

Rajkumar Roy

List of Publications by Year in descending order

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201
papers

8,322
citations

94433

37
h-index

51608

86
g-index

215
all docs

215
docs citations

215
times ranked

5221
citing authors

#	ARTICLE	IF	CITATIONS
1	State-of-the-art in product-service systems. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2007, 221, 1543-1552.	2.4	1,380
2	Industrial Product-Service Systemsâ€”IPS 2. CIRP Annals - Manufacturing Technology, 2010, 59, 607-627.	3.6	816
3	Critical success factors for lean implementation within SMEs. Journal of Manufacturing Technology Management, 2006, 17, 460-471.	6.4	708
4	A systematic review of augmented reality applications in maintenance. Robotics and Computer-Integrated Manufacturing, 2018, 49, 215-228.	9.9	504
5	A review of productâ€”service systems design methodologies. Journal of Engineering Design, 2012, 23, 635-659.	2.3	295
6	Continuous maintenance and the future â€” Foundations and technological challenges. CIRP Annals - Manufacturing Technology, 2016, 65, 667-688.	3.6	221
7	Computer assisted customer churn management: State-of-the-art and future trends. Computers and Operations Research, 2007, 34, 2902-2917.	4.0	213
8	Recent advances in engineering design optimisation: Challenges and future trends. CIRP Annals - Manufacturing Technology, 2008, 57, 697-715.	3.6	174
9	A Review of Multi-criteria Decision Making Methods for Enhanced Maintenance Delivery. Procedia CIRP, 2015, 37, 30-35.	1.9	135
10	Understanding service uncertainties in industrial productâ€”service system cost estimation. International Journal of Advanced Manufacturing Technology, 2011, 52, 1223-1238.	3.0	129
11	Evolutionary computing in manufacturing industry: an overview of recent applications. Applied Soft Computing Journal, 2005, 5, 281-299.	7.2	125
12	Cost modelling techniques for availability type service support contracts: A literature review and empirical study. CIRP Journal of Manufacturing Science and Technology, 2010, 3, 142-157.	4.5	120
13	A systematic review of Augmented Reality content-related techniques for knowledge transfer in maintenance applications. Computers in Industry, 2018, 103, 47-71.	9.9	118
14	Challenges in enterprise resource planning implementation: stateâ€”ofâ€”theâ€”art. Business Process Management Journal, 2010, 16, 537-565.	4.2	115
15	Overview of Remaining Useful Life Prediction Techniques in Through-life Engineering Services. Procedia CIRP, 2014, 16, 158-163.	1.9	112
16	A framework to create key performance indicators for knowledge management solutions. Journal of Knowledge Management, 2003, 7, 46-62.	5.1	87
17	Operations strategy for the effective delivery of integrated industrial productâ€”service offerings. International Journal of Operations and Production Management, 2011, 31, 579-603.	5.9	86
18	Technical productâ€”service systems: some implications for the machine tool industry. Journal of Manufacturing Technology Management, 2009, 20, 700-722.	6.4	78

