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Bibliography: General

This topic contains a bibliography in the format expected by the refnotes plugin. It contains my list of references about general matters stretching back to my PhD studies in the early 1990s. It also includes contributions by some of my graduate students. This is not every reference I have. Many more recent references are stored in [my zotero account](#).

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A

Note name	Note text
AA10	Murugan Anandarajan and Asokan Anandarajan 2010. e-Research Collaboration: Theory, Techniques and Challenges
AA97	S.A. Ambrose and C.H. Amon. 1997. Systematic design of a first-year mechanical engineering course at Carnegie Mellon University . <i>J. Eng. Edu.</i> , 86:173-181. (link)
Abd91	Jamal A. Abdalla. 1991. Version Management Needs for Structural Engineering Design . <i>Engineering with Computers</i> , 7(3):131-143.
ABL99	S. Austin, A. Baldwin, B. Li and P. Waskett. 1999. Analytical design planning technique: a model of the detailed building design process . <i>Design Studies</i> , 20:279-296.
AC99	C.J. Atman and J.R. Chimka. 1999. A comparison of freshman and senior engineering design processes . <i>Design Studies</i> , 20:131-152.
ACC00	A. Aoussat, H. Christofol and M. Le Coq 2000. The new product design - a transverse approach . <i>J. Eng. Design</i> , 11(4):399-417.
ACK96	P.S.C. Alencar, D.D. Cowan, T. Kunz and C.J.P. Lucena. 1996. A formal architectural design patterns-based approach to software understanding . In <i>Proc IEEE Fourth Workshop on Program Comprehension</i> ; IEEE Computer Society Press (link)
ACP92	Vital Aelion, Jonathan Cagan and Gary J. Powers. 1992. Input Variable Expansion: An Algorithmic Design Generation Technique . <i>Research in Engineering Design</i> , 4(2):101-113.
AD97	M.D. Al-Ansary and I.M. Deiab. 1997. Concurrent optimization of design and machining tolerances using the genetic algorithms method . <i>Intl J Machine Tools Manufacturing</i> , 37(12):1721-1731.
AD98	H. Alla and R. David. 1998. A modelling and analysis tool for discrete events systems: continuous Petri net . <i>Performance Evaluation</i> , 33:175-199.
ADL98	J.A. Aguilar, A.B. Dawdy and G.W. Law. 1998. The Aerospace Corporation's concept design center . In <i>Proc 8th Annual Intl Symp of the Intl Council on Sys Eng</i> , Vancouver (link)
AEF00	E. Arias, H. Eden, G. Fischer, A. Gorman and E. Scharff 2000. Transcending the individual human mind&mdash;creating shared understanding through collaborative design . <i>ACM Transactions on Computer-Human Interaction</i> , 7(1):84–113. (link)

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AEO11	M. Aurisicchio, N.L. Eng, J.C. Ortiz, P.N.R. Childs, and R.H. Bracewell. 2011. On the function of products. <i>Intl Conf on Engineering Design</i> . The Design Society. (link)
AFS98	J.P. Agrawal, O. Farook and C.R. Sekhar. 1998. Team building as the focus in a course on electronic project engineering.
AG95	A. Antonietti and M.A. Gioletta. 1995. Individual differences in analogical problem solving. <i>Person. Individ. Diff.</i> , 18:611-619.
AGK92	H.B. Alpert, L.D. Goldman, C.M. Kilroy and A.W. Pike 1992. 7 Gryzmish: toward an understanding of collaboration. <i>The Nursing Clinics of North America</i> , 27(1): 47-59. (link)
AIS77	C. Alexander, S. Ishikawa and M. Silverstein. 1977. A Pattern Language: Towns, Buildings, Construction. Oxford University Press, London.
AK75	G. C. Andrews and H. K. Kesavan. 1975. The Vector-Network Model: A New Approach to Vector Dynamics. <i>Mechanism and Machine Theory</i> , 10:57-75.
Akm95	V. Akman. 1995. Review of Formalizing Common Sense. <i>Artificial Intelligence</i> .
AL95	O. Akin and C. Lin. 1995. Design protocol data and novel design decisions. <i>Design Studies</i> , 16:211-236.
Alb94	L. K. Alberts. 1994. YMIR: A Sharable Ontology for the Formal Representation of Engineering Design Knowledge. In <i>Formal Design Methods for CAD</i> (ed. J. S. Gero and E. Tyugu); North Holland, Amsterdam. pages 3-32.
Ale64	C. Alexander. 1964. Notes on the synthesis of form. Harvard University Press.
Alp97	S.E. Alptekin. 1997. Development of a mechatronics design studio. In <i>ASEE Annual Conf.</i> (link)
AMH02	T. Allen, J. Moses, D. Hastings, S. Lloyd, J. Little, D. !McGowan C. Magee, F. Moavenzadeh, D. Roos and D. Whitney. 2002. ESD terms and definitions. Working Paper #2002-01. MIT, Cambridge, Mass. (link)
And99	J. Andersson. 1999. On engineering systems design: a simulation and optimization approach.
Ang93	T.A. Angelo. 1993. A Teacher's Dozen: fourteen general research-based principles for improving higher learning in our classrooms. AAHE Bulletin, April, pages 3-13. (link)
AP91	H. N. An-Nashif and G. H. Powell. 1991. An Object-Oriented Alorithm for Automated Modeling of Frame Structures: Stiffness Modeling. <i>Engineering with Computers</i> , 7(2):121-128.
AP94	A. Aamodt and E. Plaza. 1994. Case-based reasoning: foundational issues, methodological variations, and system approaches. <i>Artificial Intelligence Communications</i> , 7(1):39-59. (link)
App98	B. Appleton. 1998. Patterns for conducting process improvement. In <i>Proc. 4th Annual Conf on Pattern Languages of Program Design</i> (link)
APQ96	APQC. 1996. Benchmarking: leveraging best-practice strategies.
Arb87	F. Arbab. 1987. A Paradigm for Intelligent CAD. In <i>Intelligent CAD Systems I (Theoretical and Methodological Aspects)</i> (ed. P. J. W. {ten Hagen} and Tetsuo Tomiyama); Springer-Verlag, Berlin. pages 20-39.
Arc73	B. Archer. 1973. The Need for Design Education.
Arc81	B. Archer. 1981. A View of the Nature of Design Research. London, 30-47.
Arc95	B. Archer. 1995. The Nature of Research. <i>Co-design</i> , January. pages 6-13. (link)

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Arc99	B. Archer. 1999. Design, innovation, agility. <i>Design Studies</i> , 20:565-571.
Ard00	D.D. Ardayfio. 2000. Principles and Practices of Design Innovation. <i>Technological Forecasting and Social Change</i> , 64:155-169.
AS06	V. Rousseau, C. Aubé and A. Savoie 2006. Teamwork Behaviors: A Review and an Integration of Frameworks. <i>Small Group Research</i> , 37(5): 540-570. (link)
AS92	Leonard D. Albano and Nam P. Suh. 1992. Axiomatic Approach to Structural Design. <i>Research in Engineering Design</i> , 4(3):171-183.
Ast97	O. Astrachan. 1997. Design patterns: an essential component of CS curricula.
AW77	D.G. Appley and A.E. Winder 1977. An Evolving Definition of Collaboration and Some Implications for the World of Work. <i>The Journal of Applied Behavioral Science</i> , 13(3): 279-291. (link)
AWM03	J. A. Alexander, B. J. Weiner, M. E. Metzger, S. M. Shortell, G. J. Bazzoli, R. Hasnain-Wynia, S. Sofaer and D. A. Conrad 2003. Sustainability of Collaborative Capacity in Community Health Partnerships. <i>Medical Care Research and Review</i> , 60(4): 130S-160S. (link)
Azz95	J. Azzolini. 1995. Essential Systems Engineering: A Lifecycle Process.

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BA91	S.R. Bradley and A.M. Agogino. 1991. Design Capture and Information Management for Concurrent Design. <i>International Journal of Systems Automation: Research and Applications</i> , 1(2):117-141.
BAB97	E. Brynjolfsson, M. van Alstyne, A. Bernstein and A.A. Renshaw. 1997. Tools for teaching change management: the matrix of change and supporting software.
Bac05	R.-J. Back. 2005. Incremental software construction with refinement diagrams. Technical Report 660, Turku Centre of Computer Science. (link)
Bae95	R.M. Baecker. 1995. Readings in human-computer interaction: toward the year 2000, 2nd Ed.. <i>Morgan Kaufmann Publishers.</i>
BAP95	P. Borst, H. Akkermans, A. Pos and J. Top. 1995. The !PhysSys Ontology for Physical Systems. In <i>Working Papers of the 9th International Workshop on Qualitative Reasoning</i> , Amsterdam. pages 11-21.
Bar94	R.R. Barton. 1994. A laboratory-based course in process quality engineering.
Bar97	L. A. Barricelli. 1997. The Interaction between Morality and Society&mdash;Its Evolutionary Mechanism. <i>Journal of Human Values</i> , 3(2): 174-180. (link)
BAW04	R.H. Bracewell, S. Ahmed and K.M. Wallace. 2004. DRed and design folders, a way of capturing, storing and passing on, knowledge generated during design projects. Paper DETC2004-57165, <i>Proc ASME Design Engineering Technical Conferences</i> ; ASME, New York
BB92	D. Bahler and J. Bowen. 1992. Design rationale management in concurrent engineering. In <i>10th National Conf on Artificial Intelligence (AAAI-92), Workshop on Design Rationale Capture and Use</i> (link)
BB94	Marton E. Balazs and David C. Brown. 1994. The Use of Function, Structure, and Behavior in Design. Preprint of Workshop on Representing Function in Design, AID '94 #AIRG-MEB94-AID. Artificial Intelligence Research Group, Computer Science Department, Worcester Polytechnic Institute.

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BB99	P. Battigalli and G. Bonanno. 1999. Synchronic information, knowledge and common knowledge in extensive games. <i>Research in Economics</i> , 53:77-99.
BBC89	Keith Baker, Linden Ball, Phil Culverhouse, Ian Dennis, Jonathan Evans, Peter Jagodzinski, Pat Pearce, Dean Scothern and Gill Venner. 1989. A Psychologically Based Intelligent Design Aid. In <i>Intelligent CAD Systems III: Practical Experience and Evaluation</i> (ed. P. J. W. {ten Hagen} and P. J. Veerkamp); The European Association for Computer Graphics, Amsterdam. pages 21-39.
BBC93	R.H. Bracewell, D.A. Bradley, R.V. Chaplin, P.M. Langdon and J.E. Sharpe. 1993. Schemebuilder, A Design Aid for the Conceptual Stages of Product Design. In <i>Proceedings of ICED 93, 9th International Conference on Engineering Design</i> (ed. N. F. M. Roozenburg); Dr. Vladimir Hubka. pages 1311-1318.
BBF01	S.D. Bergen, S.M. Bolton and J.L. Fridley. 2001. Design principles for ecological engineering. <i>Ecological Engineering</i> , 18:201-210.
BC00	M. Binnard and M.R. Cutkosky. 2000. Design by composition for layered manufacturing. <i>J. Mech. Des.</i> , 122:91-101.
BC06	V. Braun and V. Clarke 2006. Using thematic analysis in psychology. <i>Qualitative Research in Psychology</i> , 3: 77-101. (link)
BC95	R. A. Baldwin and M. J. Chung. 1995. Managing Engineering Data for Complex Products. <i>Research in Engineering Design</i> , 7:215-231.
BCE00	L.C. Brinson, P.J. Cornwell, R.S. Engel and D.J. Inman. 2000. Integrating software into the mechanical systems curriculum.
BCP96	R.J.A. Buhr, R.S. Casselman and T.W. Pearce. 1996. Design patterns with use case maps: a case study in reengineering an object-oriented framework. #95-17. Carleton University, Department of Systems and Computer Engineering. (link)
BCV99	M. Bruce, R. Cooper and D. Vazquez. 1999. Effective design management for small businesses. <i>Design Studies</i> , 20:297-315.
Beb93	H.B. Bebb. 1993. How to Implement Concurrent Engineering. In <i>Design for Manufacturability</i> (ed. Philip J. Guichelaar); American Society of Mechanical Engineers. pages 9-12.
BEC92	Alan H. Bond, Charles M. Eastman and Scott C. Chase. 1992. Theoretical Foundations of EDM Product Design Models.
Bee96	J.M. Beeckmans. 1996. General practice engineering. <i>Intl J of Engineering Education</i> , 12(6):396-400. (link)
Bek06	Z. Bekerman. 2006. It's we, the researchers, who are in need of renovation. <i>J Research Practice</i> , 2(1), article P1. (link)
BF04	A. Belgamo and S. Fabbri 2004. Constructing Use Case Model by Using a Systematic Approach: Description of a Study. <i>Proc WER04 - Requirement Engineering Workshop</i> , pp 251-262. (link)
BF99	P. Badke-Schaub and E. Frankenberger. 1999. Analysis of design projects. <i>Design Studies</i> , 20:465-480.
BG07	Biomimicry Guild. 2007. Biomimicry Life's Principles Butterfly. <i>Biomimicry Guild</i> , 1p.
BG14	M. Bakhouya and J. Gaber. 2014. Bio-inspired approaches for engineering adaptive systems. <i>Procedia Computer Science</i> 32:862-869.
BG93	S.B. Billatos and L.J. Grigely. 1993. Functional Requirement Mapping as a Framework for Concurrent Engineering. <i>Concurrent Engineering: Research and Applications</i> , 1:171-178.

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Bij87a	Aart Bijl. 1987. An Approach to Design Theory . In <i>Design Theory for CAD</i> (ed. H Yoshikawa and E. A. Warman); North-Holland, Amsterdam. pages 3-31.
BKM99	A. Bernstein, M. Klein and T.W. Malone. 1999. The process recombinator: a tool for generating new business process ideas . In <i>Proc Intl Conf on Information Systems</i> (link)
BKS01	C.R. Bryant, M.A. Kurfman, R.B. Stone and D.A. McAdams. 2001. Creating equation handbooks to model design performance parameters . In <i>Proc 2001 Intl Conf on Engineering Design</i> . pages 501-508. (link)
BKT68	R. Beals, D.H. Krantz and A. Tversky 1968. Foundations of Multidimensional Scaling . <i>Psychological Review</i> , 75(2): 127-142.
BL00	J.A. Barton and D.M. Love 2000. Design decision chains as a basis for design analysis . <i>J. Eng. Design</i> , 11(3):283-297.
BL87	P. Bernus and Z. Letray. 1987. Intelligent Systems Interconnection: What Should Come After Open Systems Interconnection? . In <i>Intelligent CAD Systems I (Theoretical and Methodological Aspects)</i> (ed. P. J. W. {ten Hagen} and Tetsuo Tomiyama); Springer-Verlag, Berlin. pages 44-55.
Bla98	I. M. Blanco. 1998. Thinking, feeling, and being: clinical reflections on the fundamental antimony of human beings and world . <i>Routledge</i> , p347. (link)
Blo92	D. I. Blockley. 1992. Engineering from Reflective Practice . <i>Research in Engineering Design</i> , 4(1):13-22.
BM07	A. Bejan and G.W. Merx 2007. The Constructal Law in Nature and Society . <i>Constructal Theory and Social Dynamics</i> , 1-33. Springer Science + Business Media LLC, New York.
BM07a	A. Bejan and G.W. Merx 2007. Constructal Models in Social Processes . <i>Constructal Theory and Social Dynamics</i> , 35-50. Springer Science + Business Media LLC, New York.
BM99	A. Bolt and G.H. Mazur. 1999. Jurassic QFD: integrating service and product quality function deployment . In <i>Proc. 11th Symp on QFD</i> , Novi, Michigan
BMA07	A. Bejan, G.W. Merx and Cyrus Amoozegar 2007. Constructal Theory of Written Language . <i>Constructal Theory and Social Dynamics</i> , 297-314. Springer Science + Business Media LLC, New York.
BMB07	A. Bejan, G.W. Merx and Carter T. Butts 2007. Statistical Mechanical Models for Social Systems . <i>Constructal Theory and Social Dynamics</i> , 197-222. Springer Science + Business Media LLC, New York.
BMR07	A. Bejan, G.W. Merx and A.H. Reis 2007. Natural Flow Patterns and Structured People Dynamics: A Constructal View . <i>Constructal Theory and Social Dynamics</i> , 71-83. Springer Science + Business Media LLC, New York.
BMS07	A. Bejan, G.W. Merx and John E. R. Staddon 2007. Is Animal Learning Optimal? <i>Constructal Theory and Social Dynamics</i> , 161 - 168. Springer Science + Business Media LLC, New York.
BMT07	A. Bejan, G.W. Merx and E.A. Tiryakian 2007. Sociological Theory, Constructal Theory, and Globalization . <i>Constructal Theory and Social Dynamics</i> , 147-160. Springer Science + Business Media LLC, New York.
BN94	P. Bernus and L. Nemes. 1994. A Framework to Define a Generic Enterprise Reference Architecture and Methodology .
BO90	James Bowen and Peter O'Grady. 1990. A Technology for Building Life-Cycle Design Advisers . In <i>Proceedings of the 1990 ASME Computers in Engineering Conference</i> (ed. G. L. Kinzel and S. M. Rohde); American Society of Mechanical Engineers. pages 1-7.

