

# Xun Xu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

287  
papers

10,917  
citations

53  
h-index

98  
g-index

325  
ext. papers

13,654  
ext. citations

4.9  
avg, IF

7.56  
L-index

#	Paper	IF	Citations
287	LMPF: A novel method for bill of standard manufacturing services construction in cloud manufacturing. <i>Journal of Manufacturing Systems</i> , <b>2022</b> , 62, 402-416	9.1	0
286	Outlook on human-centric manufacturing towards Industry 5.0. <i>Journal of Manufacturing Systems</i> , <b>2022</b> , 62, 612-627	9.1	22
285	Intelligent STEP-NC-compliant setup planning method. <i>Journal of Manufacturing Systems</i> , <b>2022</b> , 62, 62-75	9.1	1
284	Service-oriented industrial internet of things gateway for cloud manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2022</b> , 73, 102217	9.2	10
283	An automatic method for constructing machining process knowledge base from knowledge graph. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2022</b> , 73, 102222	9.2	13
282	A Smart Manufacturing Cell with Distributed Intelligence. <i>Procedia CIRP</i> , <b>2021</b> , 104, 1912-1917	1.8	2
281	A Data-Driven Machining Error Analysis Method for Finish Machining of Assembly Interfaces of Large-Scale Components. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2021</b> , 143,	3.3	1
280	An end-to-end tabular information-oriented causality event evolutionary knowledge graph for manufacturing documents. <i>Advanced Engineering Informatics</i> , <b>2021</b> , 50, 101441	7.4	3
279	Industry 4.0 and Industry 5.0 Inception, conception and perception. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 61, 530-535	9.1	95
278	Mass Personalisation as a Service in Industry 4.0: A Resilient Response Case Study. <i>Advanced Engineering Informatics</i> , <b>2021</b> , 50, 101438	7.4	18
277	Achieving cognitive mass personalization via the self-X cognitive manufacturing network: An industrial-knowledge-graph- and graph-embedding-enabled pathway. <i>Engineering</i> , <b>2021</b> ,	9.7	7
276	Machining process-oriented monitoring method based on digital twin via augmented reality. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2021</b> , 113, 3491-3508	3.2	12
275	Digital Twin-driven machining process for thin-walled part manufacturing. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 59, 453-466	9.1	15
274	Digital Twin-driven online anomaly detection for an automation system based on edge intelligence. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 59, 138-150	9.1	21
273	Industrial Internet-enabled Resilient Manufacturing Strategy in the Wake of COVID-19 Pandemic: A Conceptual Framework and Implementations in China. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , <b>2021</b> , 34,	2.5	6
272	Humans Are Not Machines Anthropocentric Human Machine Symbiosis for Ultra-Flexible Smart Manufacturing. <i>Engineering</i> , <b>2021</b> , 7, 734-737	9.7	6
271	Digital twin modeling method based on biomimicry for machining aerospace components. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 58, 180-195	9.1	42

