

List of Publications by Citations

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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.

214 papers	7,735 citations	43 h-index	80 g-index
229 ext. papers	9,870 ext. citations	4.3 avg, IF	6.86 L-index

#	Paper	IF	Citations
214	Digital Twin in Industry: State-of-the-Art. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 2405-2415	11.9	658
213	Augmented reality applications in design and manufacturing. <i>CIRP Annals - Manufacturing Technology</i> , 2012 , 61, 657-679	4.9	402
212	Digital twin-driven product design framework. <i>International Journal of Production Research</i> , 2019 , 57, 3935-3953	7.8	302
211	Digital Twins and CyberPhysical Systems toward Smart Manufacturing and Industry 4.0: Correlation and Comparison. <i>Engineering</i> , 2019 , 5, 653-661	9.7	267
210	Digital twin driven prognostics and health management for complex equipment. <i>CIRP Annals - Manufacturing Technology</i> , 2018 , 67, 169-172	4.9	265
209	A comprehensive survey of augmented reality assembly research. <i>Advances in Manufacturing</i> , 2016 , 4, 1-22	2.7	224
208	Enabling technologies and tools for digital twin. <i>Journal of Manufacturing Systems</i> , 2021 , 58, 3-21	9.1	224
207	Augmented reality applications in manufacturing: a survey. <i>International Journal of Production Research</i> , 2008 , 46, 2707-2742	7.8	220
206	Advanced manufacturing systems: socialization characteristics and trends. <i>Journal of Intelligent Manufacturing</i> , 2017 , 28, 1079-1094	6.7	203
205	Adaptable Design. <i>CIRP Annals - Manufacturing Technology</i> , 2004 , 53, 539-557	4.9	133
204	A modified genetic algorithm for distributed scheduling problems. <i>Journal of Intelligent Manufacturing</i> , 2003 , 14, 351-362	6.7	133
203	Methods for in-field user calibration of an inertial measurement unit without external equipment. <i>Measurement Science and Technology</i> , 2008 , 19, 085202	2	129
202	Robot programming using augmented reality: An interactive method for planning collision-free paths. <i>Robotics and Computer-Integrated Manufacturing</i> , 2009 , 25, 689-701	9.2	109
201	CAD model based virtual assembly simulation, planning and training. <i>CIRP Annals - Manufacturing Technology</i> , 2013 , 62, 799-822	4.9	105
200	Augmented reality for assembly guidance using a virtual interactive tool. <i>International Journal of Production Research</i> , 2008 , 46, 1745-1767	7.8	93
199	Augmented reality for collaborative product design and development. <i>Design Studies</i> , 2010 , 31, 118-145	3.6	83
198	Multi-modal augmented-reality assembly guidance based on bare-hand interface. <i>Advanced Engineering Informatics</i> , 2016 , 30, 406-421	7.4	80