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Bos97	J. Bosch. 1997. Specifying frameworks and design patterns as architectural fragments. University of Karlskrona/Ronneby. (link)
Bos98	J. Bosch. 1998. Design patterns as language constructs. <i>Journal of Object-Oriented Programming</i> , 11(2):18-32. (link)
BP90	K.F. Bohringer and F.N. Paulisch. 1990. Using constraints to achieve stability in automatic graph layout algorithms. In <i>Proc ACM SIGCHI Conf on Human Factors in Computing Systems</i> , Seattle, WA
BP99	A. Bright and J.R. Phillips. 1999. The Harvey Mudd engineering clinic past, present, future. <i>Journal of Engineering Education</i> , 88:189-194. (link)
BR91	C. Brönmark and S. D. Rundle 1991. Interactions between Freshwater Snails and Tadpoles: Competition and Facilitation. <i>Ecology</i> , 87(1): 8-18. (link)
BR92	Alan H. Bond and Richard J. Ricci. 1992. Cooperation in Aircraft Design. <i>Research in Engineering Design</i> , 4(2):115-130.
Bra00	M. Brady. 2000. Use of entity/relationship diagramming as a technique in the grounded theory approach to social science research. In <i>Annual Conf of Irish Academy of Management, Dublin Inst. of Tech.</i> (link)
Bra01	M. A. Brandt. 2001. How to Make Conflict Work for You. <i>Nursing Management</i> , 32(11): 32-35.
Bra02	T.K. Brady. 2002. Utilization of dependency structure matrix analysis to assess implementation of NASA's complex technical projects. Master's Thesis; System Design and Management Program, Massachusetts Institute of Technology. (link)
Bra05a	J. Brannen. 2005. Mixing Methods: The Entry of Qualitative and Quantitative Approaches into the Research Process. <i>International Journal of Social Research Methodology</i> , 8(3): 173–184. (link)
Bra90	Ellen Brandt. 1990. A Vision for Shared Manufacturing. <i>Mechanical Engineering</i> pages 52-55.
BRA97	E. Brynjolfsson, A.A. Renshaw and M. van Alstyne. 1997. The matrix of change: a tool for business process reengineering.
Bro01	T.R. Browning. 2001. Applying the design structure matrix to system decomposition and integration problems: a review and new directions. <i>IEEE Trans. Eng. Mgmt.</i> , 48(3):292-306.
Bro02	S. Brown. 2002. Intellectual property (IP) strategies for achieve sustainable competitive advantage.
Bro94	David C. Brown. 1994. Types of Theories and their Roles. Preprint of Workshop on Representing Function in Design, AID '94 #AIRG-DCB94-ThryAid. Artificial Intelligence Research Group, Computer Science Department, Worcester Polytechnic Institute.
Bro94a	David C. Brown. 1994. Rationale in Design. Preprint of Workshop on Representing Function in Design, AID '94 #AIRG-DCB94-DRAID. Artificial Intelligence Research Group, Computer Science Department, Worcester Polytechnic Institute.
Bro95	David C. Brown. 1995. A Design Theory (Position paper to be presented at the NSF Strategic Planning Workshop for Design Engineering, 22-24 May, Phoenix).
Bro98	T.R. Browning. 1998. Use of dependency structure matrices for product development cycle time reduction. In <i>Proc 5th ISPE Intl Conf on Concurrent Engineering: Research and Applications</i> (link)
Bru98	C.M. Brugha. 1998. Theory and Methodology: The structure of qualitative decision-making. <i>European Journal of Operational Research</i> , 104(1): 46-62.

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BS99	G.C. Bowker and S.L. Star 1999. Sorting things out: classification and its consequences. MIT Press, London.
BSA01	K. Bozdogan, J. Sussman, T. Allen and W. Harris. 2001. Initial top-level characterization of the air force sustainment system. Working Paper #2001-03. MIT, Cambridge, Mass. (link)
BSC04	G. Briggs, D.A. Shamma, A.J. Canas, R. Carff, J. Scargle and J. Novak 2004. Concept Maps Applied to Mars Exploration Public Outreach. <i>Proc. First Intl Conf on Concept Mapping</i> , Pamplona, Spain. (link)
BT99	H.A. Bashir and V. Thomson. 1999. Metrics for design projects: a review. <i>Design Studies</i> , 20:263-277.
Buc01	R.O. Buchal. 2001. Incorporating solid modeling and team-based design into freshman engineering graphics. <i>The Engineering Design Graphics Journal</i> , 65(1) (link)
Buc03	L.L. Bucciarelli. 2003. Designing and learning: a disjunction in contexts. <i>Design Studies</i> , 24:295-311.
Buc08	R.O. Buchal. 2008. Collaboration tool requirements. p9.
Buc99	L.L. Bucciarelli. 1999. Design delta design: seeing / seeing as. In <i>Design Thinking Research Symposium</i> , MIT (link)
Bud95	D. Budgen. 1995. Design models from software design methods. <i>Design Studies</i> , 16:293-325.
BW94	D.W. Bustard and A.C. Winstanley. 1994. Making Changes to Formal Specifications: Requirements and an Example. <i>IEEE Transactions on Software Engineering</i> , 20(8):562-568.
BWB92	B. A. Brandin, W. M. Wonham and B. Benhabib. 1992. Manufacturing Cell Supervisory Control - A Timed Discrete Event System. In <i>International Conference on Robotics and Automation</i> ; IEEE. pages 531-536.
BWY91	David C. Brown, Manjula B. Waldron and Hiroyuki Yoshikawa (eds). 1991. Proceedings of the IFIP WG 5.2 Working Conference on Intelligent Computer Aided Design. <i>IFIP Proceedings</i> . North-Holland, Amsterdam.
Byn01	Matt Bynum. 2001. the author talks about how some people compare television to an altering drug that can easily lead to isolation and depression. (link)
BZ90	Theodore Bardasz and Ibrahim Zeid. 1990. Proposing Analogical Problem Solving to Mechanical Design. In <i>Proceedings of the 1990 ASME Computers in Engineering Conference</i> (ed. G. L. Kinzel and S. M. Rohde); American Society of Mechanical Engineers. pages 181-186.

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CA90	R. H. Crawford and D. C. Anderson. 1990. A Computer Representation for Modeling Feedback in Design Processes. In <i>Proceedings of the 1990 ASME Computers in Engineering Conference</i> (ed. G. L. Kinzel and S. M. Rohde); American Society of Mechanical Engineers. pages 165-170.
CA91	R. H. Crawford and D. C. Anderson. 1991. Modular Environment for Integrating Preliminary Mechanical Design Software. <i>International Journal of Systems Automation: Research and Applications</i> , 1(2):183-202.

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Cag96	G. Cagdas. 1996. A shape grammar model for designing row-houses. <i>Design Studies</i> , 17:35-41.
Cal06	J. S. Callender. 2006. The Role of Aesthetic Judgments in Psychotherapy. <i>Philosophy, Psychiatry, & Psychology</i> , 12(4): 283-295. The John Hopkins University Press.
CAM99	S. Castano, V. De Antonellis and M. Melchiori. 1999. A methodology and tool environment for process analysis and reengineering. <i>Data and Knowledge Engineering</i> , 31:253-278.
Can98	L. Candy. 1998. Representations of strategic knowledge in design. <i>Knowledge-Based Systems</i> , 11:379-390.
Car02	R.W. Carpick. 2002. Who wants to be an engineer? or, Better teaching through game shows. In <i>Proc ASEE Annual Conf, Session 1630</i>
Cas07	H.P. Casakin. 2007. Metaphors in Design Problem Solving: Implications for Creativity. <i>International Journal of Design</i> , 1(2): 21-33. (link)
CB02	W. D. Crano and M. B. Brewer 2002. Principles and methods of social research. 2nd ed. <i>Routledge</i> , p416. (link)
CB09	A. Chakrabarti and L. T. M. Blessing 2009. DRM, a design research methodology. <i>Lavoisier</i> . (link)
CB88	J. Conklin and M. L. Begeman. 1988. gIBIS: A Hypertext tool for Exploratory Policy Discussion. In <i>Proceedings of ACM CSCW '88 Conference on Computer-Supported Cooperative Work</i> ; ACM. pages 140-152.
CB96	A. Chakrabarti and L. Blessing. 1996. Representing functionality in design. <i>Artificial Intelligence for Engineering Design, Analysis and Manufacturing</i> pages 251-253.
CBF93	R.A. Crabtree, N.K. Baid and M.S. Fox. 1993. An Analysis of Coordination Problems in Design Engineering. In <i>Proceedings of ICED 93, 9th International Conference on Engineering Design</i> (ed. N. F. M. Roozenburg); Heurista, Zurich, Switzerland. pages 285-292.
CBW92	William Al. Chapman, A. Terry Bahill and A. Wayne Wymore. 1992. Engineering Modeling and Design. CRC Press, Boca Raton.
CC03	J.W. Coffey and A.J. Canas. 2003. LEO: a learning environment organizer to support computer-mediated instruction. <i>Journal for Educational Technology Systems</i> , 31(3):275-290. (link)
CC04	Barbara Czarniawska-Joerges and Barbara Czarniawska 2004. Narratives in social science research. 157p, Sage Publications.
CC95	N. Cross and A.C. Cross. 1995. Observations of teamwork and social processes in design. <i>Design Studies</i> , 16:143-170.
CC97	S. Campbell and C.L. Colbeck. 1997. Teaching and assessing engineering design: a review of the research.
CC98	Barbara Czarniawska-Joerges and Barbara Czarniawska 1998. A narrative approach to organization studies. 87p, Sage Publications. (link)
CCB93	J.C. Conwell, G.D. Catalano and J.E. Beard. 1993. A case study in creative problem solving in engineering design. <i>J. Eng. Ed.</i> , 82(4):227-231. (link)
CCD03	D.W. Carr, S.P. Clemence, B. Davidson, A.A. Goodrum, C. Grey, S. Masiclat and W. Padgett 2003. Proposal for a collaborative center for design innovation at Syracuse University. <i>unpublished</i>
CCK00	M.I. Campbell, J. Cagan and K. Kotovsky. 2000. Agent-based synthesis of electromechanical design configurations. <i>J. Mech. Des.</i> , 122:61-69.

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CCL98	K. Chen, S. Chen, L. Lin and S.W. Changchien. 1998. An integrated graphical user interface (GUI) for concurrent engineering of mechanical parts . <i>Computer Integrated Manufacturing Systems</i> , 11:91-112.
CCP95	F. Casati, S. Ceri, B. Pernici and G. Pozzi. 1995. Conceptual modeling of workflows . In <i>Proc 14th Intl Object-Oriented and Entity-Relationship Modelling Conf, ODER'95</i> (ed. M.P. Papazoglou). pages 341-354. (link)
CD88	J. J. Cunningham and J. R. Dixon. 1988. Designing With Features: The Origin of Features . MDA Technical Report #3-88. Mechanical Design and Automation Laboratory, University of Massachusetts at Amherst, Amhurst, MA.
CD91	H. Cook and R. ' [De vor] . ' 1991. On competitive manufacturing enterprises I: The S-model and the theory of quality . <i>Manufacturing Review</i> , 4(2):96-105.
CDR92	N. Cross, K. Dorst and N. Roozenburg (eds). 1992. Research in Design Thinking . <i>Proc. of a Workshop meeting held at the Faculty of Industrial Design Engineering, Delft University of Technology</i> . Delft University Press, Netherlands.
CEA99	CEAB. 1999. Accreditation Criteria and Procedures . #CEAB-99. Canadian Engineering Accreditation Board, Ottawa, ON. (link)
CFC99	W.L. Cooley, P. Famouri, H.D. Collier and B. Inman. 1999. Competitions as a vehicle for teaching engineering design .
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CFM99	F. Casati, M. Fugini and I. Mirabel. 1999. An environment for designing exceptions in workflows . <i>Information Systems</i> , 24(3):255-273.
CG04	B. Crowell and P. Gregson 2004. The importance of mental representations in design engineering . Proc. CDEN Conf (CD)
CG88a	K.W. Chase and W.H. Greenwood. 1988. Design issues in mechanical tolerance analysis . <i>Manufacturing Review</i> , 1(1):50-59.
CG95	P.K. Chawdhry and A. Garg. 1995. [Design web]-: Towards a Distributed Design Research Information Server . In <i>Proc. 11th ISPE/IFAC/IEE Intl Conf on CAD/CAM, Robotics and Factories of the Future</i> (ed. H. Bera), Pereira, Columbia
CG98	P.W.H. Chung and R. Goodwin. 1998. An integrated approach to representing and accessing design rationale . <i>Engineering Applications of Artificial Intelligence</i> , 11:149-159.
CG99	H. Casakin and G. Goldschmidt. 1999. Expertise and the use of visual analogy: implications for design education . <i>Design Studies</i> , 20:153-175.
CGL92	Giuseppe Castagna, Giorgio Ghelli and Giuseppe Longo. 1992. A Calculus for Overloading Functions with Subtyping . In <i>ACM Conference on LISP and Functional Programming</i> ; ACM Press, San Francisco
CGS99	R.B. Cole, B. Gallois, K. Sheppard and C.V. Schaefer. 1999. Redesigning the first-year engineering curriculum .
CH00	P.J. Clarkson and J.R. Hamilton. 2000. Signposting, a parameter-driven task-based model of the design process . <i>Research in Engineering Design</i> , 12:18-38.
Cha00	C.S. Chan. 2000. Can style be measured? . <i>Design Studies</i> , 21:277-291.
Cha05	J. Chapman. 2005. Emotionally durable design. Objects, experiences, and empathy . London: Earthscan.
Cha76	A. Chapanis. 1976. Engineering psychology . Dunnette, M. D. (ed.), <i>Handbook of industrial and organizational psychology</i> . Rand McNally, Chicago

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Cha93	Amaresh Chakrabarti. 1993. Towards a Theory for Functional Reasoning in Design . In <i>Proceedings of ICED 93, 9th International Conference on Engineering Design</i> (ed. N. F. M. Roozenburg); Heurista, Zurich, Switzerland. pages 1-8.
CHB06	A.J. Canas, G. Hill, L. Bunch, R. Carff, T. Eskridge and C. Perez 2006. KEA: a knowledge exchange architecture based on web services, concept maps, and !CmapTools . <i>Proc 2nd Intl Conf on Concept Mapping</i> . San Jose, Costa Rica. (link)
Che94	H. Chen. 1994. Collaborative Systems: Solving the Vocabulary Problem . <i>IEEE Computer</i> pages 58-66.
Che96	Z. Chen. 1996. Generating suggestions through document structure mapping . <i>Decision Support Systems</i> , 16:297-314.
CHH95	K. Collier, J. Hatfield, S. Howell, D. Larson and G. Thomas. 1995. Corporate structure in the classroom: a model for teaching engineering design . In <i>Proc IEEE/ASEE Frontiers in Education Conf</i> ; IEEE/ASEE
CHH96	K. Collier, J. Hatfield, S. Howell and D. Larson. 1996. A multi-disciplinary model for teaching the engineering product realization process . In <i>Proc. IEEE Frontiers in Education Conf</i> ; IEEE
Chi90	Mark H. Chignell. 1990. A Taxonomy of User Interface Terminology . <i>ACM SIGCHI Bulletin</i> , 21(4):27-34.
Chi97	C. Chiang. 1997. Structured design with mathematical proofs . <i>Information and Software Technology</i> , 39:669-677.
CI91	Johnathan S. Colton and John L. Dascanio II. 1991. An Integrated, Intelligent Design Environment . <i>Engineering with Computers</i> , 7(1):11-22.
Cie07	Malgorzata Ciesielska. 2007. Trust Within Open Source Software Communities: Tales of the IT Field on Cooperation and Business Participation in OSS Projects . <i>Copenhagen Business School</i> , 1-30. (link)
CJ96	B. Chandrasekaran and J.R. Josephson. 1996. Representing function as effects: assigning functions to objects in context and out . In <i>Working Notes of the AAAI-96 workshop on modeling and reasoning with function</i> . pages 339-343.
CJS98	D. Calkins, J. Jorgensen, M. Safoutin and J. Heim. 1998. The integrated learning factory: an educational paradigm's first year of operation .
CK92	Francis Crick and Christof Koch. 1992. The Problem of Consciousness . <i>Scientific American</i> , 267(3):152-159.
CL02	L.-C. Chen and L. Lin. 2002. Optimization of product configuration design using functional requirements and constraints . <i>Research in Engineering Design</i> , 13:167-182.
CL96	S.W. Changchien and L. Lin. 1996. A knowledge-based design critique system for manufacture and assembly of rotational machined parts in concurrent engineering . <i>Computers in Industry</i> , 32:117-140.
Cla87	Alan L. Clark. 1987. Feature-Based Design of Mechanical Parts . In <i>Autofact 1987 Conference Proceedings</i> , Michigan, U.S.A. pages 1:69-1:76.
Cla93	D.P. Clausing. 1993. World-Class Concurrent Engineering . In <i>Concurrent Engineering: Tools and Technologies for Mechanical System Design</i> (ed. Edward J. Haug); Springer-Verlag, Berlin. NATO ASI Series F: Computer and Systems Sciences, v108. pages 3-40.
Cla97	Guy Claxton. 1997. Hare Brain, Tortoise Mind: Why Intelligence Increases when You Think Less . <i>Ecco Press</i> , p259.