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19	A competitive framework for industrial product-service systems. International Journal of Internet Manufacturing and Services, 2009, 2, 4.	0.1	77
20	A knowledge management framework to support product-service systems design. International Journal of Computer Integrated Manufacturing, 2009, 22, 1073-1088.	4.6	76
21	Digital twins: Understanding the added value of integrated models for through-life engineering services. Procedia Manufacturing, 2018, 16, 139-146.	1.9	73
22	Improving efficiency of industrial maintenance with context aware adaptive authoring in augmented reality. CIRP Annals - Manufacturing Technology, 2017, 66, 465-468.	3.6	72
23	Cost Engineering for manufacturing: Current and future research. International Journal of Computer Integrated Manufacturing, 2012, 25, 300-314.	4.6	68
24	Bi-level optimisation using genetic algorithm. , 0, , .		62
25	Expert Judgement in Cost Estimating: Modelling the Reasoning Process. Concurrent Engineering Research and Applications, 2001, 9, 271-284.	3.2	61
26	Obsolescence management for long-life contracts: state of the art and future trends. International Journal of Advanced Manufacturing Technology, 2010, 49, 1235-1250.	3.0	57
27	An Innovative Process to Select Augmented Reality (AR) Technology for Maintenance. Procedia CIRP, 2017, 59, 23-28.	1.9	57
28	An introduction to capturing and understanding the cognitive behaviour of design engineers. Journal of Engineering Design, 2007, 18, 311-325.	2.3	55
29	Developing a service knowledge reuse framework for engineering design. Journal of Engineering Design, 2009, 20, 389-411.	2.3	55
30	A design framework for adaptive digital twins. CIRP Annals - Manufacturing Technology, 2020, 69, 145-148.	3.6	55
31	User-centric design and Kansei Engineering. CIRP Journal of Manufacturing Science and Technology, 2009, 1, 172-178.	4.5	48
32	Identifying uncertainties for industrial service delivery: a systems approach. International Journal of Production Research, 2013, 51, 6295-6315.	7.5	47
33	Intelligent decision support for maintenance: an overview and future trends. International Journal of Computer Integrated Manufacturing, 2019, 32, 936-959.	4.6	45
34	Process and knowledge management in a collaborative maintenance planning system for high value machine tools. Computers in Industry, 2017, 84, 14-24.	9.9	44
35	Detailed cost estimating in the automotive industry: Data and information requirements. International Journal of Production Economics, 2011, 133, 694-707.	8.9	43
36	Through-Life Engineering Services. Measurement and Control, 2013, 46, 172-175.	1.8	41

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37	Quantitative and qualitative cost estimating for engineering design. Journal of Engineering Design, 2001, 12, 147-162.	2.3	40
38	Manufacturing at double the speed. Journal of Materials Processing Technology, 2016, 229, 729-757.	6.3	40
39	Augmented Reality in Maintenance: An information-centred design framework. Procedia Manufacturing, 2018, 19, 148-155.	1.9	39
40	Evaluation of wear of turning carbide inserts using neural networks. International Journal of Machine Tools and Manufacture, 1996, 36, 789-797.	13.4	38
41	Uncertainty driven service cost estimation for decision support at the bidding stage. International Journal of Production Research, 2013, 51, 5771-5788.	7.5	38
42	A novel defect depth measurement method based on Nonlinear System Identification for pulsed thermographic inspection. Mechanical Systems and Signal Processing, 2017, 85, 382-395.	8.0	38
43	Secure IoT Devices for the Maintenance of Machine Tools. Procedia CIRP, 2017, 59, 150-155.	1.9	36
44	Operational risk analysis in business processes. BT Technology Journal, 2007, 25, 168-177.	0.5	35
45	Integrating through-life engineering service knowledge with product design and manufacture. International Journal of Computer Integrated Manufacturing, 2015, 28, 59-74.	4.6	34
46	A framework for cost evaluation in product service system configuration. International Journal of Production Research, 2017, 55, 6120-6144.	7.5	34
47	Optimisation of business process designs: An algorithmic approach with multiple objectives. International Journal of Production Economics, 2007, 109, 105-121.	8.9	33
48	Function-based cost estimating. International Journal of Production Research, 2008, 46, 2621-2650.	7.5	33
49	Predictive Maintenance Modelling for Through-Life Engineering Services. Procedia CIRP, 2017, 59, 196-201.	1.9	33
50	Designing an AR interface to improve trust in Human-Robots collaboration. Procedia CIRP, 2018, 70, 350-355.	1.9	33
51	Dynamic multi-objective optimisation for machining gradient materials. CIRP Annals - Manufacturing Technology, 2008, 57, 429-432.	3.6	32
52	A fuzzy-logic advisory system for lean manufacturing within SMEs. International Journal of Computer Integrated Manufacturing, 2012, 25, 839-852.	4.6	31
53	Investigation of recast and crack formation in laser trepanning drilling of CMSX-4 angled holes. International Journal of Advanced Manufacturing Technology, 2018, 95, 4059-4070.	3.0	30
54	A review of rolling system design optimisation. International Journal of Machine Tools and Manufacture, 2006, 46, 912-928.	13.4	29