270	A machining accuracy informed adaptive positioning method for finish machining of assembly interfaces of large-scale aircraft components. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2021</b> , 67, 102021	9.2	5
269	Development of an edge computing-based cyber-physical machine tool. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2021</b> , 67, 102042	9.2	15
268	A machined substrate hybrid additive manufacturing strategy for injection moulding inserts. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2021</b> , 112, 577-588	3.2	2
267	Digital Twin as a Service (DTaaS) in Industry 4.0: An Architecture Reference Model. <i>Advanced Engineering Informatics</i> , <b>2021</b> , 47, 101225	7.4	97
266	A hybrid 3D feature recognition method based on rule and graph. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2021</b> , 34, 257-281	4.3	6
265	Evaluation of bonding integrity of hybrid-built AlSi10Mg-aluminium alloys parts using the powder bed fusion process. <i>Materials Today: Proceedings</i> , <b>2021</b> , 46, 1277-1282	1.4	1
264	Intelligent feature recognition for STEP-NC-compliant manufacturing based on artificial bee colony algorithm and back propagation neural network. <i>Journal of Manufacturing Systems</i> , <b>2021</b> ,	9.1	7
263	Self-organizing manufacturing network: A paradigm towards smart manufacturing in mass personalization. <i>Journal of Manufacturing Systems</i> , <b>2021</b> , 60, 35-47	9.1	15
262	A novel knowledge graph-based optimization approach for resource allocation in discrete manufacturing workshops. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2021</b> , 71, 102160	9.2	14
261	Multi-scale evolution mechanism and knowledge construction of a digital twin mimic model. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2021</b> , 71, 102123	9.2	10
260	An Implementation of OPC UA for Machine-to-Machine Communications in a Smart Factory. <i>Procedia Manufacturing</i> , <b>2021</b> , 53, 52-58	1.5	2
259	User-centered information provision of Cyber-Physical Machine Tools. <i>Procedia CIRP</i> , <b>2020</b> , 93, 1546-1551	1.8	3
258	A Sensor Based Monitoring System for Real-Time Quality Control: Semi-Automatic Arc Welding Case Study. <i>Procedia Manufacturing</i> , <b>2020</b> , 51, 201-206	1.5	3
257	Shared manufacturing in the sharing economy: Concept, definition and service operations. <i>Computers and Industrial Engineering</i> , <b>2020</b> , 146, 106602	6.4	22
256	Editorial Notes: Design innovation of Smart PSS. <i>Advanced Engineering Informatics</i> , <b>2020</b> , 44, 101069	7.4	1
255	Smart manufacturing process and system automation – A critical review of the standards and envisioned scenarios. <i>Journal of Manufacturing Systems</i> , <b>2020</b> , 56, 312-325	9.1	106
254	Experimental Investigation of the Surface Roughness of Finish-Machined High-Volume-Fraction SiCp/Al Composites. <i>Arabian Journal for Science and Engineering</i> , <b>2020</b> , 45, 5399-5406	2.5	7
253	IoT-enabled smart appliances under industry 4.0: A case study. <i>Advanced Engineering Informatics</i> , <b>2020</b> , 43, 101043	7.4	99

252	Cloud manufacturing in China: a review. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2020</b> , 33, 229-251	4.3	12
251	Smart manufacturing based on Digital Twin technologies <b>2020</b> , 77-122		4
250	Automatic Extraction of Engineering Rules From Unstructured Text: A Natural Language Processing Approach. <i>Journal of Computing and Information Science in Engineering</i> , <b>2020</b> , 20,	2.4	4
249	Achieving better connections between deposited lines in additive manufacturing via machine learning. <i>Mathematical Biosciences and Engineering</i> , <b>2020</b> , 17, 3382-3394	2.1	24
248	Semantic communications between distributed cyber-physical systems towards collaborative automation for smart manufacturing. <i>Journal of Manufacturing Systems</i> , <b>2020</b> , 55, 348-359	9.1	24
247	Function block-based closed-loop adaptive machining for assembly interfaces of large-scale aircraft components. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2020</b> , 66, 101994	9.2	10
246	A Digital Twin Reference for Mass Personalization in Industry 4.0. <i>Procedia CIRP</i> , <b>2020</b> , 93, 228-233	1.8	20
245	Factor reduction of quotation with rough set on incomplete data. <i>Procedia Manufacturing</i> , <b>2020</b> , 48, 18-235		2
244	A Reference Human-centric Architecture Model: a skill-based approach for education of future workforce. <i>Procedia Manufacturing</i> , <b>2020</b> , 48, 1094-1101	1.5	3
243	Product traceability in manufacturing: A technical review. <i>Procedia CIRP</i> , <b>2020</b> , 93, 700-705	1.8	5
242	A novel strategy for multi-part production in additive manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2020</b> , 109, 1237-1248	3.2	17
241	Human Capital 4.0: a workforce competence typology for Industry 4.0. <i>Journal of Manufacturing Technology Management</i> , <b>2020</b> , 31, 687-703	7.1	46
240	Human Cyber-Physical Systems: A skill-based correlation between humans and machines <b>2020</b> ,		4
239	STEP-NC Enabled Machine Tool Digital Twin. <i>Procedia CIRP</i> , <b>2020</b> , 93, 1460-1465	1.8	4
238	Operator 4.0 or Maker 1.0? Exploring the implications of Industrie 4.0 for innovation, safety and quality of work in small economies and enterprises. <i>Computers and Industrial Engineering</i> , <b>2020</b> , 139, 105486	6.4	25
237	A data-driven cyber-physical approach for personalised smart, connected product co-development in a cloud-based environment. <i>Journal of Intelligent Manufacturing</i> , <b>2020</b> , 31, 3-18	6.7	48
236	Digital Twin-driven smart manufacturing: Connotation, reference model, applications and research issues. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2020</b> , 61, 101837	9.2	358
235	Effect of Extrusion Temperature on Printable Threshold Overhang in Additive Manufacturing. <i>Procedia CIRP</i> , <b>2019</b> , 81, 1376-1381	1.8	8