197	Feature-based design in a distributed and collaborative environment. <i>CAD Computer Aided Design</i> , 2004 , 36, 775-797	2.9	80
196	Interactive robot trajectory planning and simulation using Augmented Reality. <i>Robotics and Computer-Integrated Manufacturing</i> , 2012 , 28, 227-237	9.2	78
195	Integration of genetic algorithm and Gantt chart for job shop scheduling in distributed manufacturing systems. <i>Computers and Industrial Engineering</i> , 2007 , 53, 313-320	6.4	77
194	Optimization of process plans using a constraint-based tabu search approach. <i>International Journal of Production Research</i> , 2004 , 42, 1955-1985	7.8	70
193	Digital Twin Enhanced Dynamic Job-Shop Scheduling. <i>Journal of Manufacturing Systems</i> , 2021 , 58, 146-156	5.6	69
192	Performance of an ant colony optimisation algorithm in dynamic job shop scheduling problems. <i>International Journal of Production Research</i> , 2009 , 47, 2903-2920	7.8	66
191	Adaptable design: Concepts, methods, and applications. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2009 , 223, 1367-1387	2.4	66
190	A review of the application of grid technology in manufacturing. <i>International Journal of Production Research</i> , 2011 , 49, 4119-4155	7.8	65
189	Augmented Reality Aided Assembly Design and Planning. <i>CIRP Annals - Manufacturing Technology</i> , 2007 , 56, 49-52	4.9	65
188	Web-based Multi-functional Scheduling System for a Distributed Manufacturing Environment. <i>Concurrent Engineering Research and Applications</i> , 2002 , 10, 27-39	1.7	65
187	An approach to identify design and manufacturing features from a data exchanged part model. <i>CAD Computer Aided Design</i> , 2003 , 35, 979-993	2.9	64
186	Towards a griddable distributed manufacturing system with augmented reality interfaces. <i>Robotics and Computer-Integrated Manufacturing</i> , 2016 , 39, 43-55	9.2	62
185	Virtual and Augmented Reality Applications in Manufacturing. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 15-26		59
184	A comprehensive survey of ubiquitous manufacturing research. <i>International Journal of Production Research</i> , 2018 , 56, 604-628	7.8	57
183	Stiffness analysis of parallelogram-type parallel manipulators using a strain energy method. <i>Robotics and Computer-Integrated Manufacturing</i> , 2016 , 37, 13-22	9.2	55
182	Augmented reality aided interactive manual assembly design. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 69, 1311-1321	3.2	53
181	An adaptive and upgradable agent-based system for coordinated product development and manufacture. <i>Robotics and Computer-Integrated Manufacturing</i> , 2004 , 20, 79-90	9.2	53
180	Real-virtual components interaction for assembly simulation and planning. <i>Robotics and Computer-Integrated Manufacturing</i> , 2016 , 41, 102-114	9.2	51

179	Augmented reality-assisted robot programming system for industrial applications. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020 , 61, 101820	9.2	51
178	Designing automotive products for remanufacturing from material selection perspective. <i>Journal of Cleaner Production</i> , 2017 , 153, 570-579	10.3	50
177	A State-of-the-Art Review of Augmented Reality in Engineering Analysis and Simulation. <i>Multimodal Technologies and Interaction</i> , 2017 , 1, 17	1.7	50
176	RFID-assisted assembly guidance system in an augmented reality environment. <i>International Journal of Production Research</i> , 2011 , 49, 3919-3938	7.8	49
175	Vision-Based Hand Interaction in Augmented Reality Environment. <i>International Journal of Human-Computer Interaction</i> , 2011 , 27, 523-544	3.6	48
174	An Internet-Based Virtual CNC Milling System. <i>International Journal of Advanced Manufacturing Technology</i> , 2002 , 20, 20-30	3.2	47
173	Concurrent process planning and scheduling in distributed virtual manufacturing. <i>IIE Transactions</i> , 2002 , 34, 77-89		44
172	A hybrid group leader algorithm for green material selection with energy consideration in product design. <i>CIRP Annals - Manufacturing Technology</i> , 2016 , 65, 9-12	4.9	44
171	Web-based configuration design system for product customization. <i>International Journal of Production Research</i> , 2006 , 44, 351-382	7.8	43
170	An improved intelligent water drops algorithm for solving multi-objective job shop scheduling. <i>Engineering Applications of Artificial Intelligence</i> , 2013 , 26, 2431-2442	7.2	41
169	A simulation-based genetic algorithm approach for remanufacturing process planning and scheduling. <i>Applied Soft Computing Journal</i> , 2015 , 37, 521-532	7.5	40
168	A quantum multi-agent evolutionary algorithm for selection of partners in a virtual enterprise. <i>CIRP Annals - Manufacturing Technology</i> , 2010 , 59, 485-488	4.9	40
167	A novel augmented reality-based interface for robot path planning. <i>International Journal on Interactive Design and Manufacturing</i> , 2014 , 8, 33-42	1.9	39
166	Design for Disassembly for Remanufacturing: Methodology and Technology. <i>Procedia CIRP</i> , 2014 , 15, 407-412	1.8	39
165	An improved Intelligent Water Drops algorithm for achieving optimal job-shop scheduling solutions. <i>International Journal of Production Research</i> , 2012 , 50, 4192-4205	7.8	39
164	Complex networks in advanced manufacturing systems. <i>Journal of Manufacturing Systems</i> , 2017 , 43, 409-421	9.4	37
163	Remanufacturing Process Planning. <i>Procedia CIRP</i> , 2014 , 15, 189-194	1.8	37
162	A context-aware augmented reality assisted maintenance system. <i>International Journal of Computer Integrated Manufacturing</i> , 2015 , 28, 213-225	4.3	36