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55	Estimation of Damage Thickness in Fiber-Reinforced Composites using Pulsed Thermography. IEEE Transactions on Industrial Informatics, 2019, 15, 445-453.	11.3	29
56	Development of a knowledge model for managing schedule disturbance in steel-making. International Journal of Production Research, 2004, 42, 3975-3994.	7.5	28
57	Cost of photochemical machining. Journal of Materials Processing Technology, 2004, 149, 460-465.	6.3	28
58	Incentive issues in performance-based outsourcing contracts in the UK defence industry: a simulation study. Production Planning and Control, 2013, 24, 359-374.	8.8	28
59	Non-destructive evaluation of localised heat damage occurring in carbon composites using thermography and thermal diffusivity measurement. Measurement: Journal of the International Measurement Confederation, 2019, 131, 706-713.	5.0	28
60	A modular hybrid simulation framework for complex manufacturing system design. Simulation Modelling Practice and Theory, 2019, 94, 14-30.	3.8	27
61	Estimating the cost of a new technology intensive automotive product: A case study approach. International Journal of Production Economics, 2005, 97, 210-226.	8.9	26
62	Evolutionary-based techniques for real-life optimisation: development and testing. Applied Soft Computing Journal, 2002, 1, 301-329.	7.2	24
63	A generic library of problem solving methods for scheduling applications. IEEE Transactions on Knowledge and Data Engineering, 2006, 18, 815-828.	5.7	24
64	A cost estimating framework for electronic, electrical and electromechanical (EEE) components obsolescence within the use-oriented productâ€service systems contracts. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 154-166.	2.4	24
65	Design Requirements Management using an Ontological Framework. CIRP Annals - Manufacturing Technology, 2005, 54, 109-112.	3.6	23
66	Productâ€service system affordability in defence and aerospace industries: state-of-the-art and current industrial practice. International Journal of Computer Integrated Manufacturing, 2012, 25, 398-416.	4.6	23
67	Product-service systems. Journal of Engineering Design, 2009, 20, 327-328.	2.3	22
68	An effective uncertainty based framework for sustainable industrial product-service system transformation. Journal of Cleaner Production, 2019, 208, 160-177.	9.3	22
69	An Ontology for Product-Service Systems. , 2011, , 231-236.		22
70	Fusion of soft computing and hard computing for large-scale plants: a general model. Applied Soft Computing Journal, 2005, 5, 265-279.	7.2	21
71	Automated in-service damage identification. CIRP Annals - Manufacturing Technology, 2014, 63, 33-36.	3.6	21
72	A coefficient clustering analysis for damage assessment of composites based on pulsed thermographic inspection. NDT and E International, 2016, 83, 59-67.	3.7	21