234	The Degree of Mass Personalisation under Industry 4.0. <i>Procedia CIRP</i> , <b>2019</b> , 81, 1394-1399	1.8	29
233	Standards for Smart Manufacturing: A review <b>2019</b> ,		3
232	Assembly validation in virtual reality— demonstrative case. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2019</b> , 105, 3579-3592	3.2	9
231	Analysis and prediction of printable bridge length in fused deposition modelling based on back propagation neural network. <i>Virtual and Physical Prototyping</i> , <b>2019</b> , 14, 253-266	10.1	53
230	Optimization of process planning for reducing material waste in extrusion based additive manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2019</b> , 59, 317-325	9.2	66
229	A Cyber-Physical Machine Tools Platform using OPC UA and MTConnect. <i>Journal of Manufacturing Systems</i> , <b>2019</b> , 51, 61-74	9.1	86
228	A support interface method for easy part removal in directed energy deposition. <i>Manufacturing Letters</i> , <b>2019</b> , 20, 30-33	4.5	23
227	Optimisation of multi-part production in additive manufacturing for reducing support waste. <i>Virtual and Physical Prototyping</i> , <b>2019</b> , 14, 219-228	10.1	39
226	Production planning for cloud-based additive manufacturing—A computer vision-based approach. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2019</b> , 58, 145-157	9.2	29
225	Cloud manufacturing: key issues and future perspectives. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2019</b> , 32, 858-874	4.3	36
224	Technology selection methods and applications in manufacturing: A review from 1990 to 2017. <i>Computers and Industrial Engineering</i> , <b>2019</b> , 138, 106123	6.4	17
223	Visualisation of the Digital Twin data in manufacturing by using Augmented Reality. <i>Procedia CIRP</i> , <b>2019</b> , 81, 898-903	1.8	54
222	Manufacturing Systems <b>2019</b> , 609-708		
221	Support Optimization for Flat Features via Path Planning in Additive Manufacturing. <i>3D Printing and Additive Manufacturing</i> , <b>2019</b> , 6, 171-179	4	30
220	Smart, connected open architecture product: an IT-driven co-creation paradigm with lifecycle personalization concerns. <i>International Journal of Production Research</i> , <b>2019</b> , 57, 2571-2584	7.8	56
219	Energy-efficient cyber-physical production network: Architecture and technologies. <i>Computers and Industrial Engineering</i> , <b>2019</b> , 129, 56-66	6.4	38
218	Cloud-based manufacturing equipment and big data analytics to enable on-demand manufacturing services. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2019</b> , 57, 92-102	9.2	144
217	IoT-enabled cloud-based additive manufacturing platform to support rapid product development. <i>International Journal of Production Research</i> , <b>2019</b> , 57, 3975-3991	7.8	54