161	A novel facility layout planning and optimization methodology. <i>CIRP Annals - Manufacturing Technology</i> , 2013 , 62, 483-486	4.9	36
160	A practical augmented reality-assisted maintenance system framework for adaptive user support. <i>Robotics and Computer-Integrated Manufacturing</i> , 2019 , 59, 115-129	9.2	34
159	Design for assembly and disassembly for remanufacturing. <i>Assembly Automation</i> , 2016 , 36, 12-24	2.1	34
158	Real-time finite element structural analysis in augmented reality. <i>Advances in Engineering Software</i> , 2015 , 87, 43-56	3.6	34
157	A context-aware augmented reality system to assist the maintenance operators. <i>International Journal on Interactive Design and Manufacturing</i> , 2014 , 8, 293-304	1.9	34
156	GA-BHTR: an improved genetic algorithm for partner selection in virtual manufacturing. <i>International Journal of Production Research</i> , 2012 , 50, 2079-2100	7.8	34
155	Product information visualization and augmentation in collaborative design. <i>CAD Computer Aided Design</i> , 2008 , 40, 963-974	2.9	34
154	An Internet of things and cloud-based approach for energy consumption evaluation and analysis for a product. <i>International Journal of Computer Integrated Manufacturing</i> , 2018 , 31, 337-348	4.3	33
153	Novel AR-based interface for human-robot interaction and visualization. <i>Advances in Manufacturing</i> , 2014 , 2, 275-288	2.7	33
152	Registration using natural features for augmented reality systems. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2006 , 12, 569-80	4	33
151	Function-based design synthesis approach to design reuse. <i>Research in Engineering Design - Theory, Applications, and Concurrent Engineering</i> , 2006 , 17, 27-44	3.5	33
150	Approaches and Challenges in Product Disassembly Planning for Sustainability. <i>Procedia CIRP</i> , 2017 , 60, 506-511	1.8	32
149	Robot path planning optimization for welding complex joints. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 90, 3829-3839	3.2	32
148	Assembly planning and evaluation in an augmented reality environment. <i>International Journal of Production Research</i> , 2013 , 51, 7388-7404	7.8	32
147	Haptic and visual augmented reality interface for programming welding robots. <i>Advances in Manufacturing</i> , 2017 , 5, 191-198	2.7	31
146	The Impact of Automotive Product Remanufacturing on Environmental Performance. <i>Procedia CIRP</i> , 2015 , 29, 774-779	1.8	31
145	An enhanced ant colony optimiser for multi-attribute partner selection in virtual enterprises. <i>International Journal of Production Research</i> , 2012 , 50, 2286-2303	7.8	31
144	Design and FEM analysis of the milled groove insert method for cooling of plastic injection moulds. <i>International Journal of Advanced Manufacturing Technology</i> , 2004 , 24, 715-726	3.2	31