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73	A framework to estimate the cost of No-Fault Found events. International Journal of Production Economics, 2016, 173, 207-222.	8.9	21
74	Development of a soft computing-based framework for engineering design optimisation with quantitative and qualitative search spaces. Applied Soft Computing Journal, 2007, 7, 166-188.	7.2	20
75	An innovative uncertainty management framework to support contracting for product-service availability. Journal of Service Management, 2014, 25, 603-638.	7.2	19
76	A Design Approach to IoT Endpoint Security for Production Machinery Monitoring. Sensors, 2019, 19, 2355.	3.8	19
77	A collaborative machine tool maintenance planning system based on content management technologies. International Journal of Advanced Manufacturing Technology, 2018, 94, 1639-1653.	3.0	18
78	An innovative user-centred support tool for Augmented Reality maintenance systems design: a preliminary study. Procedia CIRP, 2018, 70, 362-367.	1.9	18
79	Data uncertainty assessment and information flow analysis for product-service systems in a library case study. International Journal of Services Operations and Informatics, 2010, 5, 330.	0.3	17
80	Degradation Study of Heat Exchangers. Procedia CIRP, 2015, 38, 137-142.	1.9	17
81	A confidence map based damage assessment approach using pulsed thermographic inspection. NDT and E International, 2018, 93, 86-97.	3.7	17
82	Rolling System Design Using Evolutionary Sequential Process Optimization. IEEE Transactions on Evolutionary Computation, 2008, 12, 196-202.	10.0	16
83	Evolutionary multi-objective design optimisation with real life uncertainty and constraints. CIRP Annals - Manufacturing Technology, 2009, 58, 169-172.	3.6	16
84	A simulation study on maintainer resource utilization of a fast jet aircraft maintenance line under availability contract. Computers in Industry, 2013, 64, 543-555.	9.9	16
85	Maintaining design intent for aircraft manufacture. CIRP Annals - Manufacturing Technology, 2013, 62, 99-102.	3.6	16
86	A novel process-linked assembly failure model for adhesively bonded composite structures. CIRP Annals - Manufacturing Technology, 2017, 66, 29-32.	3.6	16
87	The effect of trepanning speed of laser drilled acute angled cooling holes on the high temperature low cycle corrosion fatigue performance of CMSX-4 at 850 Å°C. International Journal of Fatigue, 2017, 102, 112-120.	5.7	16
88	A cost estimation approach for IoT modular architectures implementation in legacy systems. Procedia Manufacturing, 2018, 19, 103-110.	1.9	16
89	Structured authoring for AR-based communication to enhance efficiency in remote diagnosis for complex equipment. Advanced Engineering Informatics, 2020, 45, 101096.	8.0	16
90	A systematic review of multivariate uncertainty quantification for engineering systems. CIRP Journal of Manufacturing Science and Technology, 2021, 33, 188-208.	4.5	16

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91	A Conceptual Design for Smell Based Augmented Reality: Case Study in Maintenance Diagnosis. Procedia CIRP, 2018, 78, 109-114.	1.9	15
92	Obsolescence Risk Assessment Process Best Practice. Journal of Physics: Conference Series, 2012, 364, 012095.	0.4	14
93	Socio-economic and demographic factors that contribute to the growth of the civil aviation industry. Procedia Manufacturing, 2018, 19, 2-9.	1.9	14
94	Requirements management: an enabler for concurrent engineering in the automotive industry. International Journal of Production Research, 2006, 44, 1703-1717.	7.5	13
95	A review of miniaturised Non-Destructive Testing technologies for in-situ inspections. Procedia Manufacturing, 2018, 16, 16-23.	1.9	13
96	Design Process Knowledge Reuse Challenges and Issues. Computer-Aided Design and Applications, 2008, 5, 942-952.	0.6	12
97	An overview of self-engineering systems. Journal of Engineering Design, 2021, 32, 397-447.	2.3	12
98	Managing knowledge within the manufacturing enterprise: an overview. International Journal of Manufacturing Technology and Management, 2009, 18, 183.	0.1	11
99	An intelligent benchmark-based design for environment system for derivative electronic product development. Computers in Industry, 2012, 63, 913-929.	9.9	11
100	Integrating design attributes, knowledge and uncertainty in aerospace sector. CIRP Journal of Manufacturing Science and Technology, 2014, 7, 83-96.	4.5	10
101	Product-service systems. Journal of Manufacturing Technology Management, 2009, 20, .	6.4	10
102	Designing a Turbine Blade Cooling System Using a Generalised Regression Genetic Algorithm. CIRP Annals - Manufacturing Technology, 2003, 52, 415-418.	3.6	9
103	Design requirements change and cost impact analysis in airplane structures. International Journal of Production Economics, 2007, 109, 65-80.	8.9	9
104	Impact of Software Obsolescence in Defence Manufacturing Sectors. Procedia CIRP, 2015, 28, 197-201.	1.9	9
105	A study of pulsed thermography for life assessment of thin EB-PVD TBCs undergoing oxidation ageing. NDT and E International, 2017, 92, 67-74.	3.7	9
106	An analogy based estimation framework for design rework efforts. Journal of Intelligent Manufacturing, 2013, 24, 625-639.	7.3	8
107	Degradation Assessment of Industrial Composites Using Thermography. Procedia CIRP, 2015, 38, 147-152.	1.9	8
108	“In-situ” Inspection Technologies: Trends in Degradation Assessment and Associated Technologies. Procedia CIRP, 2017, 59, 35-40.	1.9	8