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Cle93	K.J. Cleetus. 1993. Virtual Team Framework and Support Technology. In <i>Concurrent Engineering: Tools and Technologies for Mechanical System Design</i> (ed. Edward J. Haug); Springer-Verlag, Berlin. NATO ASI Series F: Computer and Systems Sciences, v108. pages 41-73.
CLW99	A.J. Canas, D.B. Leake and D.C. Wilson. 1999. Managing, mapping, and manipulating conceptual knowledge. Workshop Technical Report #WS-99-10. AAI, Menlo, CA. (link)
CM08	T. Crick and J. McCardle 2008. Identity and affect in design cognition. <i>Design Research Society Biennial Conference</i> , p1-16.
CML03	A. Capiluppi, M. Morisio and P. Lago. 2003. Evolution of understandability in OSS projects.
Cms09	CMSWorks. 2009. The Enterprise Social Software and Collaboration Report 2009. <i>CMS Watch</i> , p544. (link)
CN05	R. Coles and E. Norman 2005. An Exploration of the Role Values Plays in Design Decision-Making. <i>International Journal of Technology and Design Education</i> , 15(2): 155-171.
CO94	J.S. Colton and M.P. Ouellette. 1994. A Form Verification System for the Conceptual Design of Complex Mechanical Systems. <i>Engineering with Computers</i> , 10(1):33-44.
Con05	J. Conklin. 2005. Dialogue Mapping: building shared understanding of wicked problems. John Wiley & Sons, New York. (link)
Con92	Joseph Constance. 1992. DFMA: Learning to Design for Manufacture and Assembly. <i>Mechanical Engineering</i> , 114(5):70-74.
Coo52	C.H. Coombs. 1952. A Theory of Psychological Scaling. <i>Engineering Research Institute Bulletin, No. 34.</i> Ann Arbor: University of Michigan Press.
Cou05	Design Council. 2005. The business of design. Report. UK Design Council. (link)
Cow93	Ross L. Cowie. 1993. A Modelling Framework for Designing. Master's Thesis; Department of Mechanical and Aerospace Engineering, Ottawa-Carleton Institute for Mechanical and Aerospace Engineering, and the School of Industrial Design.
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CP99	Q. Cao and J.-P. Protzen. 1999. Managing design information: issue-based information systems and fuzzy reasoning system. <i>Design Studies</i> , 20:343-362.
CR97	D.S. Cottrell and S.J. Ressler. 1997. Integrating design projects into an introductory course in mechanics of materials.
CRD89	CRDU. 1989. How Do You Design? – The Response.
Cre03	Elizabeth G. Creamer. 2003. Exploring the Link between Inquiry Paradigm and the Process of Collaboration. <i>The Review of Higher Education</i> , 26(4):447-465. Association for the Study of Higher Education, Virginia, USA.
Cro93	N. Cross. 1993. A History of Design Methodology. In <i>Design Methodology and Relationships with Science</i> (ed. M. J. {de Vries} and N. Cross and D. P. Grant); Kluwer Academic Publishers, Dordrecht. pages 15-27.
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Cro99	N. Cross. 1999. Natural intelligence in design. <i>Design Studies</i> , 20:25-39.
CRT90	Joan M. Cherry, Geoffrey M. Rockwell and James M. Turner. 1990. Designing for Diversity: The User Interface for a Hypermedia Information System on a University Campus. <i>Behavior and Information Technology</i> pages 1-25.
CS01	B. Chandrasekaran and R. Stone. 2001. An inductive approach to product design based on modular product architecture.
CS14	J. Chan and C. Schunn. 2014. The Impact of Analogies on Creative Concept Generation: Lessons From an In Vivo Study in Engineering Design. <i>Cognitive Science</i> . DOI: 10.1111/cogs.12127. (link)
CT91	M. R. Cutkosky and J. M. Tenenbaum. 1991. Providing Computational Support for Concurrent Engineering. <i>International Journal of Systems Automation: Research and Applications</i> , 1(3):239-261.
CW85	Luca Cardelli and Peter Wegner. 1985. On Understanding Types, Data Abstraction, and Polymorphism. <i>ACM Computing Surveys</i> , 17(4):471-522.
CW97	Y. Chen and C. Wei. 1997. Computer-aided feature-based design for net shape manufacturing. <i>Computer Integrated Manufacturing Systems</i> , 10(2):147-164.
CW98	C.T. Charlton and K.M. Wallace 1998. Concept induction from structured design fragments. <i>Proc. Artificial Intelligence in Design Conference (AID 98) - Machine Learning in Design</i> , Workshop 4 Notes, Lisbon. (link)
CWC01	M.K. Chamberlain, C.B. Williams, F.S. Cowan and F. Mistree 2001. Orchestrating learning in a graduate engineering design course, Proc ASME DETC DTM-2037. (link)
CXM03	L. Chen, F. Xi and A. Macwan. 2003. Optimal module selection for designing reconfigurable machining systems.
Cza92	Barbara Czarniawska-Joerges. 1992. Exploring complex organizations Sage Publications, 256p. (link)

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Dav95	S.P. Davies. 1995. Effects of concurrent verbalization on design problem solving. <i>Design Studies</i> , 16:102-116.
Dav99	E.J. Davidson. 1999. Joint application design (JAD) in practice. <i>J. of Systems and Software</i> , 45:215-223.
DBB96	P. Dillenbourg, M. Baker, A. Blaye and C. O'Malley 1996. Learning in Humans and Machine: Towards an interdisciplinary learning science. <i>Elsevier</i> , 189- 211. (link)
DBT00	Y.M. Deng, G.A. Britton and S.B. Tor. 2000. Constraint-based functional design verification for conceptual design. <i>Computer-Aided Design</i> , 32:889-899.
DC01	K. Dorst and N. Cross. 2001. Creativity in the design process: co-evolution of problem-solution. <i>Design Studies</i> , 22(5):425-437.

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DCS87	J. R. Dixon, J. J. Cunningham and M. K. Simmons. 1987. Research in Designing with Features . MDA Technical Report #4-87. Mechanical Design and Automation Laboratory, University of Massachusetts at Amherst, Amhurst, MA.
DCT97	D.C. Davis, R.W. Crain, M.S. Trevisan, D.E. Calkins and K.L. Gentili. 1997. Categories and levels for defining engineering design program outcomes .
DD88	M. R. Duffey and J. R. Dixon. 1988. A Program of Research in Mechanical Engineering: Computer-Based Models and Representations . MDA Technical Report #11-88. Mechanical Design and Automation Laboratory, University of Massachusetts at Amherst, Amhurst, MA.
DD88a	M. R. Duffey and J. R. Dixon. 1988. The Next Generation of Computer-Aided Design for Manufacturing Systems . MDA Technical Report #10-88. Mechanical Design and Automation Laboratory, University of Massachusetts at Amherst, Amhurst, MA.
DD90	J. R. Dixon and M. R. Duffey. 1990. The Neglect of Engineering Design . <i>California Management Review</i> , 32(2):1-19.
DD92	Antonio R. Damasio and Hanna Damasio. 1992. Brain and Language . <i>Scientific American</i> , 267(3):89-95.
DD95	K. Dorst and J. Dijkhuis. 1995. Comparing paradigms for describing design activity . <i>Design Studies</i> , 16:261-274.
DDI88	J. R. Dixon, M. R. Duffey, R. K. Irani, K. L. Meunier and M. F. Orelup. 1988. A Proposed Taxonomy of Mechanical Design Problems . In <i>Proceedings of the 1988 ASME Computers in Engineering Conference</i> (ed. V. A. Tipnis and E. M. Patton); American Society of Mechanical Engineers. pages 41-46.
DDL01	P.G. Dominick, J.T. Demel, W.M. Lawbaugh, R.J. Freuler, G.L. Kinzel and E. Fromm (eds). 2001. Tools and Tactics of Design . Wiley and Sons, New York.
DDO97	S. D. Derry, L.A. DuRussel and A.M. O'Donnell 1997. Individual and Distributed Cognitions in Interdisciplinary Teamwork: A Developing Case Study and Emerging Theory . <i>Research Monograph No. 7</i> . (link)
DDS78	D. van Dalen, H. C. Doets and H. de Swart. 1978. Sets: Naive, Axiomatic and Applied . Pergamon Press, Oxford.
Dea89	E.B. Dean. 1989. Parametric cost estimating: a design function . In <i>Trans. 33rd Annual Meeting of the American Assoc of Cost Engineers</i> , San Diego
Dea92	E.B. Dean. 1992. The many dimensions of program management . In <i>Proc. 14th Conf of the Intl Soc of Parametric Analysts</i> , Munich (link)
Den99	L. Denise. 1999. Collaboration vs. C-Three (Cooperation, Coordination, and Communication) . <i>Innovation</i> , p1-6. (link)
Des00	D. Desautel. 2000. Design and implementation of a mechanical and aerospace program assessment model .
DES91	Committee on Engineering Design, Methodology, Manufacturing Studies Board, Commission on Engineering, Technical Systems, and National Research Council. 1991. Improving Engineering Design . National Academy Press, USA.
Deu49	M. Deutsch. 1949. A Theory of Co-operation and Competition . <i>Human Relations</i> , 2(2):129-152. (link)
DGI89	J. R. Dixon, M. Guenette, R. K. Irani, E. H. Nielsen, M. F. Orelup and R. V. Welch. 1989. Computer-Based Models of Design Processes: The Evaluation of Designs for Redesign . MDA Technical Report #3-89. Mechanical Design and Automation Laboratory, University of Massachusetts at Amherst, Amhurst, MA.

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DGR97	M. Duell, J. Goodsen and L. Rising 1997. Non-software examples of software design patterns. <i>Conference on Object Oriented Programming Systems Languages and Applications</i> , 120-124. (link)
DGS05	S. J. Derry, M. A. Gernsbacher and C. D. Schunn 2005. Interdisciplinary collaboration: an emerging cognitive science. <i>Routledge</i> , p362. (link)
DHM91	S. Dessloch, C. Hubel, N.M. Mattos and B. Sutter. 1991. Handling Functional Constraints of Technical Modeling Systems in a KBMS Environment. <i>International Journal of Systems Automation: Research and Applications</i> , 1(4):347-367.
DHS98	R. Devon, W. Hager, D. Sathianathan, D. Saintive, M. Nowe and J. Lesenne. 1998. Alliance by design: international student design teams.
Die06	J. Diethelm. 2006. Designing in an intentional field. Accepted to Wonderground 2006 but apparently withdrawn (?). (link)
Die83	G. Dieter. 1983. Engineering Design. !McGraw-Hill, New York.
Dig98	T. Digre. 1998. Business Object Component Architecture. <i>IEEE Software</i> , 15(5):60-69.
Dim93	Andrew D. Dimarogonas. 1993. On the Axiomatic Foundation of Design. In <i>Proceedings of Design Theory and Methodology - DTM 93</i> (ed. T. K. Hight and L. A. Stauffer); ASME, New York. pages 253-258.
Dix88	John R. Dixon. 1988. Designing with Features: Building Manufacturing Knowledge into More Intelligent CAD Systems. MDA Technical Report #2-88. Mechanical Design and Automation Laboratory, University of Massachusetts at Amherst, Amhurst, MA.
Dix88a	John R. Dixon. 1988. On Research Methodology Towards a Scientific Theory of Engineering Design. MDA Technical Report #8-88. Mechanical Design and Automation Laboratory, University of Massachusetts at Amherst, Amhurst, MA.
Dix91	John R. Dixon. 1991. The State of Education. <i>Mechanical Engineering</i> pages 64-67.
Dix91a	John R. Dixon. 1991. New Goals for Engineering Education. <i>Mechanical Engineering</i> pages 56-62.
Dix92	John R. Dixon. 1992. Why We Need Doctoral Programs in Design. <i>Mechanical Engineering</i> pages 75-79.
DJN86	J. R. Dixon, C. D. Jones, E. H. Nielson, S. L. Luby and E. C. Libardi. 1986. Knowledge Representation in Design. MDA Technical Report #1-86. Mechanical Design and Automation Laboratory, University of Massachusetts at Amherst, Amhurst, MA.
DL00	C. L. Dym and P. Little. 2000. Engineering Design: A Project-Based Introduction. Wiley and Sons, New York.
DL91	C.L. Dym and Raymond E. Levitt. 1991. Toward the Integration of Knowledge for Engineering Modeling and Computation. <i>Engineering with Computers</i> , 7(4):209-224.
DLL87	J. R. Dixon, E. C. Libardi, S. C. Luby, M. Vaghul and M. K. Simmons. 1987. Expert Systems for Mechanical Design: Examples of Symbolic Representations of Design Geometries. MDA Technical Report #1-87. Mechanical Design and Automation Laboratory, University of Massachusetts at Amherst, Amhurst, MA.
DLM91	Thien-My Dao, Zhaoheng Liu and Mounir Massoud. 1991. Software for Probabilistic-Based Design Procedures. In <i>Teaching CAD to Engineers</i> (ed. S. Bedi); University of Waterloo, Waterloo, Ont. pages 58-73.
DLN89	J. R. Dixon, E. C. Libardi and E. H. Nielsen. 1989. Unresolved Research Issues in Development of Design-With-Features Systems. MDA Technical Report #2-89. Mechanical Design and Automation Laboratory, University of Massachusetts at Amherst, Amhurst, MA.

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DM02	D.W. Dahl and P. Moreau. 2002. The influence and value of analogical thinking during new product ideation. <i>J Marketing Research</i> , 39(4):47-60. (link)
DO97	S. D. Derry, L. A. DuRussel and A. M. O'Donnell 1997. Cognitive Processes in Interdisciplinary Groups: Problems and Possibilities. <i>Research Monograph No. 5.</i> (link)
Dom98	J. Domingue. 1998. Tadzebao and webOnto: discussing, browsing, and editing ontologies on the web. In <i>Proc. 11th Knowledge Acquisition for Knowledge-Based Systems Workshop</i> (link)
Dor95	K. Dorst. 1995. Editorial: Analysing design activity: new directions in protocol analysis. <i>Design Studies</i> , 16:139-142.
Dor96	R.C. Dorf (ed). 1996. The Engineering Handbook. CRC Press and IEEE Press.
Dor96a	D. Dorner. 1996. The logic of failure. Metropolitan Books, New York.
Dor99	D. Dorner. 1999. Approaching design thinking research. <i>Design Studies</i> , 20:407-415.
Doy04	L. H. Doyle. 2004. Leadership for Community Building: Changing How We Think and Act. <i>The Clearing House</i> , 77(5): 196-201.
DP95	J.R. Dixon and C. Poli. 1995. Engineering Design and Design for Manufacturing. Field Stone Publishers.
DSD95	C.L. Dym, M.D. Summers, C.T. Demel and C.S. Wong. 1995. DEEP: A knowledge-based (expert) system for electric plat design. <i>Computing Systems in Engineering</i> , 6(6):497-509.
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DTB00	Y.M. Deng, S.B. Tor and G.A. Britton 2000. A dual-stage functional modelling framework with multi-level design knowledge for conceptual mechanical design. <i>J. Eng. Design</i> , 11(4):347-375, 2000.
DTF00	N.C. deJong, K.W. Van Treuren, D.R. Farris and C.C Fry. 2000. Using design to teach freshman engineering.
DTM97	A.J. Dutson, R.H. Todd, S.P. Magleby and C.D. Sorensen. 1997. A review of literature on teaching engineering design through project-oriented capstone courses. <i>J. Eng. Ed.</i> pages 17-28. (link)
DU87	Thomas G. Dietterich and David G. Ullman. 1987. FORLOG: A Logic-based Architecture for Design. In <i>Expert Systems in Computer-Aided Design</i> (ed. John S. Gero); North-Holland, Amsterdam. pages 1-17.
DU92	E.B. Dean and R. Unal 1992. Elements of designing for cost , presented at <i>The AIAA 1992 Aerospace Design Conference</i> , AIAA-92-1057.
Duf02	A.H.B. Duffy. 2002. Designing Design. In <i>Proc 3rd Intl Seminar and Workshop on Engineering Design in Integrated Product Development</i> , Zielona Gora - Lagow, Poland
Dum04	J.C. Dumestre. 2004. Using CmapTools software to assist in performing job task analysis. <i>Proc 1st Intl Conf on Concept Mapping</i> . Pamplona, Spain. (link)
DV02	A. van Deursen and E. Visser 2002. The reengineering wiki. <i>Proc 6th European Conf on Software Maintenance and Reengineering</i> , Paper 1534-5351/02, IEEE. (link)
DW02	Q. Dong and D.E. Whitney. 2002. Designing a requirement driven product development process. Working Paper #2002-03. MIT, Cambridge, Mass. (link)

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DW90	Xin Dong and Micheal Wozny. 1990. Managing Feature Type Dependency in a Feature-Based Modeling System . In <i>Proceedings of the 1990 ASME Computers in Engineering Conference</i> (ed. G. L. Kinzel and S. M. Rohde); American Society of Mechanical Engineers. pages 125-130.
Dym02	C.L. Dym. 2002. Rank ordering engineering designs: pairwise comparison charts and Borda counts . <i>Research in Engineering Design</i> , 13:236-242. (link)
Dym94	C.L. Dym (eds). 1994. Engineering design: a synthesis of views . Cambridge University Press, Cambridge.
Dym94a	C.L. Dym. 1994. Teaching design to freshmen: style and content . <i>J. Eng. Ed.</i> pages 1-8. (link)
Dym95	C.L. Dym. 1995. Peeling the Design Onion . <i>IEEE Spectrum</i> pages 10-12.
Dym99	C.L. Dym. 1999. Learning engineering: design, languages, and experiences . <i>J. Eng. Ed.</i> , 88(2):145-148. (link)
Dyr99	M.A. Dyrud. 1999. Getting a grip on groups .
Dys11	J. Dyson. 2011. No Innovator's Dilemma Here: In Praise of Failure . Wired Online, 8 April. Accessed 16 June 2018.