216	A weighted interval rough number based method to determine relative importance ratings of customer requirements in QFD product planning. <i>Journal of Intelligent Manufacturing</i> , <b>2019</b> , 30, 3-16	6.7	45
215	Scheduling in cloud manufacturing: state-of-the-art and research challenges. <i>International Journal of Production Research</i> , <b>2019</b> , 57, 4854-4879	7.8	103
214	ManuService ontology: a product data model for service-oriented business interactions in a cloud manufacturing environment. <i>Journal of Intelligent Manufacturing</i> , <b>2019</b> , 30, 317-334	6.7	53
213	Data mining based multi-level aggregate service planning for cloud manufacturing. <i>Journal of Intelligent Manufacturing</i> , <b>2018</b> , 29, 1351-1361	6.7	20
212	A systematic development method for cyber-physical machine tools. <i>Journal of Manufacturing Systems</i> , <b>2018</b> , 48, 13-24	9.1	67
211	Smart manufacturing systems for Industry 4.0: Conceptual framework, scenarios, and future perspectives. <i>Frontiers of Mechanical Engineering</i> , <b>2018</b> , 13, 137-150	3.3	338
210	A Knowledge Management System to Support Design for Additive Manufacturing Using Bayesian Networks. <i>Journal of Mechanical Design, Transactions of the ASME</i> , <b>2018</b> , 140,	3	32
209	An augmented Lagrangian coordination method for optimal allocation of cloud manufacturing services. <i>Journal of Manufacturing Systems</i> , <b>2018</b> , 48, 122-133	9.1	30
208	A delayed product differentiation model for cloud manufacturing. <i>Computers and Industrial Engineering</i> , <b>2018</b> , 117, 60-70	6.4	14
207	A hybrid approach to energy-efficient machining for milled components via STEP-NC. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2018</b> , 31, 442-456	4.3	8
206	Data cleansing for energy-saving: a case of Cyber-Physical Machine Tools health monitoring system. <i>International Journal of Production Research</i> , <b>2018</b> , 56, 1000-1015	7.8	23
205	A systematic design approach for service innovation of smart product-service systems. <i>Journal of Cleaner Production</i> , <b>2018</b> , 201, 657-667	10.3	183
204	Investigation of printable threshold overhang angle in extrusion-based additive manufacturing for reducing support waste. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2018</b> , 31, 961-969	4.3	54
203	Architecture of a Cloud-Based Control System Decentralised at Field Level <b>2018</b> ,		4
202	A Survey Study on Industry 4.0 for New Zealand Manufacturing. <i>Procedia Manufacturing</i> , <b>2018</b> , 26, 49-57	1.5	24
201	MTConnect-based Cyber-Physical Machine Tool: a case study. <i>Procedia CIRP</i> , <b>2018</b> , 72, 492-497	1.8	23
200	Manufacturing service reliability assessment in cloud manufacturing. <i>Procedia CIRP</i> , <b>2018</b> , 72, 940-946	1.8	10
199	From Open CNC Systems to Cyber-Physical Machine Tools: A Case Study. <i>Procedia CIRP</i> , <b>2018</b> , 72, 1270-1286		10

198	Cloud-based approach for smart product personalization. <i>Procedia CIRP</i> , <b>2018</b> , 72, 922-927	1.8	10
197	Smart AGV System for Manufacturing Shopfloor in the Context of Industry 4.0 <b>2018</b> ,		20
196	Support Structures for Additive Manufacturing: A Review. <i>Journal of Manufacturing and Materials Processing</i> , <b>2018</b> , 2, 64	2.2	154
195	A decision support system for additive manufacturing process selection using a hybrid multiple criteria decision-making method. <i>Rapid Prototyping Journal</i> , <b>2018</b> , 24, 1544-1553	3.8	25
194	<b>2018</b> ,		7
193	Price forecasting using an ACO-based support vector regression ensemble in cloud manufacturing. <i>Computers and Industrial Engineering</i> , <b>2018</b> , 125, 171-177	6.4	13
192	Resource virtualization: A core technology for developing cyber-physical production systems. <i>Journal of Manufacturing Systems</i> , <b>2018</b> , 47, 128-140	9.1	90
191	Extended study of network capability for cloud based control systems. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2017</b> , 43, 89-95	9.2	32
190	Evaluation and comparison of lubrication methods in finish machining of hardened steel mould inserts. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2017</b> , 231, 2458-2467	2.4	4
189	A system framework for OKP product planning in a cloud-based design environment. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2017</b> , 45, 73-85	9.2	26
188	Industry 4.0 and Cloud Manufacturing: A Comparative Analysis. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2017</b> , 139,	3.3	160
187	Selection of additive manufacturing processes. <i>Rapid Prototyping Journal</i> , <b>2017</b> , 23, 434-447	3.8	42
186	Personalized product configuration framework in an adaptable open architecture product platform. <i>Journal of Manufacturing Systems</i> , <b>2017</b> , 43, 422-435	9.1	61
185	Augmented Reality-assisted Intelligent Window for Cyber-Physical Machine Tools. <i>Journal of Manufacturing Systems</i> , <b>2017</b> , 44, 280-286	9.1	58
184	A semantic web-based framework for service composition in a cloud manufacturing environment. <i>Journal of Manufacturing Systems</i> , <b>2017</b> , 42, 69-81	9.1	84
183	A new high-performance open CNC system and its energy-aware scheduling algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2017</b> , 93, 1513-1525	3.2	6
182	Machine Tool 4.0 for the new era of manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2017</b> , 92, 1893-1900	3.2	96
181	A weighted rough set based fuzzy axiomatic design approach for the selection of AM processes. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2017</b> , 91, 1977-1990	3.2	26