143	Partial/Parallel Disassembly Sequence Planning for Complex Products. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2018 , 140,	3.3	31
142	Design and development of 3DOF modular micro parallel kinematic manipulator. <i>International Journal of Advanced Manufacturing Technology</i> , 2006 , 31, 188-200	3.2	30
141	Application of Design for Disassembly from Remanufacturing Perspective. <i>Procedia CIRP</i> , 2015 , 26, 577-582	3.2	29
140	A novel AR-based robot programming and path planning methodology. <i>Robotics and Computer-Integrated Manufacturing</i> , 2010 , 26, 240-249	9.2	29
139	Modeling, analysis, and verification of optimal fixturing design. <i>IEEE Transactions on Automation Science and Engineering</i> , 2004 , 1, 121-132	4.9	28
138	A hybrid method for recognizing interacting machining features. <i>International Journal of Production Research</i> , 2003 , 41, 1887-1908	7.8	28
137	Visualization and interaction of finite element analysis in augmented reality. <i>CAD Computer Aided Design</i> , 2017 , 84, 1-14	2.9	27
136	Robot Programming Using Augmented Reality 2009 ,		27
135	AR-guided Product Disassembly for Maintenance and Remanufacturing. <i>Procedia CIRP</i> , 2017 , 61, 299-304	4.8	26
134	GARDE: a gesture-based augmented reality design evaluation system. <i>International Journal on Interactive Design and Manufacturing</i> , 2011 , 5, 85-94	1.9	26
133	GRAONTO: A graph-based approach for automatic construction of domain ontology. <i>Expert Systems With Applications</i> , 2011 , 38, 11958-11975	7.8	26
132	Integrated Feature-Based Modelling and Process Planning of Bending Operations in Progressive Die Design. <i>International Journal of Advanced Manufacturing Technology</i> , 2002 , 20, 883-895	3.2	26
131	A Decision Support Tool for Product Design for Remanufacturing. <i>Procedia CIRP</i> , 2016 , 40, 144-149	1.8	26
130	A Cooperative Co-Evolutionary Algorithm for Large-Scale Process Planning With Energy Consideration. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2017 , 139,	3.3	25
129	Multi-User NC Machining Simulation over the WWW. <i>International Journal of Advanced Manufacturing Technology</i> , 2001 , 18, 1-6	3.2	25
128	An Augmented Reality-Assisted Therapeutic Healthcare Exercise System Based on Bare-Hand Interaction. <i>International Journal of Human-Computer Interaction</i> , 2016 , 32, 708-721	3.6	24
127	Automating design with intelligent human-machine integration. <i>CIRP Annals - Manufacturing Technology</i> , 2015 , 64, 655-677	4.9	23
126	Modular Design of Machine Tools to Facilitate Design for Disassembly and Remanufacturing. <i>Procedia CIRP</i> , 2014 , 15, 443-448	1.8	23

125	Enhancing smart shop floor management with ubiquitous augmented reality. <i>International Journal of Production Research</i> , 2020 , 58, 2352-2367	7.8	23
124	Adaptive pass planning and optimization for robotic welding of complex joints. <i>Advances in Manufacturing</i> , 2017 , 5, 93-104	2.7	22
123	Integrated product design and assembly planning in an augmented reality environment. <i>Assembly Automation</i> , 2013 , 33, 345-359	2.1	22
122	Immersive Augmented Reality Environment for the Teleoperation of Maintenance Robots. <i>Procedia CIRP</i> , 2017 , 61, 305-310	1.8	22
121	Towards a generic distributed and collaborative digital manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , 2007 , 23, 267-275	9.2	20
120	On the improvement of the stereolithography (SL) process. <i>Journal of Materials Processing Technology</i> , 2001 , 113, 262-268	5.3	20
119	A multi-regional computation scheme in an AR-assisted in situ CNC simulation environment. <i>CAD Computer Aided Design</i> , 2010 , 42, 1167-1177	2.9	19
118	Modifying free-formed NURBS curves and surfaces for offsetting without local self-intersection. <i>CAD Computer Aided Design</i> , 2004 , 36, 1161-1169	2.9	19
117	Web-Based Fault Diagnostic and Learning System. <i>International Journal of Advanced Manufacturing Technology</i> , 2001 , 18, 502-511	3.2	19
116	Haptic-based interactive path planning for a virtual robot arm. <i>International Journal on Interactive Design and Manufacturing</i> , 2010 , 4, 113-123	1.9	18
115	A Multi-Agent-Based Agile Scheduling Model for a Virtual Manufacturing Environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2003 , 21, 980-984	3.2	18
114	Orientation planning of robot end-effector using augmented reality. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 67, 2033-2049	3.2	17
113	Robot Path and End-Effector Orientation Planning Using Augmented Reality. <i>Procedia CIRP</i> , 2012 , 3, 191-196	1.8	17
112	Agent-based distributed scheduling for virtual job shops. <i>International Journal of Production Research</i> , 2010 , 48, 3889-3910	7.8	17
111	Evaluation of product performance in product family design re-use. <i>International Journal of Production Research</i> , 2007 , 45, 4119-4141	7.8	17
110	Fixture design information support for integrated design and manufacturing. <i>International Journal of Production Research</i> , 2006 , 44, 2205-2219	7.8	17
109	An authorable context-aware augmented reality system to assist the maintenance technicians. <i>International Journal of Advanced Manufacturing Technology</i> , 2012 , 66, 1699	3.2	16
108	A tracking solution for mobile augmented reality based on sensor-aided marker-less tracking and panoramic mapping. <i>Multimedia Tools and Applications</i> , 2016 , 75, 3199-3220	2.5	15