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EAC01	R.J. Eagan, B.E. Allen, C.D. Caudill, R.A. Howard, J.S. Hunter, C.L. Magee, S. Ostrach and W.B. Rouse 2001. Approaches to improve engineering design . Report NI000469, National Academy of Sciences, USA. (link)
Eas92	Charles M. Eastman. 1992. A Data Model Analysis of Modularity and Extensibility in Building Databases . <i>Building and Environment</i> , 27(2):135-148.
EBC91	Charles M. Eastman, Alan H. Bond and Scott C. Chase. 1991. A Formal Approach for Product Model Information . <i>Research in Engineering Design</i> , 2:65-80.
EBC91a	C. M. Eastman, A. H. Bond and S. C. Chase. 1991. A Data Model for Design Databases . In <i>Proceedings of Artificial Intelligence in Design '91</i> (ed. J. S. Gero); Butterworth Heinemann. pages 339-365.
EBC91b	Charles M. Eastman, Alan H. Bond and Scott C. Chase. 1991. Application and Evaluation of an Engineering Data Model . <i>Research in Engineering Design</i> , 2:185-207.
Ede03	W.E. Eder. 2003. A typology of design and designing .
Ede87	W. Ernst Eder. 1987. Structures as Models in the Design and Development of a System . In <i>Design Theory for CAD</i> (ed. H Yoshikawa and E. A. Warman); North-Holland, Amsterdam. pages 33-49.
Eek00	J. Eekels. 2000. On the fundamentals of engineering design science: The geography of engineering design science. Part 1 . <i>J. Eng. Design</i> , 11(4):377-397, 2000.
EF94	Charles M. Eastman and Nirva Fereshetian. 1994. Information Models for Use in Product Design: a Comparison . <i>Computer-Aided Design</i> , 26(7):551-572.
EGH99	A.H. Eden, J.Y. Gil, Y. Hirshfeld and A. Yehudai. 1999. Towards a mathematical foundation for design patterns . #1999-004. Uppsala University, Department of Information Technology. (link)
EHS95	K.L. Edwards, W. Hills, J.E.E. Sharpe, A.W. Court and I.C. Parmee. 1995. Engineering design centres: a UK perspective . <i>Materials and Design</i> , 16(4):211-219.

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Eis99	R. Eisentraut. 1999. Styles of problem solving and their influence on the design process. <i>Design Studies</i> , 20:431-437.
EJ93	A. Ertas and J. C. Jones. 1993. The Engineering Design Process. Wiley and Sons, New York.
Elf09	S. Elfving. 2009. Important factors for project performance in collaborative product development: a survey investigating contextual settings. <i>International Journal of Product Development</i> , 8(2): 193-210.
Eng09	EngineersCanada. 2009. Canadian Engineers for Tomorrow: Trends in Engineering Enrolment and Degrees Awarded 2004 to 2008. <i>Engineers Canada</i> , Canada. (link)
Epp02	S.D. Eppinger. 2002. Managing complex system development projects.
Epp02a	S.D. Eppinger. 2002. Managing projects.
Epp02b	S.D. Eppinger. 2002. Design for environment.
Epp02c	S.D. Eppinger. 2002. Concept testing.
Epp02d	S.D. Eppinger. 2002. Robust design: experiments for better products.
Epp02e	S.D. Eppinger. 2002. Design for manufacturing.
Epp02f	S.D. Eppinger. 2002. Product development economics.
Epp02g	S.D. Eppinger. 2002. Prototyping.
Epp02h	S.D. Eppinger. 2002. Concept selection.
Epp02i	S.D. Eppinger. 2002. Concept generation.
Epp02j	S.D. Eppinger. 2002. Product specifications.
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Epp02l	S.D. Eppinger. 2002. Product planning.
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ES06	N. Eng and F.A. Salustri 2006. "Rugplot" Visualization for Preliminary Design. The Third CDEN/RCCI International Design Conference on education, innovation, and practice in engineering design. Toronto: CDEN, 1-9. (link)
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EZC93	H.A. ElMaraghy, K.F. Zhang and H. Chu. 1993. A Function-Oriented Modeler Prototype. In <i>Design for Manufacturability</i> (ed. Philip J. Guichelaar); American Society of Mechanical Engineers. pages 57-62.

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Fau91	Owen R. Fauvel. 1991. Expanded Use of Function Language in Mechanical Design. In <i>Proceedings of the Thirteenth Canadian Congress of Applied Mechanics</i> (ed. N. Popplewell and A. H. Shah); Print Management, Ltd., Winnipeg, Man. pages 692-693.
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FB98a	E. Frankenberger and P. Badke-Schaub. 1998. Modelling design processes in industry - empirical investigations of design work in practice. <i>Automation in Construction</i> , 7:139-155.
FCF93	Mark S. Fox, John Chionglo and Fadi G. Fadel. 1993. A Common-Sense Model of the Enterprise. In <i>Proceedings of the Industrial Engineering Research Conference</i> .
FCS14	T. Feng, H. Cheong, and L.H. Shu. 2014. Effects of abstraction on selecting relevant biological phenomena for biomimetic design. <i>ASME J Mech Des</i> 136(11).
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Fel98	R.M. Felder. 1998. ABET criteria 2000: an exercise in engineering problem solving. <i>Chemical Engineering Education</i> , 32(2):126-127. (link)
Fen90	G.L. Fenves. 1990. Object-Oriented Programming for Engineering Software Development. <i>Engineering with Computers</i> , 6(1):1-15.
Fer68	C.K. Ferguson. 1968. Concerning the Nature of Human Systems and the Consultant's Role. <i>The Journal of Applied Behavioral Science</i> 4(2): 179-193. (link)
Fer92	Eugene S. Ferguson. 1992. Designing the World We Live In. <i>Research in Engineering Design</i> , 4(1):3-11.
FFG94	Fadi George Fadel, Mark S. Fox and Micheal Gruninger. 1994. A Generic Enterprise Resource Ontology.
FFS90	Bruce W. R. Forde, Ricardo O. Foschi and Siegfried F. Stiemer. 1990. Object-Oriented Finite Element Analysis. <i>Computers and Structures</i> , 34(3):355-374.
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FH00	J.A. Van Fleet and M.E. Hanyak. 2000. Engineering design: the information component.
FH93	J. Fiksel and F. Hayes-Roth. 1993. Computer-aided Requirements Management. <i>Concurrent Engineering: Research and Applications</i> , 1:83-92.
Fis92	Gerald D. Fischbach. 1992. Mind and Brain. <i>Scientific American</i> , 267(3):48-57.
Fis92a	Kenneth J. Fisher. 1992. Designer's Case File: Counterbalance Mechanism Positions a Light with Surgical Precision. <i>Mechanical Engineering</i> , 114(5):76-80.
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FJL97	J.L. Fridley, J.E. Jorgensen and J.S. Lamancusa. 1997. Benchmarking: a process basis for teaching design.
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Flo01	T.J. Flores. 2001. Organizational team characteristics that enable successful projects at NASA - a framework for the future. Master's Thesis; System Design and Management Program, Massachusetts Institute of Technology. (link)
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Fos01	J.A. Foster. 2001. Understanding and improving undergraduate engineering education. Master's Thesis; University of Waterloo, Systems Design Engineering. (link)
Fou98	National Science Foundation. 1998. NSF SMETE-Lib Study. In <i>Report of the SMETE Library Workshop</i> , NSF
Fox02	J. W. Fox. 2002. Testing a Simple Rule for Dominance in Resource Competition. <i>The American Naturalist</i> , 159(3): 305-319. (link)
Fox92	Mark S. Fox. 1992. The TOVE Project: Towards a Common-Sense Model of the Enterprise.
FR85	S.J. Fennes and W.J. Rasdorf. 1985. Treatment of Engineering Design Constraints in a Relational Data Base. <i>Engineering with Computers</i> , 1(1):27-37.
Fra93	P.H. Francis. 1993. Progress Toward a Science Base for Design and Manufacturing. In <i>Design for Manufacturability</i> (ed. Philip J. Guichelaar); American Society of Mechanical Engineers. pages 1-7.
FRD98	D. Fensel, M.-C. Rousset and S. Decker. 1998. Workshop on comparing description and frame logics. <i>Data and Knowledge Engineering</i> , 25:347-352.
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Fri03	K. Friedman. 2003. Theory construction in design research: criteria, approaches, and methods. <i>Design Studies</i> 24:507-522.
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Gai99	P. Galle. 1999. Design as intentional action: a conceptual analysis. <i>Design Studies</i> , 20:57-81.
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GB04	A.K. Goel and S.R. Bhatta 2004. Use of design patterns in analogy-based design. <i>Advanced Engineering Informatics</i> 18:85-94.
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GC91	Frederic Giacometti and Tien-Chien Chang. 1991. Framework to Model Parts, Assemblies, and Tolerances. <i>International Journal of Systems Automation: Research and Applications</i> , 1(2):161-181.
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GH01	J. F. Gubrium and J. A. Holstein 2001. Handbook of interview research: context & method. SAGE, p981. (link)
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Glo08	F. Glock. 2008. Designing as Interpretation. <i>Proceedings of DRS2008, Design Research Society Biennial Conference.</i> Sheffield: DRS2008. 1-14. (link)
GM01	M. Ginsberg and T. Madhusudan. 2001. Pattern acquisition to improve organizational knowledge and workflow management. In <i>Proc Americas Conf on Info Sys</i> (link)
GM98	J.S. Gero and T. McNeill. 1998. An approach to the analysis of design protocols. <i>Design Studies</i> , 19:21-61.
GO94	T.R. Gruber and G.R. Olsen. 1994. An Ontology for Engineering Mathematics. In <i>Fourth International Conference on Principles of Knowledge Representation and Reasoning</i> (ed. Jon Doyle and Piero Torasso and Erik Sandewell); Morgan Kaufmann, Bonn, Germany
Gok95	A.A. Gokhale. 1995. Collaborative learning enhances critical thinking. <i>J Tech Education</i> , 7(1) (link)
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Gor00	J.L. Gordon. 2000. Creating knowledge maps by exploiting dependent relationships. <i>Knowledge-Based Systems</i> , 13:71-79.
GP09	R. Gordon and B.J. Poulin 2009. Cost of the NSERC Science Grant Peer Review System Exceeds the Cost of Giving Every Qualified Researcher a Baseline Grant. <i>Accountability in Research</i> 16(1):13-40. (link)
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GS95a	B.R. Gaines and M.L.G. Shaw. 1995. [Web map]-: concept mapping on the Web. In <i>Proc. 4th Intl World Wide Web Conference</i> , Boston (link)
GS95b	B.R. Gaines and M.L.G. Shaw. 1995. Collaboration through concept maps. In <i>Proc. CSCL95, Computer Supported Cooperative Learning</i> , Bloomington (link)
GS96	A. K. Goel and E. Stroulia. 1996. Functional device models and model-based diagnosis in adaptive design. <i>Artificial Intelligence for Engineering Design, Analysis and Manufacturing</i> , 10:355-370.
GS98	P.S. Goel and N. Singh. 1998. Creativity and innovation in durable product development. <i>Computers in Industrial Engineering</i> , 35:5-8.
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Haj05	R.F. Hamade, H.A. Artail and M.Y. Jaber 2005. Learning theory as applied to mechanical CAD training of novices. <i>Intl J Human-Computer Interaction</i> , 19(3):305-322. (link)
Han95	C.T. Hansen. 1995. An approach to simultaneous synthesis and optimization of composite mechanical systems. <i>J. Eng. Design</i> , 6:249-266.
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Har08	S. Harfield. 2008. On the Roots of Undiscipline. <i>Proceedings of DRS2008, Design Research Society Biennial Conference</i> , Sheffield: DRS2008. 1-9. (link)
Has05	T. Hassine. 2005. The Dynamics of NPOV Disputes. <i>Proc Wikimania 2005</i> . Accessed 28 Dec 2005. (link)
Hat01	A Hatchuel. 2001. Towards design theory and expandable rationality: the unfinished program of Herbert Simon. <i>J. Management and Governance</i> , 5(3):260-273.
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Hau93	E.J. Haug (eds). 1993. Concurrent Engineering: Tools and Technologies for Mechanical System Design. <i>NATO ASI Series F: Computer and Systems Sciences</i> , v108. Springer-Verlag, Berlin.
Hau93a	E.J. Haug. 1993. Integrated Tools and Technologies for Concurrent Engineering of Mechanical Systems. In <i>Concurrent Engineering: Tools and Technologies for Mechanical System Design</i> (ed. Edward J. Haug); Springer-Verlag, Berlin. NATO ASI Series F: Computer and Systems Sciences, v108. pages 75-110.
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HC90	D.A. Hoeltzel and W.-H. Chieng. 1990. Systems for Unified Life-Cycle Mechanical Engineering Design: Shared-Tool Architectures Versus Distributed Tool Architectures. <i>Engineering with Computers</i> , 6(4):211-222.
HCL95	S. Howell, K. Collier, D. Larson, J. Hatfield, G. Hoyle and G. Thomas. 1995. An integrated engineering design experience: freshman to senior level. In <i>Proc ASEE Annual Conf</i> ; ASEE
HCM07	B.J. Hicks, S.J. Culley and C.A. MacMahon 2007. The fundamentals of an intelligent design observatory. <i>Proc ICED Conf</i> , Paris.
HD91	Martin Hardwick and Blair R. Downie. 1991. On Object-Oriented Databases, Materialized Views, and Concurrent Engineering. In <i>Engineering Databases: An Engineering Resource</i> (ed. V. Saxena); American Society of Mechanical Engineers. pages 93-97.
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HE92	Vladimir Hubka and W. Ernst Eder. 1992. Engineering Design: General Procedural Model of Engineering Design. Edition Heurista, Zurich.
HE96	V. Hubka and W.E. Eder. 1996. Design Science. Springer, London.
Hel05	L. Heller. 2005. Wikis for scientific publishing. <i>Proc Wikimania 2005</i> . Accessed 28 Dec 2005. (link)

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HFV01	M.A. Hassanain, T.M. Froese and D.J. Vanier. 2001. Development of a maintenance management model based on IAI standards. <i>Artificial Intelligence in Engineering</i> , 15:177-193.
Hin99	J.D. Hintersteiner. 1999. A fractal representation for systems. <i>Proc Intl CIRP Design Seminar</i> . Enschede, The Netherlands. (link)
HJ93	M. Maher Hakim and James H. Garrett, Jr. 1993. A Description Logic Approach for Representing Engineering Design Standards. <i>Engineering with Computers</i> , 9(2):108-124.
HK99	J. Hahn and J. Kim. 1999. Why are some diagrams easier to work with? Effects of diagrammatic representation on the cognitive integration process of systems analysis and design. <i>ACM Trans. on Computer-Human Interaction</i> , 6(3) :181-213.
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HM90	J.Y. Halpern and Y. Moses. 1990. Knowledge and common knowledge in a distributed environment. <i>J. ACM</i> , 37(3):549-587.
HM99	M.O. Hagler and W.M. Marcy. 1999. Strategies for designing engineering courses. <i>Journal of Engineering Education</i> , 88:11-13. (link)
HMM00	Herman, G. Melancon and M. S. Marshall. 2000. Graph visualization and navigation in information visualization: a survey. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 6(1):24-43. (link)
HMW04	A. Hatchuel, P. Le Masson and B. Weil 2004. CK theory in practice: lessons from industrial applications. <i>Proc Intl Design Conf.</i> pages 245-257.
HN90	D.L. Hawla and H. Neishlos. 1990. Knowledge Acquisition for Effective and Efficient Use of Engineering Software. <i>Engineering with Computers</i> , 6(2):67-80.
Hoc09	V. T. Hocking. 2009. An Ecology for Design: From the Natural, through the Artificial, to the Un-Natural. <i>Design Principles and Practices: An International Journal</i> , 3(1): 41-54. (link)
Hoe03	N. Hoeller. 2003. Biomimicry flow structure: technical and process requirements. White paper. (link)
Hol99	W.N. Holmes. 1999. The myth of the educational computer. <i>Computer</i> pages 36-42.
Hor01	R. E. Horn. 2001. Knowledge Mapping for Complex Social Messes. <i>David and Lucile Packard Foundation</i> , p1-8. (link)
HOY87	Guidong Han, Setsuo Ohsuga and Hiroyuki Yamauchi. 1987. The Application of Knowledge Base Technology to CAD. In <i>Expert Systems in Computer-Aided Design</i> (ed. John S. Gero); North-Holland, Amsterdam. pages 25-51.
HP84	Malcolm D. Hall and Glenn Putnam. 1984. An Application of Expert Systems in FMS. In <i>Autofact 6 Conference Proceedings</i> , Michigan, USA. pages 2:26-2:37.
HR08	J.G. Hall and L. Rapanotti 2008. The discipline of Natural Design. <i>Proceedings of DRS2008, Design Research Society Biennial Conference</i> , Sheffield: DRS2008. 1-11. (link)
HRG08	T. Hildenbrand, F. Rothlauf, M. Geisser, A. Heinzl and T. Kude 2008. Approaches to Collaborative Software Development. <i>International Conference on Complex, Intelligent and Software Intensive Systems</i> , p523-528. (link)

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HS09	M. Hunter and F. A. Salustri 2009. An Exploration of the Human Element in Collaboration. <i>Proceedings of the 17th International Conference on Engineering Design</i> , p1-11.
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HS92	Christoph Hubel and Bernd Sutter. 1992. Supporting Engineering Applications by New Data Base Processing Concepts - An Experience Report. <i>Engineering with Computers</i> , 8(1):31-49.
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HSH97	M. Holmgren, M. Scheffer and M. A. Huston 1997. The Interplay of Facilitation and Competition in Plant Communities. <i>Ecology</i> , 78(7): 1966-1975. (link)
HSM01	J. Hirtz, R.B. Stone, D.A. !McAdams, S. Szykman and K.L. Wood. 2001. Evolving a functional basis for engineering design.
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HT93	M.R. Henderson and L.E. Taylor. 1993. A Meta-Model for Mechanical Products Based Upon the Mechanical Design Process. <i>Research in Engineering Design</i> , 5(3 & 4):140-160.
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Hur91	Terril N. Hurst. 1991. Automated Model Generation Using the KIF Declarative Language. In <i>Proceedings of the 1991 ASME Computers in Engineering Conference</i> (ed. Gopal Gupta and Terry E. Shoup); American Society of Mechanical Engineers. pages 137-144.
HW03	A. Hatchuel and B. Weil 2003. A new approach of innovative design: an introduction to CK theory. Proc Intl Conf on Eng Design. (CD)
HW90	Walid Habib and Allen C. Ward. 1990. Proving the Labeled Interval Calculus for Inferences on Catalogs. In <i>Design Theory and Methodology</i> (ed. James R. Rinderle and David G. Ullman); ASME, New York. pages 63-68.
HW98	S. Hsiao and H. Wang. 1998. Applying the semantic transformation method to product form design. <i>Design Studies</i> , 19:309-330.
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HY98	M. Hori and T. Yoshida. 1998. Domain-oriented library of scheduling methods: design principle and real-life application. <i>Intl J Human-Computer Studies</i> , 49:601-626.
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IB87	K. Ishii and P. Barkan. 1987. Rule-based Sensitivity Analysis . In <i>Expert Systems in Computer-Aided Design</i> (ed. John S. Gero); North-Holland, Amsterdam. pages 179-198.