180	Food supply chain management: systems, implementations, and future research. <i>Industrial Management and Data Systems</i> , <b>2017</b> , 117, 2085-2114	3.6	71
179	A Personalized Attribute Determination Process in a Cloud-Based Adaptable Product Configurator <b>2017</b> ,		1
178	Enterprises in Cloud Manufacturing: A Preliminary Exploration <b>2017</b> ,		5
177	Product-Service Family Enabled Product Configuration System for Cloud Manufacturing <b>2017</b> ,		1
176	Design for Additive Manufacturing in the Cloud Platform <b>2017</b> ,		2
175	User-experience Based Product Development for Mass Personalization: A Case Study. <i>Procedia CIRP</i> , <b>2017</b> , 63, 2-7	1.8	23
174	Cyber-physical Machine Tool The Era of Machine Tool 4.0. <i>Procedia CIRP</i> , <b>2017</b> , 63, 70-75	1.8	78
173	The Framework of a Cloud-based CNC System. <i>Procedia CIRP</i> , <b>2017</b> , 63, 82-88	1.8	23
172	An IoT-enabled Real-time Machine Status Monitoring Approach for Cloud Manufacturing. <i>Procedia CIRP</i> , <b>2017</b> , 63, 709-714	1.8	56
171	VR-based Product Personalization Process for Smart Products. <i>Procedia Manufacturing</i> , <b>2017</b> , 11, 1568-1576	1.5	10
170	IoT-enabled Smart Factory Visibility and Traceability Using Laser-scanners. <i>Procedia Manufacturing</i> , <b>2017</b> , 10, 1-14	1.5	50
169	Workload-based multi-task scheduling in cloud manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2017</b> , 45, 3-20	9.2	140
168	An interoperable energy consumption analysis system for CNC machining. <i>Journal of Cleaner Production</i> , <b>2017</b> , 140, 1828-1841	10.3	30
167	Hawkeye: Open source framework for field surveillance <b>2017</b> ,		3
166	Requirements for a cloud-based control system interacting with soft bodies <b>2017</b> ,		3
165	Intelligent Manufacturing in the Context of Industry 4.0: A Review. <i>Engineering</i> , <b>2017</b> , 3, 616-630	9.7	1017
164	A novel AHP-TOPSIS integrated method for case-based retrieval in mechanical product design. <i>International Journal of Product Development</i> , <b>2017</b> , 22, 212	0.7	1
163	An interoperable knowledge base for manufacturing resource and service capability. <i>International Journal of Manufacturing Research</i> , <b>2017</b> , 12, 20	0.4	2



162	Model-based manufacturing based on STEP AP242 <b>2016</b> ,		6
161	Configuration Design of the Add-on Cyber-physical System with CNC Machine Tools and its Application Perspectives. <i>Procedia CIRP</i> , <b>2016</b> , 56, 360-365	1.8	24
160	An Extensible Model for Multitask-Oriented Service Composition and Scheduling in Cloud Manufacturing. <i>Journal of Computing and Information Science in Engineering</i> , <b>2016</b> , 16, 041009	2.4	46
159	Cloud Manufacturing: An Industry Survey <b>2016</b> ,		2
158	A weighted preference graph approach to analyze incomplete customer preference information in QFD product planning <b>2016</b> ,		3
157	Industry 4.0 and Cloud Manufacturing: A Comparative Analysis <b>2016</b> ,		14
156	A collaborative product data exchange environment based on STEP. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2015</b> , 28, 75-86	4.3	13
155	Turning green into gold—a framework for energy performance contracting (EPC) in China’s real estate industry. <i>Journal of Cleaner Production</i> , <b>2015</b> , 109, 166-173	10.3	50
154	Protecting Intellectual Property in a Cloud Manufacturing Environment: Requirements and Strategies. <i>IFIP Advances in Information and Communication Technology</i> , <b>2015</b> , 404-411	0.5	
153	Integrate Product Planning Process of OKP Companies in the Cloud Manufacturing Environment. <i>IFIP Advances in Information and Communication Technology</i> , <b>2015</b> , 420-426	0.5	2
152	Computer-Integrated Manufacturing, Cyber-Physical Systems and Cloud Manufacturing [Concepts and relationships. <i>Manufacturing Letters</i> , <b>2015</b> , 6, 5-9	4.5	77
151	Incorporating Quality Function Deployment with modularity for the end-of-life of a product family. <i>Journal of Cleaner Production</i> , <b>2015</b> , 87, 423-430	10.3	19
150	Manufacturing Service Management in Cloud Manufacturing: Overview and Future Research Directions. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2015</b> , 137,	3.3	136
149	Special Section: Advances and Challenges in Cloud Manufacturing. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , <b>2015</b> , 137,	3.3	3
148	Process and Production Planning in a Cloud Manufacturing Environment <b>2015</b> ,		5
147	Development of a Product Configuration System for Cloud Manufacturing. <i>IFIP Advances in Information and Communication Technology</i> , <b>2015</b> , 436-443	0.5	2
146	A Modeling Framework for Resource Service Sharing in a Cloud Manufacturing System. <i>IFIP Advances in Information and Communication Technology</i> , <b>2015</b> , 412-419	0.5	1
145	A novel energy demand modelling approach for CNC machining based on function blocks. <i>Journal of Manufacturing Systems</i> , <b>2014</b> , 33, 196-208	9.1	48