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109	Conceptualising the impact of information asymmetry on through-life cost: case study of machine tools sector. <i>Procedia Manufacturing</i> , 2018, 16, 99-106.	1.9	8
110	Ultrasound Image Filtering and Reconstruction Using DCT/IDCT Filter Structure. <i>IEEE Access</i> , 2020, 8, 141342-141357.	4.2	8
111	A manufacturing framework for capability-based product-service systems design. <i>Journal of Remanufacturing</i> , 2013, 3, 1.	2.7	7
112	A Simulation Based Approach to Model Design Influence on the Fatigue Life of a Vented Brake Disc. <i>Procedia CIRP</i> , 2017, 59, 41-46.	1.9	7
113	Service Uncertainty and Cost for Product Service Systems. <i>Decision Engineering</i> , 2011, , 129-147.	2.0	7
114	The Role of Maintenance, Repair, and Overhaul (MRO) Knowledge in Facilitating Service Led Design: A Nozzle Guide Vane Case Study. <i>Lecture Notes in Mechanical Engineering</i> , 2015, , 379-395.	0.4	7
115	Service Cost Estimation Challenges in Industrial Product-Service Systems. , 2011, , 1-10.		7
116	The Future of Maintenance for Industrial Product-Service Systems. <i>Lecture Notes in Production Engineering</i> , 2013, , 1-15.	0.4	7
117	A Complexity Framework for Self-Engineering Systems. <i>Smart and Sustainable Manufacturing Systems</i> , 2020, 4, 20200059.	0.7	7
118	Assessment of sheet-metal bending requirements using neural networks. <i>Neural Computing and Applications</i> , 1996, 4, 35-43.	5.6	6
119	Sequential Process Optimisation Using Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , 2004, , 782-791.	1.3	6
120	Enabling value co-production in the provision of support service engineering solutions using digital manufacturing methods. , 2009, , .		6
121	Data Mining and Knowledge Reuse for the Initial Systems Design and Manufacturing: Aero-engine Service Risk Drivers. <i>Procedia CIRP</i> , 2013, 11, 130-134.	1.9	6
122	Software Obsolescence in Defence. <i>Procedia CIRP</i> , 2014, 22, 76-80.	1.9	6
123	Positioning of Spare Part Contracts in the Servitisation Process. <i>Procedia CIRP</i> , 2015, 38, 106-111.	1.9	6
124	The adoption and use of through-life engineering services within UK manufacturing organisations. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2015, 229, 1848-1866.	2.4	6
125	Design and complexity evaluation of a self-cleaning heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , 2022, 191, 122725.	4.8	6
126	A Product Ontology for Automotive Seat Specification. , 2004, , 57.		5

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127	Modelling the cost of railway asset renewal projects using pairwise comparisons. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2006, 220, 331-346.	2.0	5
128	Cost impact analysis of requirement changes in the automotive industry: A case study. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2006, 220, 1509-1525.	2.4	5
129	Comparing the cognitive actions of design engineers and cost estimators. Journal of Engineering Design, 2008, 19, 145-158.	2.3	5
130	Evaluation of business processes using probability-driven activity-based costing. Service Industries Journal, 2010, 30, 2239-2260.	8.3	5
131	A study on obsolescence resolution profiles. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2012, 226, 167-177.	2.4	5
132	Supplier sustainability assessment for the UK defence industry. International Journal of Productivity and Performance Management, 2014, 63, 968-990.	3.7	5
133	Maintenance Informatics Dashboard Design for Through-life Engineering Services. Procedia CIRP, 2017, 59, 166-171.	1.9	5
134	Self-engineering “ Technological Challenges. Lecture Notes in Networks and Systems, 2020, , 16-30.	0.7	5
135	New Threats for Old Manufacturing Problems: Secure IoT-Enabled Monitoring of Legacy Production Machinery. IFIP Advances in Information and Communication Technology, 2017, , 391-398.	0.7	5
136	An Overview on Degradation Modelling for Service Cost Estimation. , 2011, , 309-314.		5
137	Curve and surface optimization within the CAD/CAM environment. Journal of Engineering Design, 2002, 13, 121-139.	2.3	4
138	Optimisation of the high efficiency deep grinding process with fuzzy fitness function and constraints. , 0, , .		4
139	Work roll cooling system design optimisation in presence of uncertainty and constrains. CIRP Journal of Manufacturing Science and Technology, 2010, 2, 290-298.	4.5	4
140	Guest editorial: IJAMT special issue on: product-service systems. International Journal of Advanced Manufacturing Technology, 2011, 52, 1115-1116.	3.0	4
141	Development of a Thermographic NDI System for Service Damage Identification in Inaccessible Areas. Procedia CIRP, 2013, 11, 124-129.	1.9	4
142	Mitigating the Risk of Software Obsolescence in the Oil and Gas Sector. Procedia CIRP, 2014, 22, 81-86.	1.9	4
143	Editorial for the Special Issue on Through-Life Engineering Services. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2017, 231, 2241-2241.	2.4	4
144	Identifying challenges in quantifying uncertainty: case study in infrared thermography. Procedia CIRP, 2018, 73, 108-113.	1.9	4