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III02	F. Douglas, III. 2002. Lean principles implementation in the program preparation phase . Master's Thesis; System Design and Management Program, Massachusetts Institute of Technology. (link)
III86	William E. Arthur III. 1986. Shop Floor Control – the First Step to CIM . In <i>Proceedings of CIMTECH, 1986</i> (ed. unknown); Society of Manufacturing Engineers, Dearborn, Michigan. pages 7:39-7:50.
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ILK94	G. Iyengar, Chun-Liang Lee and S. Kota. 1994. Towards an Objective Evaluation of Alternate Designs . <i>Journal of Mechanical Design</i> , 116:487-492.
ILM90	K. Ishii, C. H. Lee and R. A. Miller. 1990. Methods for Process Selection in Design . In <i>Design Theory and Methodology</i> (ed. James R. Rinderle and David G. Ullman); ASME, New York. pages 105-112.
IM02	B. Ippolito and E. Murman. 2002. Improving the software upgrade value stream . Working Paper #2002-02. MIT, Cambridge, Mass. (link)
IP02	S. Ingram and A. Parker 2002. The Influence of Gender on Collaborative Projects in an Engineering Classroom . <i>IEEE TRANSACTIONS ON PROFESSIONAL COMMUNICATION</i> , 45(1): 7-20.
IS02	H. Ilies and V. Shapiro. 2002. A class of forms from function: the case of parts moving in contact . <i>Research in Engineering Design</i> , 13:157-166.

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JCD04	C.R. Johnston, D.J. Caswell, D.M. Douglas and M.J. Eggermont 2004. A competency-based, student-centred assessment model for engineering design . <i>Proc 1st CDEn Conference</i> .
Jea95	A. Jeang. 1995. Economic tolerance design for quality . <i>Quality and Reliability Engineering International</i> , 11:113-121.

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JFB00	D.D. Jensen, J. Feland, M. Bowe and F. Self. 2000. A 6-hats based team formation strategy: development and comparison with an MBTI based approach. In <i>ASEE Annual Conf.</i> (link)
JFL96	J.E. Jorgensen, J.L. Fridley and J.S. Lamancusa. 1996. Product dissection - a tool for benchmarking in the process of teaching design.
JH98	J.D. Jones and Y. Hua. 1998. A fuzzy knowledge base to support routine engineering design. <i>Fuzzy Sets and Systems</i> , 98:267-278.
JL08	T. Jackson and J. Loudon 2008. Presentation on Ethnographic Research in Product Design , Hosted by HFE Lab at Ryerson University.
JL91	Y. Jaluria and D. Lombardi. 1991. Use of Expert Systems in the Design of Thermal Equipment and Processes. <i>Research in Engineering Design</i> , 2(4):239-253.
JL95	K.P. Jantke and S. Lange. 1995. Case-based representation and learning of pattern languages. <i>Theoretical Computer Science</i> , 137:25-51.
Jlb02	J. L. Badaracco. 2002. Leading Quietly: An Unorthodox Guide to Doing the Right Thing. <i>HBS Press Book</i> , Boston, MA.
JLJ90	Vikram R. Jamalabad, Noshir A Langrana and Yogesh Jaluria. 1990. Heuristic Design of a Material Processing Component. In <i>Design Theory and Methodology</i> (ed. James R. Rinderle and David G. Ullman); ASME, New York. pages 119-126.
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Joh00	Vera John-Steiner. 2000. Creative Collaboration. Oxford University Press, US.
Joh86	Robert H. Johnson. 1986. Product Data Management – with Solid Modelling. <i>Computer-Aided Engineering Journal</i> pages 129-132.
Joh88	R. Johansen. 1988. Groupware: Computer Support for Business Teams. <i>The Free Press.</i>
Joh93	P. Johannesson. 1993. Using Conceptual Graph Theory to Support Schema Integration. In <i>12th Intl Conf on Entity-Relationship Approach</i> (ed. R. Elmasri). pages 280-289.
Joh98	A.L. Johnson. 1998. An open architecture approach to kinematic analysis for computer-aided embodiment design. <i>Computer-Aided Design</i> , 30(3):199-204.
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Jon70	J.C. Jones. 1970. Design Methods and Technology: Seeds of Human Futures.
Jon92	J.C. Jones. 1992. Design methods. John Wiley & Sons, New York.
Jos01	P. Josty. 2001. Myths about innovation.
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JR92	John W. Baugh Jr. and Daniel R. Rehak. 1992. Applications of Coarse-Grained Dataflow in Computational Mechanics. <i>Engineering with Computers</i> , 8(1):13-30.
JSP90	David G. Jansson, Srinivasa Ravi Shankar and Francis S. K. Polisetty. 1990. Generalized Measures of Manufacturability. In <i>Design Theory and Methodology</i> (ed. James R. Rinderle and David G. Ullman); ASME, New York. pages 85-96.

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JW00	D.D. Jensen and K.L. Wood. 2000. Incorporating learning styles to enhance mechanical engineering curricula by restructuring courses, increasing hands-on activities, and improving team dynamics. In <i>ASME Annual Conf</i> (link)
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KA05	Gary L. Klein and Leonard Adelman 2005. Collaboration Evaluation Framework. <i>MITRE Corporation</i> , p6. (link)
Kal91	C. M. Kalker-Kalkman. 1991. Optimal Design with the Aid of Randomization Methods. <i>Engineering with Computers</i> , 7(3):173-183.
Kat85	R. H. Katz. 1985. Information Management for Engineering Design. Springer-Verlag.
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KB96	R. Karni and S. Belikoff. 1996. Concurrent Engineering Design Using Interval Methods. <i>Int. Trans. Opl. Res.</i> , 3(1):77-87.
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KC05	D. E. Kuhns and P. E. Chapman 2005. How Does Shared Decision Making Impact Inclusion. <i>National Forum of Special Education Journal</i> , 17(1):1-17. (link)
KC92	Sridhar Kota and Shean-Juinn Chiou. 1992. Conceptual Design of Mechanisms Based on Computational Synthesis and Simulation of Kinematic Building Blocks. <i>Research in Engineering Design</i> , 4(2):75-87.
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KF97	C.F. Kirschman and G.M. Fadel. 1997. Customer metrics for the selection of generic forms at the conceptual stage of mechanical design. In <i>Proc ASME DETC</i> ; ASME
KF99	J.J. Kay and J.A. Foster. 1999. About teaching systems thinking. In <i>Proc HKK Conf</i> (ed. G. Savage and P. Roe) (link)
KFJ96	C.F. Kirschman, G.M. Fadel and C.C. Jara-Almonte. 1996. Classifying functions for mechanical design. In <i>Proc. ASME Design Engineering Technical Conference</i> ; ASME (link)
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Kim02	R. Kimbell. 2002. Assessing design innovation.
Kim87	Fumihiko Kimura. 1987. Product Modelling and Design Knowledge for CAD. In <i>[Euro graphics]- '87</i> (ed. G. Marechal); Elsevier Science Publishers B.V.. pages 237-238.
Kim97	G.J. Kim. 1997. Case-based design for assembly. <i>Computer-Aided Design</i> , 29:497-506.
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KN90	Raghu Karinithi and Dana Nau. 1990. An Approach to Addressing Geometric Feature Interactions. In <i>Proceedings of the 1990 ASME Computers in Engineering Conference</i> (ed. G. L. Kinzel and S. M. Rohde); American Society of Mechanical Engineers. pages 243-250.
Koe87	J. F. Koegel. 1987. A Theoretical Model for Intelligent CAD. In <i>Intelligent CAD Systems I (Theoretical and Methodological Aspects)</i> (ed. P. J. W. {ten Hagen} and Tetsuo Tomiyama); Springer-Verlag, Berlin. pages 206-223.
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Koz96	I.O. Kozin. 1996. Analogical reasoning for reliability analysis based on generic data. <i>Reliability Engineering and System Safety</i> , 54:59-64.
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Kra87	G. A. Kramer. 1987. Incorporating Mathematical Knowledge into Design Models. In <i>Expert Systems in Computer-Aided Design</i> (ed. John S. Gero); North-Holland, Amsterdam. pages 229-257.
Kra87a	Glenn A. Kramer. 1987. Representing and Reasoning about Design. In <i>Design Theory for CAD</i> (ed. H Yoshikawa and E. A. Warman); North-Holland, Amsterdam. pages 59-87.
Kra90	S. Kramer. 1990. Application of concept mapping to systems engineering. <i>Proc Intl Conf on Systems, Man and Cybernetics</i> , pages 652-654. (link)
Kra90a	S. Kramer. 1990. Application of concept mapping to systems engineering. IEEE. Pages 652-654. (link)
Kre02	M. Kressy. 2002. Industrial design.
Kri03	K. Krippendorff. 2003. The social reality of meaning. <i>American Journal of Semiotics</i> , May.
Kri95	Jon M. Kriegel. 1995. Exact Constraint Design. <i>Mechanical Engineering</i> , 117(5):88-90.
KRP90	K.C. Kapur, S. Raman and P.S. Pulat. 1990. Methodology for tolerance design using quality loss function. <i>Computers and Industrial Engineering</i> , 19:254-257.

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KS04	Ramji Kamakoti and Wei Shyy. 2004. Fluid&ndash;structure interaction for aeroelastic applications. <i>Progress in Aerospace Sciences</i> , 40(8):535-558. (link)
KSH87	Y. E. Kalay, L. M. Swerdloff and A. C. Harfmann. 1987. A Knowledge-based Computable Model of Design. In <i>Expert Systems in Computer-Aided Design</i> (ed. John S. Gero); North-Holland, Amsterdam. pages 203-223.
KSR01	M.A. Kurfman, R.B. Stone, J. Rajan and K.L. Wood. 2001. Functional modeling experimental studies.
KSW00	M.A. Kurfman, R.B. Stone, M. Van Wie, K.L. Wood and K.N. Otto. 2000. Theoretical underpinnings of functional modeling: preliminary experimental results. In <i>ASME 2000 Design Engineering Technical Conference</i> (link)
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KT94	S.M. Kannapan and D.L. Taylor. 1994. The Interplay of Context, Process, and Conflict in Concurrent Engineering (Submitted to Concurrent Engineering: Research and Applications).
KT96	R. Kudo and T. Terano. 1996. Automating concept development by analogical reasoning for advanced decision aids. <i>Expert Systems with Applications</i> , 10(3/4):357-364.
KTP99	B. Knight, S. Taylor, M. Petridis, J. Ewer and E.R. Galea. 1999. A knowledge-based system to represent spatial reasoning for fire modeling. <i>Artificial Intelligence</i> , 108:213-219.
Kun06	G. Kunda. 2006. Engineering Culture: Control and Commitment in a High-tech Culture. <i>Temple University Press</i> , Philadelphia.
Kuv99	B.F. Kuvin. 1999. A look at best practices from around the world: bridge welding, global style. <i>Structural Welding</i> pages 22-23.
KW02	P.H. King and J.M.T. Walker 2002. Concept mapping applied to design. <i>Proc. 2nd Joint EMBS/BMES Conference.</i> Pages 2597-2598. (link)
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LaF92	Ronald Samuel LaFleur. 1992. Principal Engineering Design Questions. <i>Research in Engineering Design</i> , 4(2):89-100.
Lad97	P. B. Ladkin. 1997. Correctness in System Engineering. Research Report #RVS-RR-96-03. Faculty of Technology, Bielefeld University, Bielefeld, Germany.
Lam09	Steve Lambert. 2009. Integrating Design Throughout the Curriculum Using Case Studies. <i>The Sixth International Conference on Innovation and Practices in Engineering Design and Engineering Education</i> , Hamilton, 5p.

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Lan51	Henry L. Langhaar (eds). 1951. Dimensional Analysis and Theory of Models. John Wiley and Sons, Inc., New York.
Lar03	A. Larsson. 2003. Making Sense of Collaboration: The Challenge of Thinking Together in Global Design Teams. <i>Proceedings of the 2003 international ACM SIGGROUP conference on Supporting group work</i> , 153-160. Sanibel Island, Florida, USA.
LBW90	K.H. Law, T. Barsalou and G. Wiederhold. 1990. Management of Complex Structural Engineering Objects in a Relational Framework. <i>Engineering with Computers</i> , 6(2):81-92.
LCH96	D. Larson, K. Collier, J. Hatfield and S. Howell. 1996. Student assessment and interdisciplinary design. In <i>Proc ABET Annual Meeting</i> ; ABET
LCM99	J.D. Lang, S. Cruse, F.D. !McVey and J. McMasters. 1999. Industry expectations of new engineers: a survey to assist curriculum designers. <i>J. Eng. Ed.</i> pages 43-51. (link)
LDS86	E. C. Libardi, J. R. Dixon and M. K. Simmons. 1986. Designing with Features: Design and Analysis of Extrusions as an Example. MDA Technical Report #2-86. Mechanical Design and Automation Laboratory, University of Massachusetts at Amherst, Amhurst, MA.
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Leo03	P. M. Leonardi. 2003. The Mythos Of Engineering Culture: A Study Of Communicative Performances And Interaction (Masters Thesis). <i>University of Colorado.</i> (link)
LES07	S. C-Y. Lu, W. Elmaraghy, G. Schuh and R. Wilhelm 2007. A Scientific Foundation of Collaborative Engineering. <i>General Assembly of CIRP No57</i> , 56(2): 605-634. (link)
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Lev00	D.Z. Levin. 2000. Organizational learning and the transfer of knowledge: an investigation of quality improvement.
Lev99	J. M. Levine. 1999. Indirect Facilitation: Evidence and Predictions from a Riparian Community. <i>Ecology</i> , 80(5): 1762-1769. (link)
LG97	V. Loia and A. Gisolfi. 1997. A distributed approach for multiple model diagnosis of physical systems. <i>Information Sciences</i> , 99:247-288.
LHC96	D. Larson, S. Howell, K. Collier and J. Hatfield. 1996. A four-year path to synthesis: the junior interdisciplinary and vertically integrated design experience.
LHW00	C. H. Lu, Y. S. He and G. X. Wu. 2000. Coupled analysis of nonlinear interaction between fluid and structure during impact. <i>Journal of fluids and structures</i> , 14(1):127-146. (link)
Lid99	T. Liddament. 1999. The computationalist paradigm in design research. <i>Design Studies</i> , 20:41-56.

