

Alain Bernard

List of Publications by Year in descending order

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205
papers

6,210
citations

117625

34
h-index

79698

73
g-index

215
all docs

215
docs citations

215
times ranked

4480
citing authors

#	ARTICLE	IF	CITATIONS
1	An Activity-Based Costing Model for Additive Manufacturing. IFIP Advances in Information and Communication Technology, 2022, , 492-507.	0.7	1
2	Online order scheduling of multi 3D printing tasks based on the additive manufacturing cloud platform. Journal of Manufacturing Systems, 2022, 63, 23-34.	13.9	16
3	Lightweight porous support structure design for additive manufacturing via knowledge-based bio-inspired volume generation and lattice configuration. Virtual and Physical Prototyping, 2022, 17, 894-918.	10.4	6
4	A toolpath-based layer construction method for designing & printing porous structure. CIRP Annals - Manufacturing Technology, 2021, 70, 123-126.	3.6	10
5	A Fuzzy Accident Risk Analysis Approach for a Concurrent Engineering Platform. IFIP Advances in Information and Communication Technology, 2021, , 351-360.	0.7	1
6	Stiffness modulation for soft robot joint via lattice structure configuration design. Procedia CIRP, 2021, 100, 732-737.	1.9	2
7	A constructive solid geometry-based generative design method for additive manufacturing. Additive Manufacturing, 2021, 41, 101952.	3.0	10
8	Factors Influencing the Integration of Product and Service Design in Product-Service System Development. Computer-Aided Design and Applications, 2021, 19, 91-102.	0.6	0
9	Foam additive manufacturing technology: main characteristics and experiments for hull mold manufacturing. Rapid Prototyping Journal, 2021, 27, 1489-1500.	3.2	3
10	Support point determination for support structure design in additive manufacturing. Additive Manufacturing, 2021, 47, 102341.	3.0	12
11	A knowledge-based collaborative platform for PSS design and production. CIRP Journal of Manufacturing Science and Technology, 2020, 29, 220-231.	4.5	19
12	Intelligent assistant system as a context-aware decision-making support for the workers of the future. Computers and Industrial Engineering, 2020, 139, 105732.	6.3	28
13	Design for additive manufacturing: Framework and methodology. CIRP Annals - Manufacturing Technology, 2020, 69, 578-599.	3.6	165
14	Knowledge management for modeled Heritage objects, requirement specifications towards a tool for heterogeneity embracing. International Journal on Interactive Design and Manufacturing, 2020, 14, 1337-1345.	2.2	3
15	Bio-inspired generative design for support structure generation and optimization in Additive Manufacturing (AM). CIRP Annals - Manufacturing Technology, 2020, 69, 117-120.	3.6	64
16	A Product-Process Model for Decision-Aid Perspective in Additive Manufacturing Field. Computer-Aided Design and Applications, 2020, 17, 1278-1293.	0.6	3
17	Functional, Technical and Economical Requirements Integration for Additive Manufacturing Design Education. , 2019, , 171-185.		4
18	Interface modeling for product-service system integration. Systems Engineering, 2019, 22, 471-484.	2.7	3