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145	Cost Estimating and Risk Analysis in Manufacturing Processes. , 2000, , 177-182.		3
146	Information Requirements for Cost Estimating in the Automotive Industry. , 2003, , 195.		3
147	A generic library of problem solving methods for scheduling applications. , 2003, , .		3
148	An Integrated Design Optimization Approach for Quantitative and Qualitative Search Space. , 2003, , 1359.		3
149	Cost engineering. Journal of Engineering Design, 2008, 19, 97-98.	2.3	3
150	Constructing and Evaluating "œas-is" and "œeto-be" OPM Models for the Healthcare Sector for Adoption of Vscan. Procedia Computer Science, 2013, 16, 413-422.	2.0	3
151	Service Knowledge Capture and Reuse. Procedia CIRP, 2014, 16, 9-14.	1.9	3
152	Quantifying Risk Mitigation Strategies for Manufacturing and Service Delivery. Procedia CIRP, 2015, 28, 179-184.	1.9	3
153	Security Aspects in Cloud Based Condition Monitoring of Machine Tools. Procedia CIRP, 2015, 38, 47-52.	1.9	3
154	IoT security hardware framework for remote maintenance of legacy machine tools. , 2017, , .		3
155	Modelling the influence of laser drilled recast layer thickness on the fatigue performance of CMSX-4. Procedia Manufacturing, 2018, 16, 67-74.	1.9	3
156	Current practice and challenges towards handling uncertainty for effective outcomes in maintenance. Procedia CIRP, 2019, 86, 282-287.	1.9	3
157	Development of Fuzzy Expert System for Customer and Service Advisor Categorisation within Contact Centre Environment. Advances in Intelligent and Soft Computing, 2006, , 197-206.	0.2	3
158	Problem Definition in Designing Product-Service Systems. , 2011, , 105-110.		3
159	Aircraft Engine Component Deterioration and Life Cycle Cost Estimation. , 2011, , 657-662.		3
160	Complex engineering service systems. Journal of Service Management, 2014, 25, .	7.2	3
161	Generalised Regression GA for Handling Inseparable Function Interaction: Algorithm and Applications. Lecture Notes in Computer Science, 2002, , 452-461.	1.3	3
162	Technology Transfer: Academia to Industry. Studies in Computational Intelligence, 2008, , 263-281.	0.9	3