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Lit00	T.A. Litzinger. 2000. An integrated approach to developing professional and technical skills in engineering undergraduates.
Liu00	Y.T. Liu. 2000. Creativity or novelty? <i>Design Studies</i> , 21:261-276.
LJK91	Gregory P. Luth, Deepak Jain, Helmut Krawinkler and Kincho H. Law. 1991. A Formal Approach to Automating Conceptual Structural Design, Part I: Methodology. <i>Engineering with Computers</i> , 7(2):79-89.
LK98	A. Lauder and S. Kent. 1998. Precise visual specification of design patterns. In <i>Proc ECOOP98</i> ; Springer-Verlag. pages 114-134. (link)
LL95a	P. Lloyd and B. Lawson. 1995. Can concurrent verbalization reveal design cognition? <i>Design Studies</i> , 16:237-259.
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LO96	C. Lim and P.J. O'Grady. 1996. A representation formalism for feature-based design. <i>Computer-Aided Design</i> , 28(6/7):451-460.
LO98	W. Liang and P. O'Grady. 1998. Design with objects: an approach to object-oriented design. <i>Computer-Aided Design</i> , 30(12):943-956.
Loc92	John E. Lockyer. 1992. Educating for Awareness: An Alternative to a Five-Year Curriculum (to be presented at the Eighth Canadian Conference on Engineering Education).
Lou99	P. Louridas. 1999. Design as bricolage: anthropology meets design thinking. <i>Design Studies</i> , 20:517-535.
Lov00	T. Love. 2000. Philosophy of design: a metatheoretical structure for design theory. <i>Design Studies</i> , 21:293-313. (link)
Lov01	T. Love. 2001. Strategic Management of Knowledge for Designers: Meta-Theoretical Hierarchy as a Foundation for Knowledge Management Tools. In J. Gero & K. Hori (Eds.), <i>Strategic Knowledge and Concept Formation</i> , pages 3-16. Sydney: Key Centre of Design Computing and Cognition, University of Sydney. (link)
Lov02	T. Love. 2002. Constructing a coherent cross-disciplinary body of theory about designing and designs: some philosophical issues. <i>International Journal of Design Studies</i> , 23(3):345-361. (link)
Lov03	T. Love. 2003. Design as a Social Process: Bodies, Brains and Social Aspects of Designing. <i>Journal of Design Research</i> , issue 1. (link)
Lov09	T. Love. 2009. Complicated and Complex Crime Prevention and the 2 Feedback Loop Law . In T. Cooper, P. Cozens, K. Dorst, P. Henry & T. Love (Eds.), <i>Proceedings of iDOC'09 'What's Up Doc' International Design Out Crime Conference</i> . Perth: Design Out Crime Research Centre.
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LR00a	R. H. Lovgren and M. J. Racer 2000. Group Dynamics in Projects: Don't Forget the Social Aspects. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 126(4): 156-165.
LR03	R. Legler and T. Reischl 2003. The Relationship of Key Factors in the Process of Collaboration: A Study of School-to-Work Coalitions. <i>Journal of Applied Behavioral Science</i> , 39(1): 53-72. (link)

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LR83	R. Levin and D.D. Redell 1983. An evaluation of the ninth SOSP submissions, or how (and how not) to write a good systems paper. <i>Operating Systems Review</i> , 17(3):35-40. ACM. (link)
LS01	J.C. Lockledge and F.A. Salustri. 2001. Restructuring design communication using a design structure matrix. In <i>Proc. 13th Intl Conf on Engineering Design (ICED 01)</i> (ed. S. Culley and A. Duffy and C. !McMahon and K. Wallace); Professional Engineering Publishing Ltd. pages 27-34. (link)
LS02	B. Lee and K. Saitou. 2002. Design of part family robust-to-production plan variations based on quantitative manufacturability evaluation. <i>Research in Engineering Design</i> , 13:199-212.
LS99	J.C. Lockledge and F.A. Salustri. 1999. Defining the Engine Design Process. <i>J. Engineering Design</i> , 10(2):109-124.
LSH01	Michel Lesoinne, Marcus Sarkis, Ulrich Hetmaniuk and Charbel Farhat. 2001. A linearized method for the frequency analysis of three-dimensional fluid/structure interaction problems in all flow regimes. <i>Computer methods in applied mechanics and engineering</i> , 190(24-25):3121-3146. (link)
LT95	Centre for Excellence in Learning and Teaching. 1995. When students learn in groups. <i>Penn State ID Newsletter</i> (link)
LTC96	C.L. Li, S.T. Tan and K.W. Chan. 1996. A qualitative and heuristic approach to the conceptual design of mechanisms. <i>Engineering Applications of Artificial Intelligence</i> , 9(1):17-31.
LTJ96	J.S. Lamancusa, M. Torres and J.E. Jorgensen. 1996. Learning engineering by product dissection.
LVS90	L.A. Lopez, K.A. Valimohamed and S. Schiff. 1990. Software Environment for Implementing Engineering Applications on MIMD Computers. <i>Engineering with Computers</i> , 6(4):195-210.
LW01	D.B. Leake and D.C. Wilson 2001. A case-based framework for interactive capture and reuse of design knowledge. <i>Applied Intelligence</i> , 14:77-94.
LW89	K. Lai and W.R.D. Wilson. 1989. FDL - A Language for Function Description and Rationalization in Mechanical Design. <i>Journal of Mechanisms, Transmissions, and Automation in Design</i> , 111:117-123.
LW89a	W.J. Lee and T.C. Woo. 1989. Optimum selection of discrete tolerances. <i>Trans ASME J of Mechanisms, Transmissions and Automation in Design</i> , 111(2):243-252.
LWS91	Kincho H. Law, Gio Wiederhold, Niki Siambela, Walter Sujansky, David Zingmond and Harvinder Singh. 1991. Architecture for Managing Design Objects in a Shareable Relational Framework. <i>International Journal of Systems Automation: Research and Applications</i> , 1(1):47-65.
LWZ07	K. M. Liew, W. Q. Wang, L. X. Zhang and X. Q. He. 2007. A computational approach for predicting the hydroelasticity of flexible structures based on the pressure Poisson equation. <i>International journal for numerical methods in engineering</i> , 72(13):1560-1583. (link)

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MA99	B. Muramatsu and A.M. Agogino. 1999. The national engineering education delivery system: a digital library for engineering education. <i>D-Lib Magazine</i> , 5(4)
Mae06	J. Maeda. 2006. The Laws of Simplicity. MIT Press.
MAK95	F. Mistree, J.K. Allen, H. Karandikar, J.A. Shupe and E. Bascaran. 1995. Learning how to design: a minds-on, hands-on, decision-based approach.
Mak99	K. Makinen. 1999. The transverse response of sandwich panels to an underwater shock wave. <i>Journal of fluids and structures</i> , 13(5):631-646. (link)
Mal02	J. Malmqvist. 2002. A classification of matrix-based methods for product modeling. In <i>Proc Design-2002</i> , Dubrovnik, Croatia
Mal02a	Y. Malhotra. 2002. When best becomes worst. <i>The Quality Magazine of Australasia</i> , Sep, pages 29-30. (link)
Mar87	G. Marechal. 1987. The ARCADE and OSA Contribution to the Theory of Integrated CAD Systems. In <i>Design Theory for CAD</i> (ed. H Yoshikawa and E. A. Warman); North-Holland, Amsterdam. pages 407-437.
Mar91	Roland Maranzana. 1991. Systeme de Modelisation de Caracteristiques Oriente vers la Fabrication. In <i>Proceedings of the Thirteenth Canadian Congress of Applied Mechanics</i> (ed. N. Popplewell and A. H. Shah); Print Management, Ltd., Winnipeg, Man.. pages 690-691.
Maz95	G.H. Mazur. 1995. Elicit service customer needs using software engineering tools. In <i>Proc. 7th Symp on QFD</i> , Novi, Michigan
Maz96	G.H. Mazur. 1996. The application of quality function deployment (QFD) to design a course in total quality management (TQM) at the University of Michigan College of Engineering. In <i>Proc. Intl Conf Quality</i> , Yokohama, Japan
Maz97	G.H. Mazur. 1997. Task deployment: the human side of QFD. In <i>Proc. 9th Symp on QFD</i> , Novi, Michigan
MB00	I. Moskowitz and K. Bethea. 2000. Self-directed work teams at Analog Devices. <i>Center for Quality of Management Journal</i> , 9(1):17-24. (link)
MB03	Damodar Maity and Sriman Kumar Bhattacharyya. 2003. A parametric study on fluid-structure interaction problems. <i>Journal of sound and vibration</i> , 263(4):917-935. (link)
MBL98	T. Mosher, M. Barrera and N. Lao. 1998. Integration of small satellite cost and design models for improved conceptual design-to-cost. In <i>Proc 8th Annual Intl Symp of the Intl Council on Sys Eng</i> , Vancouver (link)
MBZ95	M.L. Maher, M.B. Balachandran and D.M. Zhang. 1995. Case-Based Reasoning in Design. Lawrence Erlbaum Assoc.
MC92	G.S. Miller and J.S. Colton. 1992. The Complementary Roles of Expert Systems and Database Management Systems in a Design for Manufacture Environment. <i>Engineering with Computers</i> , 8(3):139-149.
MC94	W.A. Mackey and J.C. Carter. 1994. Measure the Steps to Success. <i>IEEE Spectrum</i> pages 33-38.
McC94	D. McCabe. Concept mapping. Download
McD94	R. McDonald. 1994. Concurrent Engineering User Guide (draft internal document).
McM00	E. McMahon. 2000. Odyssey - A web-based design system.
MCS97	M.L. Maher, A. Cicognani and S. Simoff. 1997. An experimental study of computer mediated collaborative design. <i>Intl J of Design Computing</i> , 1

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MD06	R. Milgram & N. Davidovich. 2006. Creative thinking as a predictor of teacher effectiveness at three levels: Elementary, secondary, and higher education. Proc 26th International Congress of Applied Psychology [CD-ROM]. Athens, Greece.
MDG87	K. J. MacCallum, A. Duffy and S. Green. 1987. An Intelligent Concept Design Assistant. In <i>Design Theory for CAD</i> (ed. H Yoshikawa and E. A. Warman); North-Holland, Amsterdam. pages 301-317.
Mea99	D. Meadows. 1999. Leverage Points: Places to Intervene in a Systems. The Sustainability Institute. link
Med86	A. J. Medland. 1986. The Computer-Based Design Process. Springer-Verlag.
Meg87	S. A. Meguid. 1987. Integrated Computer-Aided Design of Mechanical Systems. Elsevier Applied Science Publishers, Great Britain.
Mer01	C.A. Mertler. 2001. Designing Scoring Rubrics for Your Classroom. <i>Practical Assessment, Research & Evaluation</i> 7(25): 1-10. (link)
MFC07	W. M. Martin, R. Fruchter, H. Cavallin and A. Heylighen 2007. Different by Design. Artificial Intelligence for Engineering Design, Analysis and Manufacturing, 21:219-225. Cambridge University Press, California, USA.
MGH95	G.H. Mazur, J. Gibson and B. Harries. 1995. QFD applications in health care and quality of work life. In <i>Proc. First Intl Symp on QFD, Tokyo</i>
MGR98	A. McGown, G. Green and P.A. Rodgers. 1998. Visible ideas: information patterns of conceptual sketch activity. <i>Design Studies</i> , 19:431-453.
MGW98	T. McNeill, J.S. Gero and J. Warren. 1998. Understanding Conceptual Electronic Design Using Protocol Analysis. <i>Research in Engineering Design</i> , 10(3):129-140.
MHC01	E.M. Murman, R.J. Hansman and J.P. Clarke. 2001. Aircraft system and product development: teaching the conceptual phase. Working Paper #2001-02. MIT, Cambridge, Mass. (link)
MHC96	J. Moffett, J. Hall, A. Coombes and J. McDermid. 1996. A Model for a Causal Logic for Requirements Engineering. <i>to appear J. Requirements Engineering.</i>
MHJ97	A.J. Marchese, R.P. Hesketh, K. Jahan, T.R. Chandrupatla, R.A. Dusseau, C.S. Slater and J.L. Schmalzel. 1997. Design in the Rowan University freshman engineering clinic.
MHL01	A.I. McInnes, D.M. Harps, J.A. Lang and C.M. Swenson. 2001. A systems engineering tool for small satellite design. In <i>Proc 15th Annual AIAA/USU Conf on Small Satellites</i> (link)
MI02	M.V. Martin and K. Ishii. 2002. Design for variety: developing standardized and modularized product platform architectures. <i>Research in Engineering Design</i> , 13:213-235.
Mik00	J.H. Mikkola. 2000. Modularization assessment of product architecture. DRUID Working Paper #00-4. Danish Research Unit for Industrial Dynamics, Denmark.
Mil85	G.H. Millar. 1985. Computer Integrated Manufacturing and its Impact on Engineering and the Profession, vSP-631. PBN.
Mil88	G.R. Miller. 1988. A LISP-based Object-Oriented Approach to Structural Analysis. <i>Engineering with Computers</i> , 4:197-203.
Mil97	C.W. Miller. 1997. NPD extreme. <i>PDMA Visions</i> (link)
Mis97	F. Mistree. 1997. ME 3110: Creative decisions and design, a designer's workbook.
Miu93	Denny K. Miu. 1993. Mechatronics: Electromechanics and Contromechanics. <i>Mechanical Engineering Series.</i> Springer-Verlag, New York.

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MKF01	S.A. Mohrman, J.A. Klein and D. Finegold. 2001. Managing the global knowledge-creation network: a sense-making perspective. Working Paper #2001-05. MIT, Cambridge, Mass. (link)
MKK87	Farrokh Mistree, Harshavardhan Karandikar and Saiyid Kamal. 1987. Knowledge-Based Mathematical Programming: A Hybrid Approach to Decision Making in Design. In <i>Design Theory for CAD</i> (ed. H Yoshikawa and E. A. Warman); North-Holland, Amsterdam. pages 201-233.
MKW93	J.G. McGuire, D.R. Kuokka, J.C. Weber, J.M. Tenenbaum, T.R. Gruber and G.R. Olsen. 1993. SHADE: Technology for Knowledge-based Collaborative Engineering. <i>Concurrent Engineering: Research and Applications</i> , 1:137-146.
MME00	B. Muramatsu, F. McMartin, P.A. Eibeck, J.G. Tront and A.W. Anderson. 2000. An evaluation process for engineering courseware: the Premier Award for Excellence in Engineering Education Courseware. In <i>to appear, Proc. 2000 Intl Conf for Engineering Education</i> , Taipei (link)
MO94	R.L. Miller and B.M. Olds. 1994. A model curriculum for a capstone course in multidisciplinary engineering design. <i>J. Eng. Ed.</i> pages 1-6. (link)
MOB96	R.L. Miller, B.M. Olds and R.M. Baldwin. 1996. Introducing students to total quality management concepts in an authentic context.
Moe95	C. Moeller. 1995. Logistics concept development: Towards a theory for designing effective systems. PhD Thesis; Aalborg University, Denmark. (link)
Moh02	S.N. Mohan. 2002. Managing unmanned flight projects using methods in complex product development. In <i>Proc IEEE Aerospace Conference</i>
MOI92	R.J. McCall, J.L. Ostwald and F.M. Shipman III. 1992. Supporting Designers' Access to Information through Virtually Structured Hypermedia. In <i>Intelligent Computer Aided Design</i> (ed. D. C. Brown and M. Waldron and H. Yoshikawa); Elsevier Science Publishers B. V., North-Holland. pages 331-345.
Moo04	B. Moon. 2004. Concept Maps and Wagon Wheels: Merging Methods to Improve the Understanding of Team Dynamics. Proc. 1st Intl Conf on Concept Mapping. Pamplona. (link)
Mor85	Micheal E. Mortenson. 1985. Geometric Modeling. John Wiley and Sons.
Mou05	P. Moussou. 2005. A kinematic method for the computation of the natural modes of Fluid-Structure interaction systems. <i>Journal of fluids and structures</i> , 20(5):643-658. (link)
MP90	K. Martini and G.H. Powell. 1990. Geometric Modeling Requirements for Structural Design. <i>Engineering with Computers</i> , 6(2):93-102.
MPL00	R.M. Marra, B. Palmer and T.A. Litzinger. 2000. The effects of a first-year engineering design course on student intellectual development as measured by the Perry scheme. <i>Journal of Engineering Education</i> , 89:39-45. (link)
MS00	Emile Morse and Michelle Potts Steves 2000. CollabLogger: A Tool for Visualizing Groups At Work. <i>Proceedings of WETICE 2000, Workshops on Enabling Technologies: Infrastructure for Collaborative Enterprises</i> , p104-109. (link)
MS02	J. Melvin and N.P. Suh 2002. Beyond the hierarchy: system-wide rearrangement as a tool to eliminate iteration. <i>Proc 2nd Intl Conf on Axiomatic Design.</i> (link)
MS82	W. Michael and J.N. Siddall. 1982. The optimization problem with optimal tolerance assignment and full acceptance. <i>ASME Journal of Mechanical Design</i> , 104(4):855-860.

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MSC99	M.L. Maher, B. Skow and A. Cicognani. 1999. Designing the virtual campus. <i>Design Studies</i> , 20:319-342.
MSK87	Syunsuke Minami, Hitoshi Saji, Hideko S. Kunii and Naomasa Nakajima. 1987. Information Retrieval System for Optical-Disk-Filed Machine Drawings Based on Feature Description. In <i>Proceedings of Computer Graphics International '87</i> (ed. Tosiyasu L. Kunii); Springer-Verlag, Tokyo. pages 427-440.
MSW99	D.A. McAdams, R.B. Stone and K.L. Wood. 1999. Functional interdependence and product similarity based on customer needs. <i>Research in Engineering Design</i> , 11(1):1-19. (link)
Mul91	Glen Mullineux. 1991. A Blackboard Structure for Handling Engineering Design Data. <i>Engineering with Computers</i> , 7(3):185-195.
Mur00	B. Muramatsu. 2000. The development of a national science, mathematics, engineering and technology education digital library: lessons learned from NEEDS. In <i>to appear, Proc Intl Conf for Engineering Education</i> , Taipei (link)
Mur00a	B. Muramatsu. 2000. A digital learning space for science, mathematics, engineering and technology education. In <i>invited talk, Mathematics/Science Education and Technology 2000 (M/SET)</i> , San Diego (link)
MWR00	E.M. Murman, M. Walton and E. Rebentisch. 2000. Challenges in the better, faster, cheaper era of aeronautical design, engineering and manufacturing. Working Paper #2000-03. MIT, Cambridge, Mass. (link)
MZ87	Mary Lou Maher and F. Zhao. 1987. Using Experience to Plan the Synthesis of New Designs. In <i>Expert Systems in Computer-Aided Design</i> (ed. John S. Gero); North-Holland, Amsterdam. pages 349-368.
MZ93	M.L. Maher and D.M. Zhang. 1993. CADSYN: A Case-Based Design Process Model. <i>AI EDAM</i> , 7(2):97-110.
MZ96	E. Motta and Z. Zdrahal 1996. Parametric design problem solving. <i>Proc 10th Knowledge Acquisition Workshop</i> , Banff, Canada (link)

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Nai98	I. Nair. 1998. Life cycle analysis and green design: a context for teaching design, environment, and ethics. <i>Journal of Engineering Education</i> , 87:489-494. (link)
Naj98	M. Najm. 1998. An innovative approach in teaching professionals at the graduate level.
Nam09	Satish Nambisan. 2009. Platforms for Collaboration. <i>Stanford Social Innovation Review</i> , 43-49. (link)
NBY01	D. Noble, D. Buck and J. Yeargain 2001. Metrics for Evaluation of Cognitive-Based Collaboration Tools. <i>6th International Command and Control Research and Technology Symposium</i> . p1-12. (link)
NCY05	K. Namkoong, H.G. Choi and J.Y. Yoo. 2005. Computation of dynamic fluid-structure interaction in two-dimensional laminar flows using combined formulation. <i>Journal of fluids and structures</i> , 20(1):51-69. (link)