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19	Knowledge-based platform for traceability and simulation monitoring applied to design of experiments process: an open source architecture. <i>Journal of Engineering Design</i> , 2019, 30, 311-335.	2.3	4
20	Ontology-based knowledge representation for additive manufacturing. <i>Computers in Industry</i> , 2019, 109, 182-194.	9.9	65
21	Optimised lattice structure configuration for additive manufacturing. <i>CIRP Annals - Manufacturing Technology</i> , 2019, 68, 117-120.	3.6	46
22	A statistical method for build orientation determination in additive manufacturing. <i>Rapid Prototyping Journal</i> , 2019, 25, 187-207.	3.2	41
23	Conceptual Design. , 2019, , 348-355.		0
24	Managing Collaborations between Medical and Engineering Actors in Case of Prosthesis Implantation: A PLM-Based Approach. <i>Computer-Aided Design and Applications</i> , 2019, 16, 1003-1019.	0.6	1
25	A modular-based approach for Just-In-Time Specification of customer orders in the aircraft manufacturing industry. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2018, 21, 61-74.	4.5	19
26	Customer feedback gathering and management tools for product-service system design. <i>Procedia CIRP</i> , 2018, 67, 577-582.	1.9	28
27	An overview of knowledge sharing in new product development. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 94, 1545-1550.	3.0	54
28	Gathering, evaluating and managing customer feedback during aircraft production. <i>Computers and Industrial Engineering</i> , 2018, 115, 559-572.	6.3	24
29	Industrial Product-Service System modelling base on Systems Engineering: Application of sensor integration to support smart services. <i>IFAC-PapersOnLine</i> , 2018, 51, 1586-1591.	0.9	13
30	Modular design of production systems tailored to regional market requirements: A Frugal Innovation perspective. <i>IFAC-PapersOnLine</i> , 2018, 51, 96-101.	0.9	4
31	A Meta-model for Product-Service System based on Systems Engineering approach. <i>Procedia CIRP</i> , 2018, 73, 39-44.	1.9	14
32	Extension of the Virtual Customer Inspection for Distant Collaboration in NPD. , 2018, , .		3
33	A framework for automatic architectural synthesis in conceptual design phase. <i>Journal of Engineering Design</i> , 2018, 29, 665-689.	2.3	3
34	A KBE CAPP framework for qualified additive manufacturing. <i>CIRP Annals - Manufacturing Technology</i> , 2018, 67, 467-470.	3.6	17
35	A new method for single-layer-part nesting in additive manufacturing. <i>Rapid Prototyping Journal</i> , 2018, 24, 840-854.	3.2	23
36	Modularity as a support for frugal product and supplier network co-definition under regional market constraints: a mirroring hypothesis application. <i>International Journal of Production Research</i> , 2018, 56, 6575-6590.	7.5	15

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37	Modeling Manufacturing Resources: An Ontological Approach. IFIP Advances in Information and Communication Technology, 2018, , 304-313.	0.7	10
38	Ontology-Based Framework Enabling Smart Product-Service Systems: Application of Sensing Systems for Machine Health Monitoring. IEEE Internet of Things Journal, 2018, 5, 4496-4505.	8.7	45
39	Conceptual Design. , 2018, , 1-8.		0
40	Product and Service Variety Versus Internal Performance: Toward New Balances. Springer Proceedings in Business and Economics, 2018, , 581-594.	0.3	2
41	Build orientation optimization for multi-part production in additive manufacturing. Journal of Intelligent Manufacturing, 2017, 28, 1393-1407.	7.3	129
42	Physical assembly sequence optimisation for developing an integrated 3D reconstruction method. Virtual and Physical Prototyping, 2017, 12, 173-190.	10.4	0
43	Facet-based approach for the management of information multi points-of-view in product modeling. Computer-Aided Design and Applications, 2017, 14, 582-594.	0.6	5
44	PSS Pattern Concept for Knowledge Representation in Design Process of Industrial Product-service Systems. Procedia CIRP, 2017, 60, 428-433.	1.9	5
45	Design, management and control of demanufacturing and remanufacturing systems. CIRP Annals - Manufacturing Technology, 2017, 66, 585-609.	3.6	156
46	Systems Engineering as a Foundation for PSS Development Project: Motivations and Perspectives. Procedia CIRP, 2017, 64, 205-210.	1.9	8
47	Applying PLM approach for supporting collaborations in medical sector: case of prosthesis implantation. Lecture Notes in Mechanical Engineering, 2017, , 871-878.	0.4	1
48	Collaboration management framework for OEM "suppliers relationships: a trust-based conceptual approach. Enterprise Information Systems, 2017, 11, 1018-1042.	4.7	11
49	A sensor ontology enabling service implementation in Industrial Product-Service Systems. IFAC-PapersOnLine, 2017, 50, 13059-13064.	0.9	6
50	Framework for historical knowledge management in museology. International Journal of Product Lifecycle Management, 2017, 10, 44.	0.3	0
51	A Tailored Ontology Supporting Sensor Implementation for the Maintenance of Industrial Machines. Sensors, 2017, 17, 2063.	3.8	16
52	Modular Architectures Management with PLM for the Adaptation of Frugal Products to Regional Markets. IFIP Advances in Information and Communication Technology, 2017, , 462-472.	0.7	3
53	Managing resource learning in distributed organisations with the organisational capability approach. International Journal of Technology Management, 2016, 70, 300.	0.5	9
54	Design for Additive Manufacturing: Trends, opportunities, considerations, and constraints. CIRP Annals - Manufacturing Technology, 2016, 65, 737-760.	3.6	1,291