144	A holistic approach to achieving energy efficiency for interoperable machining systems. <i>International Journal of Sustainable Engineering</i> , <b>2014</b> , 7, 111-129	3.1	13
143	Energy-efficient machining systems: a critical review. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2014</b> , 72, 1389-1406	3.2	101
142	Development of a Hybrid Manufacturing Cloud. <i>Journal of Manufacturing Systems</i> , <b>2014</b> , 33, 551-566	9.1	137
141	Ontology for manufacturing resources in a cloud environment. <i>International Journal of Manufacturing Research</i> , <b>2014</b> , 9, 448	0.4	15
140	Virtualise manufacturing capabilities in the cloud: requirements, architecture and implementation. <i>International Journal of Manufacturing Research</i> , <b>2014</b> , 9, 348	0.4	19
139	Cloud Manufacturing in Support of Sustainability <b>2014</b> ,		5
138	A concerted endeavour toward intelligent machining solutions. <i>International Journal of Materials and Product Technology</i> , <b>2014</b> , 48, 95	1	2
137	Energy consumption evaluation for sustainable manufacturing: A feature-based approach <b>2014</b> ,		4
136	Spatial design of hearing AIDS incorporating multiple vents. <i>Trends in Hearing</i> , <b>2014</b> , 18,	3.2	1
135	Cloud manufacturing for a service-oriented paradigm shift <b>2014</b> ,		2
134	Study of network capability for cloud based control systems <b>2014</b> ,		3
133	Tool Selection: A Cloud-Based Approach. <i>Lecture Notes in Electrical Engineering</i> , <b>2014</b> , 237-245	0.2	2
132	A roadmap for STEP-NC-enabled interoperable manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2013</b> , 68, 1023-1037	3.2	38
131	A CNC system based on real-time Ethernet and Windows NT. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2013</b> , 65, 1383-1395	3.2	19
130	Advanced CNC system with in-process feed-rate optimisation. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2013</b> , 29, 12-20	9.2	56
129	An interoperable solution for Cloud manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2013</b> , 29, 232-247	9.2	231
128	Relationship matrix based automatic assembly sequence generation from a CAD model. <i>CAD Computer Aided Design</i> , <b>2013</b> , 45, 1053-1067	2.9	64
127	Virtual Function Block Mechanism in the Cloud Manufacturing Environment. <i>Advanced Materials Research</i> , <b>2013</b> , 694-697, 2438-2441	0.5	2

126	Virtualize Manufacturing Capabilities in the Cloud: Requirements and Architecture <b>2013</b> ,		2
125	A Universal Hybrid Energy Consumption Model for CNC Machining Systems <b>2013</b> , 251-256		7
124	ICMS: A Cloud-Based Manufacturing System. <i>Springer Series in Advanced Manufacturing</i> , <b>2013</b> , 1-22	0.9	30
123	A New Paradigm Shift for Manufacturing Businesses <b>2013</b> ,		3
122	An Experimental Study on Multiple Acoustic Venting for Hearing Aid Applications. <i>Acta Acustica United With Acustica</i> , <b>2013</b> , 99, 598-606	1.5	1
121	Energy-Efficient Machining via Energy Data Integration. <i>IFIP Advances in Information and Communication Technology</i> , <b>2013</b> , 17-24	0.5	
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