107	An AR-based hybrid approach for facility layout planning and evaluation for existing shop floors. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 72, 457-473	3.2	15
106	Product Remanufacturability Assessment based on Design Information. <i>Procedia CIRP</i> , 2014 , 15, 195-200	1.8	15
105	Product Remanufacturability Assessment and Implementation Based on Design Features. <i>Procedia CIRP</i> , 2015 , 26, 571-576	1.8	15
104	Development of an AR system achieving in situ machining simulation on a 3-axis CNC machine. <i>Computer Animation and Virtual Worlds</i> , 2010 , 21, 103-115	0.9	15
103	A web-based multi-agent system for distributed digital manufacturing. <i>International Journal of Computer Integrated Manufacturing</i> , 2007 , 20, 11-27	4.3	15
102	Five-Dimension Digital Twin Modeling and Its Key Technologies 2019 , 63-81		14
101	EOL strategy planning for components of returned products. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 77, 991-1003	3.2	14
100	Real-virtual interaction in AR assembly simulation based on component contact handling strategy. <i>Assembly Automation</i> , 2015 , 35, 376-394	2.1	14
99	A novel approach in rehabilitation of hand-eye coordination and finger dexterity. <i>Virtual Reality</i> , 2012 , 16, 161-171	6	14
98	Concurrent process planning and scheduling in distributed virtual manufacturing. <i>IIE Transactions</i> , 2002 , 34, 77-89		14
97	Interactive AR-assisted product disassembly sequence planning (ARDIS). <i>International Journal of Production Research</i> , 2020 , 58, 4916-4931	7.8	13
96	Automated synthesis of modular fixture designs using an evolutionary search algorithm. <i>International Journal of Production Research</i> , 2005 , 43, 5047-5070	7.8	13
95	Registration based on projective reconstruction technique for augmented reality systems. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2005 , 11, 254-64	4	13
94	Automatic recognition of design and machining features from prismatic parts. <i>International Journal of Advanced Manufacturing Technology</i> , 1996 , 11, 136-145	3.2	13
93	Optimal Pass Planning for Robotic Welding of Large-dimension Joints with Deep Grooves. <i>Procedia CIRP</i> , 2016 , 56, 188-192	1.8	13
92	An Integrated Approach for Product Remanufacturing Assessment and Planning. <i>Procedia CIRP</i> , 2016 , 40, 262-267	1.8	13
91	Point cloud augmented virtual reality environment with haptic constraints for teleoperation. <i>Transactions of the Institute of Measurement and Control</i> , 2018 , 40, 4091-4104	1.8	12
90	Robust fixture layout with the multi-objective non-dominated ACO/GA approach. <i>CIRP Annals - Manufacturing Technology</i> , 2011 , 60, 183-186	4.9	12