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55	An Onto-Based Interoperability Framework for the Connection of PLM and Production Capability Tools. IFIP Advances in Information and Communication Technology, 2016, , 134-145.	0.7	6
56	Linking Modular Product Structure to Suppliersâ€™ Selection Through PLM Approach: A Frugal Innovation Perspective. IFIP Advances in Information and Communication Technology, 2016, , 227-237.	0.7	4
57	Leveraging feature information for defeaturing sheet metal feature-based CAD part model. Computer-Aided Design and Applications, 2016, 13, 885-898.	0.6	4
58	Towards a knowledge based framework for numerical design of experiment optimization and management. Computer-Aided Design and Applications, 2016, 13, 872-884.	0.6	6
59	Build Orientation Determination for Multi-material Deposition Additive Manufacturing with Continuous Fibers. Procedia CIRP, 2016, 50, 414-419.	1.9	34
60	Technology-based Product-services for Supporting Frugal Innovation. Procedia CIRP, 2016, 47, 126-131.	1.9	19
61	Supervised Process of Un-structured Data Analysis for Knowledge Chaining. Procedia CIRP, 2016, 50, 436-441.	1.9	2
62	Co-Definition of Product Structure and Production Network for Frugal Innovation Perspectives: Towards a Modular-based Approach. Procedia CIRP, 2016, 50, 589-594.	1.9	24
63	Accessing enterprise knowledge: A context-based approach. CIRP Annals - Manufacturing Technology, 2016, 65, 189-192.	3.6	12
64	Group multi-criteria design concept evaluation using combined rough set theory and fuzzy set theory. Expert Systems With Applications, 2016, 64, 633-644.	7.6	97
65	Context-awareness: A Key Enabler for Ubiquitous Access to Manufacturing Knowledge. Procedia CIRP, 2016, 41, 484-489.	1.9	19
66	Two-dimensional placement optimization for multi-parts production in additive manufacturing. Robotics and Computer-Integrated Manufacturing, 2016, 38, 102-117.	9.9	54
67	Feature based building orientation optimization for additive manufacturing. Rapid Prototyping Journal, 2016, 22, 358-376.	3.2	74
68	Computational Design Synthesis Using Model-Driven Engineering and Constraint Programming. Lecture Notes in Computer Science, 2016, , 265-273.	1.3	6
69	Knowledge and Information Structuring in Reverse Engineering of Mechanical Systems. IFIP Advances in Information and Communication Technology, 2016, , 418-427.	0.7	1
70	SDM Framework as a Support for Decision-Making Traceability in Design of Experiments Process. IFIP Advances in Information and Communication Technology, 2016, , 275-285.	0.7	0
71	Conceptual framework for enhancing knowledge reuse in PLM environment with the concept of digital factory assistant. International Journal of Product Lifecycle Management, 2015, 8, 330.	0.3	2
72	Activity theory based context model: application for enterprise intelligent assistant systems. IFAC-PapersOnLine, 2015, 48, 834-839.	0.9	5