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163	An Overview of Soft Computing Techniques Used in the Drug Discovery Process. , 2006, , 465-480.		3
164	Fuzzy logic in management control: a case study. , 0, , .		2
165	Handling integrated quantitative and qualitative search space in a real world optimisation problem. , 0, , .		2
166	Virtual cost engineering studio (V-CES): A framework for Cost Engineering services. , 2005, , .		2
167	Cost Engineering. International Journal of Production Economics, 2007, 109, 1.	8.9	2
168	A prediction system for assessing customer affordability of whole life cycle cost in defence industry. Journal of Intelligent Manufacturing, 2012, 23, 2407-2425.	7.3	2
169	Building a software platform to guide doctors and nurses with ultrasound scanning. , 2013, , .		2
170	Quantifying Uncertainty in Pulsed Thermographic Inspection by Analysing the Thermal Diffusivity Measurements of Metals and Composites. Sensors, 2021, 21, 5480.	3.8	2
171	Genetic Algorithm in Process Optimisation Problems. , 2005, , 323-333.		2
172	Evolutionary Optimization of Business Process Designs. Studies in Computational Intelligence, 2007, , 513-541.	0.9	2
173	A Novel Modelling and Optimisation Technique for Business Processes: An Evolutionary Computing Based Approach. Advances in Soft Computing, 2009, , 75-85.	0.4	2
174	Challenges and Opportunities in Transforming Laser System Industry to Deliver Integrated Product and Service Offers. Lecture Notes in Computer Science, 2014, , 127-134.	1.3	2
175	Fuzzy process modelling for secondary steelmaking. , 0, , .		1
176	Multiobjective optimisation of rod design in long product rolling within a quantitative and qualitative search space. , 0, , .		1
177	ICSPEA. , 2007, , .		1
178	Cost optimising aircraft systems at a conceptual design stage. International Journal of Manufacturing Technology and Management, 2008, 15, 328.	0.1	1
179	Requirements Management for the Extended Automotive Enterprise. , 2006, , 269-279.		1
180	Making Evolutionary Design Optimisation Popular in Industry: Issues and Techniques. , 2002, , 43-54.		1

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181	Fuzzy Process Model Development with Missing Data. , 2000, , 5-14.		1
182	Intelligent Decision Support for Maintenance: A New Role for Audit Trails. Lecture Notes in Mechanical Engineering, 2020, , 396-403.	0.4	1
183	Understanding the Link between Aesthetics and Engineering in Product Design. , 2007, , 155-164.		1
184	Investigation of future applications of self-engineering using drones. Materials Today: Proceedings, 2022, 64, 1255-1260.	1.8	1
185	Translating Environmental Legislation into the Engineering Design Domain. , 2004, , .		0
186	A process centred virtual approach to support cost estimating along product life cycle. , 2006, , .		0
187	Grid services for multi-objective design optimisation. CIRP Journal of Manufacturing Science and Technology, 2010, 3, 249-261.	4.5	0
188	Uncertainty based evolutionary optimisation. , 2011, , .		0
189	TOMCAT: An Obsolescence Management Capability Assessment Framework. Journal of Physics: Conference Series, 2012, 364, 012098.	0.4	0
190	Complexity of self-engineering systems across the life cycle “ Biological and engineering systems. Procedia CIRP, 2021, 98, 121-126.	1.9	0
191	DCT/IDCT Filter Design for Ultrasound Image Filtering. , 2021, , .		0
192	Knowledge Reuse: CE2-Focused Training. Lecture Notes in Computer Science, 2002, , 595-612.	1.3	0
193	A Knowledge-Based Tool for the Selection of Design Options During the Competitive Tendering of Vehicle Systems. , 2004, , .		0
194	Evolutionary Computing within Grid Environment. Studies in Computational Intelligence, 2007, , 229-248.	0.9	0
195	Evolutionary Computing in Engineering Design. , 2008, , 167-184.		0
196	Grid Computing. , 2009, , 269-280.		0
197	Estimation Design Rework Efforts in the Early Phase of Design and Development. Advanced Concurrent Engineering, 2010, , 653-661.	0.2	0
198	Product-Service Systems Design Using Stakeholders’s Information. , 2013, , 353-366.		0

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199	Requirements for Computer-Aided Product-Service Systems Modeling and Simulation. Lecture Notes in Mechanical Engineering, 2013, , 773-784.	0.4	0
200	Defence Support Services for the Royal Navy: The Context of Spares Contracts. Decision Engineering, 2017, , 459-470.	2.0	0
201	An Exploration of Genetic Process Mining. Advances in Soft Computing, 0, , 199-208.	0.4	0