89	2010,		12
88	Reducing tardy jobs by integrating process planning and scheduling functions. <i>International Journal of Production Research</i> , 2009 , 47, 6069-6084	7.8	12
87	A platform for facilitating mass collaborative product realization. <i>CIRP Annals - Manufacturing Technology</i> , 2009 , 58, 127-130	4.9	12
86	Assembly Design and Evaluation Based on Bare-Hand Interaction in an Augmented Reality Environment 2009 ,		12
85	Platform differentiation plan for platform leverage across market niches. <i>CIRP Annals - Manufacturing Technology</i> , 2008 , 57, 141-144	4.9	12
84	Insert design automation for progressive dies. <i>International Journal of Advanced Manufacturing Technology</i> , 2006 , 28, 279-285	3.2	12
83	Background and Concept of Digital Twin 2019 , 3-28		11
82	Development of a shoe-mounted assistive user interface for navigation. <i>International Journal of Sensor Networks</i> , 2011 , 9, 3	0.8	11
81	A Volumetric Model-Based CNC Simulation and Monitoring System in Augmented Environments 2006 ,		11
80	Hand rehabilitation based on augmented reality 2009 ,		11
79	Design for Remanufacturing - A Fuzzy-QFD Approach 2013 , 655-661		11
78	Augmented Reality in Assistive Technology and Rehabilitation Engineering 2011 , 603-630		11
77	Analysis of mechanical systems with adaptable functions for the evaluation of functional coupling and component importance. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 76, 1449-1458	3.2	10
76	Conceptual design using functional 3D models in augmented reality. <i>International Journal on Interactive Design and Manufacturing</i> , 2015 , 9, 115-133	1.9	10
75	A holistic decision support tool for remanufacturing: end-of-life (EOL) strategy planning. <i>Advances in Manufacturing</i> , 2016 , 4, 189-201	2.7	10
74	An approach for augmented learning of finite element analysis. <i>Computer Applications in Engineering Education</i> , 2019 , 27, 921-933	1.6	9
73	Design and Development of an in situ Machining Simulation System Using Augmented Reality Technology. <i>Procedia CIRP</i> , 2012 , 3, 185-190	1.8	9
72	Computer vision centric hybrid tracking for augmented reality in outdoor urban environments 2009 ,		8

71	A Framework for Multiple-View Product Representation Using Augmented Reality 2006 ,		8
70	Human-oriented maintenance and disassembly in sustainable manufacturing. <i>Computers and Industrial Engineering</i> , 2020 , 150, 106903	6.4	8
69	A Mobile Solution for Augmenting a Manufacturing Environment with User-Generated Annotations. <i>Information (Switzerland)</i> , 2019 , 10, 60	2.6	7
68	A swarm optimization approach for solving workspace determination of parallel manipulators. <i>Robotica</i> , 2015 , 33, 649-668	2.1	7
67	Towards Implementation of DfRem into the Product Development Process. <i>Procedia CIRP</i> , 2015 , 26, 565-570	5.7	7
66	A multiple sensor-based shoe-mounted user interface designed for navigation systems for the visually impaired 2010 ,		7
65	Collaborative design in 3D space 2008 ,		7
64	Enhancing mechanisms education through interaction with augmented reality simulation. <i>Computer Applications in Engineering Education</i> , 2018 , 26, 1552-1564	1.6	7
63	Augmented Reality in Product Development and Manufacturing 2011 , 651-669		7
62	Digital Twin and Virtual Reality and Augmented Reality/Mixed Reality 2019 , 219-241		6
61	Assistive obstacle detection and navigation devices for vision-impaired users. <i>Disability and Rehabilitation: Assistive Technology</i> , 2013 , 8, 409-16	1.8	6
60	Region-restricted rapid keypoint registration. <i>Optics Express</i> , 2009 , 17, 22096-101	3.3	6
59	State-of-the-art survey on digital twin implementations. <i>Advances in Manufacturing</i> , 2022 , 10, 1-23	2.7	6
58	Design and development of a navigation assistance system for visually impaired individuals 2009 ,		6
57	A Design Feature-based Approach for Product Remanufacturability Assessment and Analysis. <i>Procedia CIRP</i> , 2016 , 53, 15-20	1.8	6
56	A Brief Introduction of VR and AR Applications in Manufacturing 2004 , 1-11		6
55	Optimal pass planning for robotic welding of large-dimension joints with nonuniform grooves. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2018 , 232, 2386-2397	2.4	5
54	Mobile augmented reality visualization and collaboration techniques for on-site finite element structural analysis. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2018 , 09, 1840001	0.8	5