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73	Trust-based patterns for the management of inter-enterprises collaborations in context of extended enterprise. IFAC-PapersOnLine, 2015, 48, 1186-1191.	0.9	6
74	Towards a holistic sustainability index for measuring sustainability of manufacturing companies. International Journal of Production Research, 2015, 53, 4117-4139.	7.5	103
75	Differentiation and customer decoupling points: An integrated design approach for mass customization. Concurrent Engineering Research and Applications, 2015, 23, 284-295.	3.2	15
76	DHRM: A new model for PLM dedicated to product design heritage. CIRP Annals - Manufacturing Technology, 2015, 64, 161-164.	3.6	7
77	Tailoring performance evaluation to specific industrial contexts – application to sustainable mass customisation enterprises. International Journal of Production Research, 2015, 53, 2439-2456.	7.5	24
78	Knowledge Based and PLM Facilities for Sustainability Perspective in Manufacturing: A Global Approach. Procedia CIRP, 2015, 29, 203-208.	1.9	12
79	Fast adaptive modeling method for build time estimation in Additive Manufacturing. CIRP Journal of Manufacturing Science and Technology, 2015, 10, 49-60.	4.5	38
80	Numerical analysis of geometrical and aerodynamic enhancements of a birdlike wing. Engineering Computations, 2015, 32, 86-101.	1.4	0
81	Fabrication additive et besoins en contr�le. , 2015, , .		0
82	Toward a Methodological Knowledge based Approach for Partial Automation of Reverse Engineering. Procedia CIRP, 2014, 21, 270-275.	1.9	11
83	Value network modelling and simulation for strategic analysis: a discrete event simulation approach. International Journal of Production Research, 2014, 52, 5002-5020.	7.5	26
84	Value networks: pulling the triggers. A combined approach of modelling and simulation for performance evaluation. International Journal of Computer Integrated Manufacturing, 2014, 27, 609-623.	4.6	4
85	Design: A Key Stage of Product Lifecycle. Procedia CIRP, 2014, 21, 3-9.	1.9	13
86	Augmented historical scale model for museums. , 2014, , .		7
87	Evaluating the Design for Additive Manufacturing: A Process Planning Perspective. Procedia CIRP, 2014, 21, 144-150.	1.9	49
88	Interoperability Framework for Supporting Information-Based Assistance in the Factory. IFIP Advances in Information and Communication Technology, 2014, , 301-310.	0.7	0
89	Variety Steering Towards Sustainability: A Coupled Evaluation and Optimization Approach. Lecture Notes in Computer Science, 2014, , 170-177.	1.3	0
90	A new decision support method for the selection of RP process: knowledge value measuring. International Journal of Computer Integrated Manufacturing, 2014, 27, 747-758.	4.6	28

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91	New methodology to reduce the transmission error of the spiral bevel gears. CIRP Annals - Manufacturing Technology, 2014, 63, 165-168.	3.6	22
92	A dynamic methodology and associated tools to assess organizational capabilities. Computers in Industry, 2014, 65, 158-174.	9.9	3
93	Knowledge evaluation in product lifecycle design and support. Knowledge-Based Systems, 2014, 70, 256-267.	7.1	25
94	Grouping Parts for Multiple Parts Production in Additive Manufacturing. Procedia CIRP, 2014, 17, 308-313.	1.9	21
95	Analyzing Single and Multiple Customer Order Decoupling Point Positioning based on Customer Value: A Multi-objective Approach. Procedia CIRP, 2014, 17, 669-674.	1.9	12
96	Tools and techniques for product design. CIRP Annals - Manufacturing Technology, 2014, 63, 607-630.	3.6	79
97	An integrated decision-making model for multi-attributes decision-making (MADM) problems in additive manufacturing process planning. Rapid Prototyping Journal, 2014, 20, 377-389.	3.2	51
98	A double-loop learning system for knowledge transfer and reuse in groups: application of a roadmapping approach. International Journal of Knowledge and Learning, 2014, 9, 63.	0.2	3
99	A methodology supporting syntactic, lexical and semantic clarification of requirements in systems engineering. International Journal of Product Development, 2014, 19, 173.	0.2	6
100	Multi-physics Simulation for Product-service Performance Assessment. Procedia CIRP, 2014, 16, 21-25.	1.9	5
101	Proposal for an Architectural Solution for Economic and Environmental Global Eco-Cost Assessment: Model Combination Analysis. Springer Series in Advanced Manufacturing, 2014, , 239-256.	0.5	2
102	Conceptual Design. , 2014, , 275-281.		5
103	CAD model based virtual assembly simulation, planning and training. CIRP Annals - Manufacturing Technology, 2013, 62, 799-822.	3.6	134
104	Thick composite design for hydrogen vessels: A contribution to composite design method. CIRP Annals - Manufacturing Technology, 2013, 62, 139-142.	3.6	1
105	A Group Decision-making Method based on Intuitionistic Fuzzy Set in the Three Dimensional Concurrent Engineering Environment: A Multi-Objective Programming Approach. Procedia CIRP, 2013, 7, 533-538.	1.9	14
106	A multi-objective programming approach, integrated into the TOPSIS method, in order to optimize product design; in three-dimensional concurrent engineering. Computers and Industrial Engineering, 2013, 64, 875-885.	6.3	69
107	Toward a cognitive based approach for knowledge structuring. , 2013, , .		2
108	Systemic modeling of knowledge for innovation in design. CIRP Journal of Manufacturing Science and Technology, 2013, 6, 1-12.	4.5	17