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NDS87	E. H. Nielson, J. R. Dixon and M. K. Simmons. 1987. How Shall We Represent the Geometry of Designed Objects? . MDA Technical Report #6-87. Mechanical Design and Automation Laboratory, University of Massachusetts at Amherst, Amhurst, MA.
NE00	B. Nuseibeh and S. Easterbrook 2000. Requirements engineering: a roadmap . <i>Proc ICSE</i> (link)
Nel97	B. Nelson. 1997. How to create really big new products . <i>PDMA Visions</i> (link)
New00	J.L. Newcomer. 2000. Reassessing design goals: using design projects to meet assessment goals .
NL05	D. Noble and M. Letsky 2005. Cognitive-Based Metrics to Evaluate Collaboration Effectiveness . <i>Defense Technical Information Center</i> , p1-14. (link)
NM87	D. Navinchandra and D. H. Marks. 1987. Design Exploration Through Constraint Relaxation . In <i>Expert Systems in Computer-Aided Design</i> (ed. John S. Gero); North-Holland, Amsterdam. pages 481-509.
Nor88	D.A. Norman. 1988. The design of everyday things . Basic Books, New York.
Nor92	Donald A. Norman. 1992. Design Principles for Cognitive Artifacts . <i>Research in Engineering Design</i> , 4(1):43-50.
Nov00	J.D. Novak. 2000. The theory underlying concept maps and how to construct them .
NPR94	M.Y. Nagarwala, P.S. Pulat and S.R. Raman. 1994. Process selection and tolerance allocation for minimum cost assembly . <i>Manufacturing Science and Engineering</i> , 116
NRG95	C.F. Newberry, J.W. Rutherford and P.J. Gouhin. 1995. National aerospace design competitions: industry/university partnerships . <i>J. Eng. Ed.</i> pages 319-328. (link)
NS03	H. Nelson and E. Stolterman 2003. The Design Way: Intentional Change in an Unpredictable World
NTH98	J. Nutakor, M. Tabatabaie, D. Hanesian and A.J. Perna. 1998. Making articulation work: the HCCC-NJIT relationship . (link)
NUD91	Richard L. Nagy, David G. Ullman and Thomas G. Diettrich. 1991. A Knowledge Base Data Representation for Collaborative Mechanical Design . In <i>Design Theory and Methodology</i> (ed. Larry A. Stauffer); ASME, New York. pages 69-76.
NW00	D.O. Northwood and W.E. White. 2000. Global networks in engineering education .
NW98	J. Nijhuis and A. van Witteloostuijn. 1998. Teaching and organizing: the case of problem-based learning . In <i>Educational Innovation in Economics and Business II</i> (ed. D.T. Tempelaar and F. Wiederheim-Paul and E. Gunnarsson); Kluwer Academic Publishers
NZ98	R.H. Nowaczyk and T.A. Zang 1998. Factors related to successful engineering team design . <i>AIAA-98-4941</i> , p1-9.

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OA01	O. Ozcan and L. Akarun 2001. Mathematics and design education . <i>Design Issues</i> , 17(3):26-34. (link)
OA91	K.N. Otto and E.K. Antonsson. 1991. Trade-off strategies in engineering design . <i>Research in Engineering Design</i> , 3(2):87-104.
OBS98	V.L. O'Day, D.G. Bobrow and M. Shirley. 1998. Network community design: a social-technical design circle . <i>Computer Supported Cooperative Work</i> , 7:315-337.

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OCF00	W.C. Oakes, E.J. Coyle, R. Fortek, J. Gray, L.H. Jamieson, J. Watia and R. Wukasch. 2000. EPICS: Experiencing engineering design through community service projects.
OD88	M. F. Orelup and J. R. Dixon. 1988. Computer-Based Models of Mechanical Design Processes: A Summary of Current Research. MDA Technical Report #9-88. Mechanical Design and Automation Laboratory, University of Massachusetts at Amherst, Amhurst, MA.
OH77	P.F. Ostwald and J. Huang. 1977. A method of optimal tolerance selection. <i>Trans ASME J Engineering for Industry</i> , 92(3):677-682.
Ole92	J. Olesen. 1992. Concurrent development in manufacturing - based on dispositional mechanisms. Institute for Engineering Design, Technical University of Denmark.
OON96	P. Oliver, A. Ormsby and K. Nakata. 1996. Occupancy array-based kinematic reasoning. <i>Engineering Applications of Artificial Intelligence</i> , 9(5):541-549.
Org92	Dictionary/Methodology Committee of the IGES/PDES Organization. 1992. Technical Report on the Semantic Unification Meta-Model. ISO TC184/SC4 #WG3 N103. ISO.
Osb63	A.F. Osborn. 1963. Applied imagination. Scribener's Sons, New York.
OST57	C. E. Osgood, G. J. Suci and P. H. Tannenbaum 1957. The measurement of meaning, 8th ed. University of Illinois Press, 346p. (link)
OW01	K. Otto and K. Wood. 2001. Product Design - Techniques in Reverse Engineering and New Product Development. Prentice-Hall.
Owe07	C.L. Owen. 2007. Structured planning: advanced planning for business, institutions, and government. Illinois Institute of Design
Owe92	C. L. Owen. 1992. Context for creativity. <i>Design Studies</i> , 13(3):216-228.
Oxm04	R. Oxman. 2004. Think-maps: teaching design thinking in design education. <i>Design Studies</i> 24(1):63-91.
Oxm97	R. Oxman. 1997. The ICF: a shared model for design web-space. <i>Intl J of Design Computing</i> , 1
Oxm99	R. Oxman. 1999. Educating the designerly thinker. <i>Design Studies</i> , 20:105-122.

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Pau81	Richard P. Paul. 1981. Robot Manipulators: Mathematics, Programming and Control. MIT Press.
Pav06	V.V. Pavlov. 2006. Dolphin skin as a natural anisotropic compliant wall. <i>Bioinspiration and Biomimetics</i> 1:31-40. (link)
PB88	G. Pahl and W Beitz. 1988. Engineering Design: A Systematic Approach. Springer-Verlag.
PBF99	G. Pahl, P. Badke-Schaub and E. Frankenberger. 1999. Resume of 12 years interdisciplinary empirical studies of engineering design in Germany. <i>Design Studies</i> , 20:481-494.
PC02	M.J. Pugliese and J. Cagan. 2002. Capturing a rebel: modeling the Harley-Davidson brand through a motorcycle shape grammar. <i>Research in Engineering Design</i> , 13:139-156.
PC99	H. Park and M.R. Cutkosky. 1999. Framework for Modeling Dependencies in Collaborative Engineering Processes. <i>Research in Engineering Design</i> , 11(2):84-102.

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PCE08	Eujin Pei, R. I. Campbell and M. A. Evans 2008. Building a Common Ground: The Use of Design Representation Cards for Enhancing Collaboration between Industrial Designers and Engineering Designers. <i>Design Research Society Biennial Conference</i> , Sheffield, UK. (link)
PDG92	Corrado Poli, Pratip Dastidar and Robert Graves. 1992. Design Knowledge Acquisition for DFM Methodologies. <i>Research in Engineering Design</i> , 4(3):131-145.
Ped07	O. Pedgeley. 2007. Capturing and analysing own design activity. <i>Design Studies</i> , 28(5):463-483. (link)
Per01	L. A. Perlow. 2001. Time to Coordinate: Toward an Understanding of Work-Time Standards and Norms in a Multicountry Study of Software Engineers. <i>Work and Occupations</i> , 28(1): 91-111. (link)
Pet93	T.J. Peters. 1993. Encoding Mechanical Design Features for Recognition via Neural Nets. <i>Research in Engineering Design</i> , 4(2):67-74.
Pet95	Thomas J. Peters. 1995. Evolving Formal Design Theory and Supporting Computational Tools.
PG03	J. Pruitt and J. Grudin 2003. Personas: practice and theory. Proc. <i>Designing for User Experiences conf</i> , ACM, CDRom. (link)
PH02	K.M. Pearle and L.M. Head. 2002. Using your brain to build teams that work: a study of the freshman and sophomore engineering clinics at Rowan University. In <i>Proc ASEE Annual Conf, Session 2330</i> (link)
Phi92	Robert E. Phillips. 1992. Guest Editorial: Language-Based Approaches to Design. <i>International Journal of Systems Automation: Research and Applications</i> , 2(4):317-318.
Pip98	Serge Piperno. 1998. Explicit/implicit fluid/structure staggered procedures with a structural predictor and fluid subcycling for 2D inviscid aeroelastic simulations. <i>International Journal for Numerical Methods in Fluids</i> , 25(10):1207-1226. (link)
Pis96	Y. Pisan. 1996. Using qualitative representations in controlling engineering problem solving. In <i>Proc Qualitative Reasoning Workshop</i> (link)
PK89	Luis A. Pineda and Ewan H. Klien. 1989. A Graphical and Logical Language for a Simple Design Domain. In <i>Intelligent CAD Systems III: Practical Experience and Evaluation</i> (ed. P. J. W. ten Hagen and P. J. Veerkamp); The European Association for Computer Graphics, Amsterdam. pages 103-130.
PKS92	Y.-H. Pao, K. Komeyli, D. Shei, S. !LeClair and A. Winn. 1992. The Role of Episodal Associative Memory in Feature-Based Design. In <i>Intelligent Computer Aided Design</i> (ed. D. C. Brown and M. Waldron and H. Yoshikawa); Elsevier Science Publishers B. V., North-Holland. pages 309-325.
PM88	R. M. Patel and A. J. McLeod. 1988. The Implementation of a Mechanical Engineering Design Interface Using Engineering Features. <i>Computer-Aided Engineering Journal</i> pages 241-246.
PM88a	R. M. Patel and A. J. McLeod. 1988. Engineering Feature Description in Mechanical Engineering Design. <i>Computer-Aided Engineering Journal</i> pages 180-183.
Pog96	A. Poggi. 1996. Cooperative software agents for the Unix domain. <i>Knowledge-Based Systems</i> , 9:245-252.
PM97	J. Poon M.L. Maher. 1997. Co-evolution and emergence in design. <i>Artificial Intelligence in Engineering</i> 11:319-327.

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PR09	A. F. Phelps and M. Reddy 2009. The influence of boundary objects on group collaboration in construction project teams. <i>Proceedings of the ACM 2009 international conference on Supporting group work</i> , ACM, 125-128. Sanibel Island, Florida, USA. (link)
PS02	H.M. Pierson and D.H. Suchora. 2002. The Rube Goldberg three-minute timer: a design based learning tool for engineering freshman. In <i>Proc ASEE Annual Conference, Session 1353</i> (link)
PS98	M. Perry and D. Sanderson. 1998. Coordinating joint design work: the role of communication and artefacts. <i>Design Studies</i> , 19:273-288.
PSD90	Sisir K. Padhy, R. Sharan and S. N. Dwivedi. 1990. Feature Based Approach for Casting Design. In <i>Design Theory and Methodology</i> (ed. James R. Rinderle and David G. Ullman); ASME, New York. pages 113-118.
Pu93	P. Pu. 1993. Introduction: Issues in Case-Based Design Systems. <i>AI EDAM</i> , 7(2):79-85.
PU98	L. Prechelt and B. Unger. 1998. A series of controlled experiments on design patterns: methodology and results. In <i>Proc. Softwaretechnik'98, {GI} Conference, Paderborn</i> (link)
Pug91	S. Pugh. 1991. Total design: integrated methods for successful product engineering. Addison-Wesley, England.
Put91	Micheal Puttre. 1991. Virtual Reality Comes Into Focus. <i>Mechanical Engineering</i> pages 56-59.
Put92	Micheal Puttre. 1992. Virtual Prototypes Move Alongside Their Physical Counterparts. <i>Mechanical Engineering</i> pages 59-61.
Put93	Micheal Puttre. 1993. Gearing Up For Conceptual Design. <i>Mechanical Engineering</i> , 115(3):46-50.
Put94	M. Puttre. 1994. Taking Control of the Desktop. <i>Mechanical Engineering</i> , 116(9):62-66.
PW00	J. Petrolini and D. Walden. 2000. Planning projects and tasks using 9-steps. <i>Center for Quality of Management Journal</i> , 9(1):3-16. (link)
PW88	Panos Y. Papalambros and Douglass J. Wilde. 1988. Principles of Optimal Design: Modeling and Computation. Cambridge University Press.
PYK92	J. Pabon, R. Young and W. Keirouz. 1992. Integrating Parametric Geometry, Features, and Variational Modeling for Conceptual Design. <i>International Journal of Systems Automation: Research and Applications</i> , 2(1):17-36.
PZ91	I. Popescu and M.B. Zaremba. 1991. An Efficient Search Method for Expert Robot Control. <i>International Journal of Systems Automation: Research and Applications</i> , 1(4):369-386.

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Ran05	M.P. Ranjan. 2005. Creating the unknowable: designing the future in education. EAD06 Conference (online) (link)
Ran91	Ravi M. Rangan. 1991. Using Information Theory to Model Design Processes Supported by Information Systems. In <i>Engineering Databases: An Engineering Resource</i> (ed. V. Saxena); American Society of Mechanical Engineers. pages 79-86.
Ras91	John Rasmussen. 1991. Shape Optimization and Computer-Aided Design. <i>International Journal of Systems Automation: Research and Applications</i> , 1(1):33-45.
Ray00	J.L. Ray. 2000. The unrecognized side of senior capstone design.
RB83	S. D. Rajan and M. A. Bhatti. 1983. Data Management in FEM-based optimization software. <i>Computers and Structures</i> , 16(1-4):317-325.
RBD03	G.A. Ruiz-Dominguez, J.-F. Boujut and T. Diallo. 2003. On the sequential effect of the use of communication tools in distant collaboration.
RC02	K.S. Rounds and J.S. Cooper. 2002. Development of product design requirements using taxonomies of environmental issues. <i>Research in Engineering Design</i> , 13:94-108.
RC03	K. Rouibah and K.R. Caskey 2003. Change management in concurrent engineering from a parameter perspective. <i>Computers in Industry</i> , 50:15-34.
RC97	L.G. Richards and S. Carlson-Skalak. 1997. Faculty reactions to teaching engineering design to first year students. <i>J. Eng. Ed.</i> pages 233-240. (link)
RCC92	D.A. Randell, A.G. Cohn and Z. Cui. 1992. Naive topology: modelling the force pump. In <i>Advances in Qualitative Physics</i> (ed. P. Struss and B. Faltings); MIT Press. pages 177-192.
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RD92	D.W. Rosen and J.R. Dixon. 1992. Languages for Feature-Based Design and Manufacturability Evaluation. <i>International Journal of Systems Automation: Research and Applications</i> , 2(4):353-373.
RE95	N. F. M. Roozenburg and J. Eekels. 1995. Product Design: Fundamentals and Methods. <i>Wiley Series in Product Development: Planning, Designing, Engineering.</i> Wiley and Sons, Chichester.
Rei97	D.G. Reinertsen. 1997. Managing the design factory: a product developer's toolkit. Free Press.
Rei98	N. Reimers. 1998. Best North American practices in technology transfer.
Rek01	C.D. Rekar. 2001. A team development model based on Myers Briggs personality types and action research to improve team performance and participant satisfaction. !PhD Thesis, University of Toronto.
Res98	S.J. Ressler. 1998. The project management K'nexercise: using role-playing to facilitate learning about design and construction.
Rey01	I.M.M.J. Reymen. 2001. Improving design processes through structured reflection: a domain-independent approach. Phd Thesis; Technische Universiteit Eindhoven. (link)
RF91	Ravi M. Rangan and Robert E. Fulton. 1991. A Data Management Strategy to Control Design and Manufacturing Information. <i>Engineering with Computers</i> , 7(2):63-78.

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RG02	Cathy J. Ridgway and Patrick A.C. Gane. 2002. Dynamic absorption into simulated porous structures. <i>Colloids and surfaces. A, Physicochemical and engineering aspects</i> , 206(1-3):217-239. (link)
RG92	H.A. Rao and P. Gu. 1992. Design of Cellular Manufacturing Systems: A Neural Net Approach. <i>International Journal of Systems Automation: Research and Applications</i> , 2(4):407-424.
RG96	L. Roberts and T. Gehrke. 1996. Linkages between best practice in business and good environmental performance by companies. <i>J. Cleaner Prod.</i> , 4:189-202.
RHA05	S. Rafaeli, T. Hayat and Y. Ariel 2005. Wikipedians' sense of community, motivations, and knowledge building: a cross-cultural study. <i>Proc Wikipedia 2005</i> . Accessed 28 Dec 2005. (link)
R190	Prerana Rane and J. R. Isaac. 1990. Functionality: The Key Concept Towards Integration of The Product Cycle. In <i>Proceedings of the 1990 ASME Computers in Engineering Conference</i> (ed. G. L. Kinzel and S. M. Rohde); American Society of Mechanical Engineers. pages 317-326.
Ric01	L.G. Richards. 2001. Teaching creativity and new product development in a distance learning environment. In <i>Proc Intl Conf on Engineering Education</i> (link)
Rie06	D. Riehle. 2006. How and Why Wikipedia Works: An Interview with Angela Beesley, Elisabeth Bauer, and Kizu Naoko. <i>Proc 2006 Intl Symp on Wikis (!WikiSym '06)</i> . ACM Press, 2006. Page tbd. (link)
RIS02	C.M. Rose, K. Ishii and A. Stevels. 2002. Influencing design to improve product end-of-life stage. <i>Research in Engineering Design</i> , 13:83-93.
Rit05	T. Ritchey. 2005. Wicked Problems: Structuring Social Messes with Morphological Analysis. <i>Swedish Morphological Society</i> , p6. (link)
RK90	James R. Rinderle and V. Krishnan. 1990. Constraint Reasoning in Concurrent Design. In <i>Design Theory and Methodology</i> (ed. James R. Rinderle and David G. Ullman); ASME, New York. pages 53-62.
RL88	U. Roy and C. R. Liu. 1988. Establishment of Functional Relationships between Product Components in Assembly Database. <i>Computer-Aided Design</i> , 20:570-580.
RLS92	Natarajan Ramachandran, Noshir A. Langrana, Louis I. Steinberg and Vikram R. Jamalabad. 1992. Initial Design Strategies for Iterative Design. <i>Research in Engineering Design</i> , 4(3):159-169.
RM91	J. G. Robinson and J. S. McIlwee 1991. Men, Women, and the Culture of Engineering. <i>Sociological Quarterly</i> , 32(3): 403-421.
RO92	Jeffrey J. Rankin and Douglas A. Ott. 1992. The Open Approach to FEA Integration in the Design Process. <i>Mechanical Engineering</i> pages 70-75.
Roc88	Arthur J. Roch. 1988. Flexible Machining in an Integrated System. In <i>Design and Analysis of Integrated Manufacturing Systems</i> (ed. W. Dale Compton); National Academy Publishing, Washington, DC. pages 34-45.
Rod71	W. Rodenacker. 1971. Methodisches Konstruieren. Springer-Verlag, Berlin.
Rog14	D. Rogers. 2014. A framework for early design process stages based on an analogy to evolution. PhD Thesis, Ryerson University.
Rog89	J. Rogier. 1989. A Component Class for Design Objects. In <i>Intelligent CAD Systems III: Practical Experience and Evaluation</i> (ed. P. J. W. {ten Hagen} and P. J. Veerkamp); The European Association for Computer Graphics, Amsterdam. pages 41-59.