53	Coordination for replicated collaborative feature modeling. <i>International Journal on Interactive Design and Manufacturing</i> , 2010 , 4, 191-200	1.9	5
52	A differential GPS carrier phase technique for precision outdoor AR tracking 2008 ,		5
51	Simulating the generic job shop as a multi-agent system. <i>International Journal of Intelligent Systems Technologies and Applications</i> , 2008 , 4, 5	0.5	5
50	Process Modelling and Formulation for the Development of an Intelligent Set-up Planning System. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 1995 , 209, 455-467	2.4	5
49	Applications of Digital Twin 2019 , 29-62		4
48	Registration of a hybrid robot using the Degradation-Kronecker method and a purely nonlinear method. <i>Robotica</i> , 2016 , 34, 2729-2740	2.1	4
47	An Adaptive Machining Fixture Design System for Automatically Dealing With Design Changes. <i>Journal of Computing and Information Science in Engineering</i> , 2007 , 7, 259-268	2.4	4
46	Product disassembly sequence planning: state-of-the-art, challenges, opportunities and future directions. <i>International Journal of Production Research</i> , 2021 , 59, 3493-3508	7.8	4
45	3D bare-hand interactions enabling ubiquitous interactions with smart objects. <i>Advances in Manufacturing</i> , 2020 , 8, 133-143	2.7	3
44	Optimization design of general triglide parallel manipulators. <i>Advanced Robotics</i> , 2016 , 30, 1027-1038	1.7	3
43	Use of Embedded Smart Sensors in Products to Facilitate Remanufacturing 2015 , 3265-3290		3
42	A novel evaluation index for adolescent idiopathic scoliosis progression measurement and diagnosis. <i>Technology and Health Care</i> , 2014 , 22, 225-41	1.1	3
41	Improved Intelligent Water Drops Optimization for Single and Multiple Objective Job Shop Scheduling. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 128-133		3
40	The effectiveness of detector combinations. <i>Optics Express</i> , 2009 , 17, 7407-18	3.3	3
39	A methodology for evaluating the manufacturing ability of equipment in virtual enterprises. <i>International Journal of Computer Integrated Manufacturing</i> , 2006 , 19, 339-349	4.3	3
38	Wearable interface for the physical disabled 2007 ,		3
37	Managing modular fixture elements with Tabu Search in a Web-based environment. <i>International Journal of Production Research</i> , 2003 , 41, 1665-1687	7.8	3
36	Digital twin data: methods and key technologies. <i>Digital Twin</i> , 1, 2		3

35	Markerless Augmented Reality Using a Robust Point Transferring Method. <i>Lecture Notes in Computer Science</i> , 2006 , 258-268	0.9	3
34	AR-assisted robot welding programming. <i>Advances in Manufacturing</i> , 2020 , 8, 40-48	2.7	3
33	A physical model and data-driven hybrid prediction method towards quality assurance for composite components. <i>CIRP Annals - Manufacturing Technology</i> , 2021 , 70, 115-118	4.9	3
32	Improving maintenance efficiency and safety through a human-centric approach. <i>Advances in Manufacturing</i> , 2021 , 9, 104-114	2.7	3
31	Product Design for Remanufacturing 2015 , 3195-3217		3
30	Projection-based Augmented Reality Interface for Robot Grasping Tasks 2019 ,		2
29	A new history-independent modeling approach for feature-based design. <i>International Journal of Advanced Manufacturing Technology</i> , 2012 , 59, 841-858	3.2	2
28	Multi-agent-based Pay-Per-Use (PpU) distributed manufacturing. <i>International Journal of Computer Applications in Technology</i> , 2011 , 40, 114	0.7	2
27	AR-assisted in situ machining simulation 2008 ,		2
26	A staged approach for feature extraction from sheet metal part models. <i>International Journal of Production Research</i> , 2007 , 45, 3521-3544	7.8	2
25	A functional approach for standard component reuse. <i>International Journal of Advanced Manufacturing Technology</i> , 2003 , 22, 141-149	3.2	2
24	Digital twin driven conceptual design 2020 , 33-66		2
23	Digital twin driven smart product design framework 2020 , 3-32		2
22	Web-Based Fault Diagnostic and Learning System 2001 , 18, 502		2
21	Opportunistic maintenance for multi-unit series systems based on gated recurrent units prediction model. <i>CIRP Annals - Manufacturing Technology</i> , 2020 , 69, 25-28	4.9	2
20	Product Design for Remanufacturing 2014 , 1-20		2
19	Optimum calibration of a parallel kinematic manipulator using digital indicators. <i>Advances in Manufacturing</i> , 2014 , 2, 222-230	2.7	1
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