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109	The evolution, challenges, and future of knowledge representation in product design systems. CAD Computer Aided Design, 2013, 45, 204-228.	2.7	458
110	5-axis flank milling: A state-of-the-art review. CAD Computer Aided Design, 2013, 45, 796-808.	2.7	80
111	A new methodology to optimize spiral bevel gear topography. CIRP Annals - Manufacturing Technology, 2013, 62, 119-122.	3.6	29
112	Product variety management. CIRP Annals - Manufacturing Technology, 2013, 62, 629-652.	3.6	448
113	A quantitative model on knowledge management for team cooperation. Knowledge-Based Systems, 2013, 45, 41-46.	7.1	7
114	Digital Factory Assistant: Conceptual Framework and Research Propositions. IFIP Advances in Information and Communication Technology, 2013, , 500-509.	0.7	0
115	Co-working for Knowledge Management in Cultural Heritage: Towards a PLM for Museum. IFIP Advances in Information and Communication Technology, 2013, , 317-325.	0.7	5
116	Using AM feature and multi-attribute decision making to orientate part in Additive Manufacturing. , 2013, , 411-416.		12
117	Improvement of Product Design Process by Knowledge Value Analysis. , 2013, , 207-216.		0
118	Knowledge Management in E-commerce Mass Customization. IFIP Advances in Information and Communication Technology, 2013, , 259-267.	0.7	3
119	Towards the factory of future an integrated approach of material-processes-information-human being. , 2012, , .		8
120	Intelligent Reverse-Engineering Segmentation: Automatic Semantic Recognition of Large 3D Digitalized Cloud of Points Dedicated to Heritage Objects. , 2012, , .		3
121	A New Integration Framework for Modeling and Optimizing Systems in Preliminary Design Phase. , 2012, , .		1
122	Sustainable Mass Customized Enterprise: Key Concepts, Enablers and Assessment Techniques. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 522-527.	0.4	9
123	Knowledge Based Reverse Engineering Methodology. , 2012, , .		1
124	Generic PLM system for SMEs: application to an equipment manufacturer. International Journal of Product Lifecycle Management, 2012, 6, 51.	0.3	27
125	Extended value network modelling and simulation for mass customization implementation. Journal of Intelligent Manufacturing, 2012, 23, 2427-2439.	7.3	19
126	Advanced virtual reality visualization systems based on a meta-model dedicated to historical knowledge. , 2012, , .		2

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127	Conceptual model and IT system for organizational capability management. Computers in Industry, 2012, 63, 706-722.	9.9	7
128	Rapid manufacturing of metallic objects. Rapid Prototyping Journal, 2012, 18, 264-280.	3.2	100
129	An Information System for Driving the Future PLM for Museum: The DHRM, Digital Heritage Reference Model. , 2012, , .		1
130	A Sustainability and Mass Customization Assessment Framework. , 2012, , .		2
131	VCS: value chains simulator, a tool for value analysis of manufacturing enterprise processes (a Tj ETQq1 1 0.784314,rgBT /Overlock 10 7.3 20		
132	Improving design for recycling " Application to composites. CIRP Annals - Manufacturing Technology, 2012, 61, 151-154.	3.6	49
133	Topological model for machining of parts with complex shapes. Computers in Industry, 2012, 63, 528-541.	9.9	13
134	Mass Customisation as a Competitive Factor for Sustainability. , 2012, , 18-25.		3
135	A hybrid method to select best process and suppliers, in the concurrent engineering environment. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6402-6406.	0.4	3
136	An integrated method using intuitionistic fuzzy set and linear programming for supplier selection problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6391-6395.	0.4	7
137	Grammatical and Semantic Disambiguation of Requirements at Elicitation and Representation Stages. , 2011, , .		1
138	Design for mass customization: Product variety vs. process variety. CIRP Annals - Manufacturing Technology, 2011, 60, 169-174.	3.6	72
139	Benefits and limitations of parametric design implementation in helicopter gearbox design phase. CIRP Annals - Manufacturing Technology, 2011, 60, 199-202.	3.6	8
140	Weld bead modeling and process optimization in Hybrid Layered Manufacturing. CAD Computer Aided Design, 2011, 43, 331-344.	2.7	189
141	Quantifying the value of knowledge within the context of product development. Knowledge-Based Systems, 2011, 24, 166-175.	7.1	45
142	An approach to optimise an avatar trajectory in a virtual workplace. International Journal of Computer Integrated Manufacturing, 2011, 24, 95-105.	4.6	2
143	Proposal and evaluation of a KBE"RM selection system. Rapid Prototyping Journal, 2011, 17, 236-246.	3.2	15
144	Managing Knowledge Management Tools: A Systematic Classification and Comparison. , 2011, , .		9