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Roo92	Norbert Roozenburg. 1992. On the Logic of Innovative Design. In <i>Research in Design Thinking</i> (ed. Nigel Cross and Kees Dorst and Norbert Roozenburg); Delft University Press, Netherlands. pages 127-138.
Ros93	D.W. Rosen. 1993. Feature-Based Design: Four Hypotheses for Future CAD Systems. <i>Research in Engineering Design</i> , 5(3-4):125-139.
Ros98	C. Rossari. 1998. Book Review of Analogical Reasoning in Children (U. Goswami). <i>J. Pragmatics</i> , 29:639-658.
Rou03	K. Rouibah. 2003. Managing concurrent engineering across company borders: a case study. Proc 36th Hawaii Intl Conf on System Sciences (link)
Rou88	William B. Rouse. 1988. The Human Role in Advanced Manufacturing Systems. In <i>Design and Analysis of Integrated Manufacturing Systems</i> (ed. W. Dale Compton); National Academy Publishing, Washington, DC. pages 148-166.
Row01	J. Rowe. 2001. The state of industrial design 2001 - teams and tools cross paths. <i>MCAD Vision</i> (link)
Row02	J. Rowe. 2002. Industrial design and the shape of things to come. <i>MCAD Vision</i> (link)
RP77	William C. Reynolds and Henry C. Perkins. 1977. Engineering Thermodynamics. McGraw-Hill.
RP92	Davis W. Rosen and Thomas J. Peters. 1992. Topological Properties That Model Feature-Based Representation Conversions Within Concurrent Engineering. <i>Research in Engineering Design</i> , 4(3):147-158.
RR07	S. M. Ritchie and D. L. Rigano 2007. Solidarity through Collaborative Research. <i>International Journal of Qualitative Studies in Education</i> , 20(2): 129-150. (link)
RS98	F.A. Rosa and A.R. Silva. 1998. Functionality and partitioning configuration: design patterns and framework. In <i>Proc. 4th Intl Conf on Configurable Distributed Systems</i> ; IEEE, Annapolis, Maryland, USA (link)
RSB00	S. Rahman, T.F. Smith and P.B. Butler. 2000. Overview and expansion of program for enhanced design experience in 1998-99.
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RW07	N. Rowan and D. Wulff 2007. Using Qualitative Methods to Inform Scale Development. <i>The Qualitative Report</i> 12.3: 450-466.
RW85	G.B. Rossman and B.L. Wilson 1985. Numbers and Words: Combining Quantitative and Qualitative Methods in a Single Large-Scale Evaluation Study. <i>Evaluation Review</i> 9(5): 627-643. (link)
RW89	Peter J. G. Ramadge and W. Murray Wonham. 1989. The Control of Discrete Event Systems. In <i>Proceedings of the IEEE</i> ; IEEE. pages 81-98.
RZ92	Y. Rong and Y. Zhu. 1992. Application of Group Technology in Computer-Aided Fixture Design. <i>International Journal of Systems Automation: Research and Applications</i> , 2(4):395-405.

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SA94	W. Sharrock and R. Anderson. 1994. The User as a Scenic Feature of the Design Space. <i>Design Studies</i> , 15(1):5-18.
Sal00	F. A. Salustri. 2000. Ontological commitments in knowledge-based design software: a progress report. In <i>Proceedings of the IFIP TC5 WG5.2 3rd Workshop on Knowledge Intensive CAD</i> (ed. S. Finger and T. Tomiyama and M. Mantyla); Kluwer Academic Publishers, Boston. pages 41-72. (link)
Sal00a	F.A. Salustri. 2000. Towards a logical framework for engineering design processes. In <i>Proceedings of the IFIP TC5 WG5.2 4th Workshop on Knowledge Intensive CAD</i> (ed. U. Cugini and M. Wozny), Parma. pages 211-226.
Sal00b	F.A. Salustri. 2000. Organizing information for the Canadian Design Engineering Network. In <i>Proc. !WebNet 2000</i> ; AACE, San Antonio
Sal01	F.A. Salustri. 2001. Enhancing design engineering education in Canada. In <i>Proc 18th Canadian Congress of Applied Mechanics (CANCAM 01)</i> (ed. A. Swamidas and M.R. Haddara and R. Seshadri). pages 371-372. (link)
Sal02	F.A. Salustri. 2002. Mereotopology for product modeling. <i>J. Design Research</i> , 2(1) (link)
Sal03	F.A. Salustri. 2003. Visualising product design information. In <i>Proc 19th Canadian Congress of Applied Mechanics (CANCAM)</i> . pages 106-107. (link)
Sal03a	F.A. Salustri. 2003. Towards an action logic for design processes. In <i>Proc 14th Intl Conf on Engineering Design (ICED)</i>
Sal09	Nasser Saleh. 2009. Work In Progress: How Engineering Students Collaboratively Seek Information in an Engineering Design Course?. <i>CDEN/C2E2 Conference</i> , Hamilton. (link)
Sal09a	F.A. Salustri. 2009. Design Research in Canada: A Perspective. <i>Proc CDEN/C2E2 Conference</i> , Hamilton. (link)
Sal10	F.A. Salustri. 2010. Misfits, Balance, Requirements, and Systems: thoughts on Alexander's Notes on the Synthesis of Form. Proc 2010 Conference of the Design Research Society. Montreal. (link)
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Sal98a	F. A. Salustri. 1998. Issues in Internet-Enabled CAD. In <i>Proc. CSME Forum</i> (ed. M. A. Rosen and D. Naylor and J. G. Kawall). pages 21-27. (link)
Sar90	P.M. Sargent. 1990. Materials Data Interchange for Component Manufacture. <i>Engineering with Computers</i> , 6(4):237-247.
Saw07	K. Sawyer. 2007. Group Genius: The Creative Power of Collaboration. Westview Press, p274. (link)
Sax85	Kim Saxe. 1985. MRP-II Into CIM: The Interface Phase. In <i>Autofact 1985 Conference Proceedings</i> , Michigan, U.S.A. pages 3:1-3:6.
SB00	J.C. da Silva and N. Back. 2000. Shaping the process of fluid power system design applying an expert system. <i>Research in Engineering Design</i> , 12(1):8-17.
SB02	T.F. Stahovich and H. Bal. 2002. An inductive approach to learning and reusing design strategies. <i>Research in Engineering Design</i> , 13:109-121.
SB93	Gerald F. Smith and Glenn J. Browne. 1993. Conceptual Foundations of Design Problem Solving. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 23(5):1209-1218.
SB94	Weiming Shen and Jean-Paul Barthes. 1994. Towards a multi-agent architecture for Distributed Integrated Design Environments (DIDE).
SBB00	M.A. Stelmack, S.M. Batill and B.C. Beck. 2000. Design of an aircraft brake component using an interactive multidisciplinary design optimization framework. <i>J. Mech. Des.</i> , 122:70-76.
SBC02	D. Stanton, V. Bayon, S. Cobb, C. Abnett and C. O'Malley 2002. The effect of tangible interfaces on children's collaborative behaviour. <i>Conference on Human Factors in Computing Systems</i> , 820-821, ACM. (link)
SBF98	R. Studer, V.R. Benjamins and D. Fensel. 1998. Knowledge engineering: principles and methods. <i>Data and Knowledge Engineering</i> , 25:161-197.
SBN96	R.P. Smith, R.R. Barton, C.A. Nowack and J.L. Zayas-Castro. 1996. Concurrent engineering: a partnership approach.
SBP01	F.A. Salustri, M.G. (Ron) Britton, D. Proulx and R.D. Venter. 2001. CDEN/RCCI: a Canadian network to enhance design engineering education. In <i>Proc. 13th Intl Conf on Engineering Design (ICED 01)</i> (ed. S. Culley and A. Duffy and C. !McMahon and K. Wallace); Professional Engineering Publishing Ltd. pages 403-410. (link)
SC96	D.C. Schmidt and C.D. Cranor. 1996. Half-sync/half-async: a architectural patter for efficient and well-constructed concurrent I/O. In <i>Pattern Languages of Program Design</i> (ed. J.O. Coplien and J.M. Vlissides and N.L. Kerth); Addison-Wesley, Reading, MA
Sca02	W. Scacchi. 2002. Understanding the requirements for developing open source software systems. <i>IEE Proceedings - Software</i> , 149(1):24-39. (link)

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Sch09	Nicole Schadewitz. 2009. Design Patterns for Cross-cultural Collaboration. <i>International Journal of Design</i> , 3(3): 37-53. (link)
Sch85	E.G. Schlechtendahl. 1985. Evolutionary Aspects of CAE Systems. <i>Engineering with Computers</i> , 1(1):1-8.
Sch83	D. Schön. 1983. Educating the reflective practitioner: Toward a new design for teaching and learning in the professions. London: Temple Smith.
Sch89	Ulrich Schiel. 1989. Abstractions in Semantic Networks: Axiom Schemata for Generalization, Aggregation, and Grouping. <i>ACM SIGART Newsletter</i> , 107:25-26.
Sch90	M. Schrage. 1990. Shared Minds. <i>Random House</i> , p227. (link)
Sch95	G. Schwarz. 1995. In search of a "true" logic of knowledge: the nonmonotonic perspective. <i>Artificial Intelligence</i> , 95:39-63.
Sch97	D.C. Schmidt. 1997. Applying design patterns and frameworks to develop object-oriented communication software. <i>Communications of the ACM, CACM</i> , 40(12)
Sch97a	D.P. Schrage. 1997. Integrating graduate and undergraduate education through student design competitions.
Sci89	Edward Sciore. 1989. Object Specialization. <i>ACM Transactions on Information Systems</i> , 7(2):103-122.
SD93	J. Schmitz and S. Desa. 1993. The Development of Virtual Concurrent Engineering and its Application to Design for Producibility. <i>Concurrent Engineering: Research and Applications</i> , 1:159-169.
SDH08	S. M. Stevens, C. C. Dornburg and S. M. L. Hendrickson 2008. Individual and Group Electronic Brainstorming In an Industrial Setting. <i>Sandia National Laboratories</i> , . (link)
SE07	F.A. Salustri and N.L. Eng 2007. Design as...: thinking of what design might be. <i>J Design Principles and Practices</i> , 1:1(19-28). (link)
SE07a	F.A. Salustri and N.L. Eng 2007. Designing as...: thinking about what designing might be. <i>Proc Intl Conf on Engineering Design</i> . Paper 673. (link)
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SE84	George N. Sandor and Arthur G. Erdman. 1984. Advanced Mechanism Design: Analysis and Synthesis. Prentice-Hall, Inc.
SE90	David L. Stubbs and P. Derek Emes. 1990. Modularization: Prefabricating a Process Plant. <i>Mechanical Engineering</i> pages 63-65.
SE98	N. Sabbaghian and S.D. Eppinger. 1998. Product development process capture and display using web-based technologies. In <i>Proc IEEE Conf on Systems, Man, and Cybernetics</i>
SE99	J.A. Siguaw and C.A. Enz. 1999. Best practices in information technology. <i>Hotel and Restaurant Administration Quarterly</i> pages 58-71.
See95	Warren Seering. 1995. White Paper.
SEJ95	S. Sivaloganathan, N.F.O. Evbuomwan, A. Jebb and H.P. Wynn. 1995. Design function deployment - a design system for the future. <i>Design Studies</i> , 16:447-470.
Sen03	S.D. Senturia. 2003. How to avoid the reviewer's axe: one editor's view. <i>IEEE J Microelectromechanical Systems</i> , 12(3):229-232. (link)

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Ser91	D. Serrano. 1991. Constraint-Based Concurrent Design . <i>International Journal of Systems Automation: Research and Applications</i> , 1(3):287-304.
Set90	Ravi Sethi. 1990. Programming Languages: Concepts and Constructs . Addison-Wesley, Reading, Mass.
SF99	K. M. Schmidt and E. Fehr 1999. A Theory of Fairness, Competition, and Cooperation . <i>Quarterly Journal of Economics</i> , 114(3): 817-868.
SFD99	R. Studer, D. Fensel, S. Decker and V.R. Benjamins. 1999. Knowledge engineering: survey and future directions . In <i>XPS:99 Knowledge-based systems, survey and future directions</i> (ed. F. Puppe); Springer-Verlag (link)
SG92	M.L.G. Shaw and B.R. Gaines. 1992. Kelly's geometry of psychological space and its significance for cognitive modeling . <i>The New Psychologist</i> pages 23-31. (link)
SG93	John E. E. Sharpe and Eric M. Goodwin. 1993. A Structured Inter-Disciplinary Approach to Complex Product Design . In <i>Proceedings of ICED 93, 9th International Conference on Engineering Design</i> (ed. N. F. M. Roozenburg); Dr. Vladimir Hubka. pages 1578-1585.
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SGK92	K. Sycara, R. Guttal, J. Koning, S. Narasimhan and D. Navinchandra. 1992. CADET: a Case-based Synthesis Tool for Engineering Design . <i>International Journal of Expert Systems</i>
SGL02	S. J. Salend, J. Gordon and K. Lopez-Vona 2002. Evaluating - Cooperative Teaching Teams . <i>Intervention in School and Clinic</i> , 37(4): 195-200.
SGM96	C. Sierra, L. Godo, R.L. de Mantaras and M. Manzano. 1996. Descriptive dynamic logic and its application to reflective architectures . <i>Future Generation Computer Systems</i> , 12:157-171.
Sgo93	N.M. Sgouros. 1993. Representing physical and design knowledge in innovative design . !PhD Thesis; Computer Science, Northwestern University.
Sgo98	N.M. Sgouros. 1998. Interaction between physical and design knowledge in design from physical principles . <i>Engineering Applications of Artificial Intelligence</i> , 11:449-459.
SH00	S.M. Sbenaty and C. House. 2000. SEATEC: an innovative approach to engineering and technology curriculum development .
SH98	P. Subasic and K. Hirota. 1998. Similarity rules and gradual rules for analogical and interpolative reasoning with imprecise data . <i>Fuzzy Sets and Systems</i> , 96:53-75.
Sha03	O. Shai. 2003. Design through common graph representations . Proc ASME DETC, Paper DTM-48659 (link)
Sha05	S. Shah. 2005. Controversy and stability: How wikis have productive conflict . <i>Proc Wikimania 2005</i> . Accessed 28 Dec 2005. (link)
Sha06	G. Shank. 2006. Six alternatives to mixed methods in qualitative research . <i>Qualitative Research in Psychology</i> , 3: 346-356.
Sha95	Jami J. Shah. 1995. Position Paper .
Sha95a	J.E.E. Sharpe. 1995. Computer tools for integrated conceptual design . <i>Design Studies</i> , 16:471-488.
SHN01	J.H. Saleh, D.E. Hastings and D.J. Newman. 2001. Extracting the essence of flexibility in system design . Working Paper #2001-04. MIT, Cambridge, Mass. (link)

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Shu95	Jon A. Shupe. 1995. Position Paper: Design Engineering Re-Education/Retraining .
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Sim81	Herbert A. Simon (eds). 1981. The Sciences of the Artificial . The MIT Press, Cambridge, Massachusetts.
Sim87	P. Simons. 1987. Parts, A Study in Ontology . Clarendon Press, Oxford.
Sim94	G. Simmons. 1994. Shapes, Part Structures and Object Concepts . In <i>Proceedings of the ECAI Workshop on Parts and Wholes: Conceptual Part-Whole Relations and Formal Mereology</i> , Amsterdam
Sin96	Nanua Singh. 1996. Systems Approach to Computer-Integrated Design and Manufacturing . John Wiley and Sons, Inc., New York.
SJ00	A.P. Sage and J.E. Armstrong Jr 2000. Introduction to systems engineering . Wiley Series in Systems Engineering.
SJL98	S. Sheppard, M. Johnson and L. Leifer. 1998. A model for peer and student involvement in formative course assessment . <i>J Eng Education</i> pages 349-354.
SJU96	J.J. Shah, D.K. Jeon, S.D. Urban, P. Bliznakov and M. Rogers. 1996. Database infrastructure for supporting engineering design histories . <i>Computer-Aided Design</i> , 28(5):347-360.
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