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145	Framework for Product Lifecycle Management integration in Small and Medium Enterprises Networks. Computer-Aided Design and Applications, 2011, 8, 531-544.	0.6	33
146	Analysis of the bullet nose of an aero-engine for bird impact through virtual and rapid prototyping. Virtual and Physical Prototyping, 2011, 6, 121-130.	10.4	2
147	Eco Global Evaluation: Cross Benefits of Economic and Ecological Evaluation. , 2011, , 681-686.		3
148	Performance Factory in the context of mass customization. , 2010, , .		1
149	Determining the CODP position by value network modeling and simulation. , 2010, , .		3
150	Offline adaptive control. International Journal of Machining and Machinability of Materials, 2010, 8, 356.	0.1	0
151	Proposition of a human performance analysis agent. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 83-88.	0.4	0
152	A development in energy flow/barrier analysis. Safety Science, 2010, 48, 598-606.	4.9	5
153	RFBS: A model for knowledge representation of conceptual design. CIRP Annals - Manufacturing Technology, 2010, 59, 155-158.	3.6	88
154	Measurement of enterprise knowledge by state characterization. Expert Systems, 2010, 27, 374-387.	4.5	7
155	Knowledge value chain: an effective tool to measure knowledge value. International Journal of Computer Integrated Manufacturing, 2010, 23, 957-967.	4.6	25
156	Hybrid rapid manufacturing of metallic objects. International Journal of Rapid Manufacturing, 2010, 1, 433.	0.5	16
157	Knowledge Sharing and Communities of Practices for Intra-organizational Interoperability. , 2010, , 397-406.		0
158	Sustainable Organizational Learning in Group: A Digital Double-Loop System Based on Knowledge Maturity and Performance Assessment. Advances in Intelligent and Soft Computing, 2010, , 1769-1786.	0.2	1
159	Designing and Managing Organizational Interoperability with Organizational Capabilities and Roadmaps. , 2009, , .		5
160	Evolutions of rapid product development with rapid manufacturing: concepts and applications. International Journal of Rapid Manufacturing, 2009, 1, 3.	0.5	27
161	Annotations to improve the using and the updating of digital technical publications. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2009, 20, 157-170.	2.1	8
162	An integrated knowledge reference system for product development. CIRP Annals - Manufacturing Technology, 2009, 58, 119-122.	3.6	31

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163	Global approach for technical data management. Application to ship equipment part families. CIRP Journal of Manufacturing Science and Technology, 2009, 1, 185-190.	4.5	9
164	A framework to develop an analysis agent for evaluating human performance in manufacturing systems. CIRP Journal of Manufacturing Science and Technology, 2009, 2, 55-60.	4.5	30
165	How to Build Web Self-Service by Functional Profiles?. , 2009, , .		0
166	OPAS: Ontology Processing for Assisted Synthesis of Conceptual Design Solutions. , 2009, , .		5
167	Progress management in performance-driven systems: study of the 5StepsÂ® roadmapping, a solution for managing organizational capabilities and their learning curves. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1370-1375.	0.4	5
168	Knowledge Organization Through Statistical Computation: A New Approach. Knowledge Organization, 2009, 36, 227-239.	0.2	7
169	Proposal for tool-based method of product cost estimation during conceptual design. Journal of Engineering Design, 2008, 19, 159-172.	2.3	22
170	Advanced industrial archaeology: A new reverse-engineering process for contextualising and digitising ancient technical objects. Virtual and Physical Prototyping, 2008, 3, 105-122.	10.4	21
171	Processing Knowledge to Support Knowledge-based Engineering Systems Specification. Concurrent Engineering Research and Applications, 2008, 16, 89-101.	3.2	36
172	Specification management for the cost constraint optimisation in microelectronic design. International Journal of Manufacturing Technology and Management, 2008, 15, 284.	0.1	0
173	An Overview on Knowledge Management. , 2008, , 3-21.		22
174	FBS-PPRE, an Enterprise Knowledge Lifecycle Model. , 2008, , 285-305.		23
175	Knowledge Management for Industrial Heritage. , 2008, , 307-330.		0
176	Virtual engineering based on knowledge integration. Virtual and Physical Prototyping, 2007, 2, 137-154.	10.4	19
177	3D Digitizing Strategy Planning Approach Based on a CAD Model. Journal of Computing and Information Science in Engineering, 2007, 7, 10-19.	2.7	15
178	Virtual hands and virtual reality multimodal platform to design safer industrial systems. Computers in Industry, 2007, 58, 46-56.	9.9	52
179	Impact of New 3D Numerical Devices and Environments on Redesign and Valorisation of Mechanical Systems. CIRP Annals - Manufacturing Technology, 2007, 56, 143-148.	3.6	12
180	Concurrent cost engineering for decisional and operational process enhancement in a foundry. International Journal of Production Economics, 2007, 109, 2-11.	8.9	12

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181	Virtual Hands for Risk Prevention Integration in Human-Computer Interactions. , 2006, , .		1
182	Information system based on a working situation model for a new design approach in concurrent engineering. Journal of Engineering Design, 2006, 17, 35-54.	2.3	23
183	Customised high-value document generation. CIRP Annals - Manufacturing Technology, 2005, 54, 123-126.	3.6	11
184	Virtual engineering: Methods and tools. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2005, 219, 413-421.	2.4	20
185	Quotation for the Value Added Assessment during Product Development and Production Processes. , 2004, , 35-44.		4
186	Integrating safety into the design process: elements and concepts relative to the working situation. Safety Science, 2003, 41, 155-179.	4.9	55
187	Integration of CAD and rapid manufacturing for sand casting optimisation. Rapid Prototyping Journal, 2003, 9, 327-333.	3.2	40
188	Fundamental concepts of product/technology/process informational integration for process modelling and process planning. International Journal of Computer Integrated Manufacturing, 2003, 16, 557-565.	4.6	22
189	An original approach for the memorisation and the generation of rapid product development processes. Rapid Prototyping Journal, 2003, 9, 58-67.	3.2	10
190	Proposal of a New Design Approach Integrating the Concept of the Working Situation. , 2003, , 379-390.		2
191	Working situation model for safety integration during design phase. CIRP Annals - Manufacturing Technology, 2002, 51, 119-122.	3.6	14
192	New Trends in Rapid Product Development. CIRP Annals - Manufacturing Technology, 2002, 51, 635-652.	3.6	132
193	<title>Integrated environment for the inspection of complex parts</title>. , 2001, , .		0
194	Rapid product development case studies and data integration analysis. Computers in Industry, 2000, 43, 161-172.	9.9	7
195	<title>Computer-aided process planning for rapid prototyping</title>. , 1999, 3833, 63.		3
196	<title>Reverse engineering for rapid product development: a state of the art</title>. , 1999, , .		7
197	Analysis and Validation of 3D Laser Sensor Scanning Process. CIRP Annals - Manufacturing Technology, 1999, 48, 111-114.	3.6	21
198	<title>Using rapid prototyping for new products development: application to jewelry design</title>. , 1997, , .		3

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199	<title>Interactive use of 3D digitizing and CAD methods for roofing tiles models and die wear study</title>. , 1997, , .		0
200	<title>Quality insurance for optimal parameters determination for stereolithography process</title>. , 1997, , .		1
201	<title>Rapid product development: project engineering joined to design engineering in a concurrent engineering context</title>. , 1997, 2910, 166.		0
202	Feature-Based CAPP System for the Machining of Dies. , 1996, , .		1
203	The feature approach for the integrated design and machining of forming dies. Robotics and Computer-Integrated Manufacturing, 1993, 10, 71-76.	9.9	3
204	A fuzzy approach for definition of dangerous zone in industrial systems. , 0, , .		6
205	Real-Time Finite Element Finger Pinch Grasp Simulation. , 0, , .		8