

Andrew Nee

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.

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	State-of-the-art survey on digital twin implementations. <i>Advances in Manufacturing</i> , 2022 , 10, 1-23	2.7	6
213	From service to digital twin service 2022 , 1-31		
212	Digital Twin Enhanced Dynamic Job-Shop Scheduling. <i>Journal of Manufacturing Systems</i> , 2021 , 58, 146-156	5.6	69
211	Enabling technologies and tools for digital twin. <i>Journal of Manufacturing Systems</i> , 2021 , 58, 3-21	9.1	224
210	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
209	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
208	An Integrated Mobile Augmented Reality Digital Twin Monitoring System. <i>Computers</i> , 2021 , 10, 99	1.9	0
207	Image and model sequences matching for on-site assembly stage identification. <i>Robotics and Computer-Integrated Manufacturing</i> , 2021 , 72, 102185	9.2	0
206	Improving maintenance efficiency and safety through a human-centric approach. <i>Advances in Manufacturing</i> , 2021 , 9, 104-114	2.7	3
205	3D bare-hand interactions enabling ubiquitous interactions with smart objects. <i>Advances in Manufacturing</i> , 2020 , 8, 133-143	2.7	3
204	Interactive AR-assisted product disassembly sequence planning (ARDIS). <i>International Journal of Production Research</i> , 2020 , 58, 4916-4931	7.8	13
203	Digital twin driven conceptual design 2020 , 33-66		2
202	Digital twin driven smart product design framework 2020 , 3-32		2
201	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
200	AR-assisted robot welding programming. <i>Advances in Manufacturing</i> , 2020 , 8, 40-48	2.7	3
199	Human-oriented maintenance and disassembly in sustainable manufacturing. <i>Computers and Industrial Engineering</i> , 2020 , 150, 106903	6.4	8
198	Augmented reality-assisted robot programming system for industrial applications. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020 , 61, 101820	9.2	51

197	Enhancing smart shop floor management with ubiquitous augmented reality. <i>International Journal of Production Research</i> , 2020 , 58, 2352-2367	7.8	23
196	An approach for augmented learning of finite element analysis. <i>Computer Applications in Engineering Education</i> , 2019 , 27, 921-933	1.6	9
195	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
194	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
193	A Mobile Solution for Augmenting a Manufacturing Environment with User-Generated Annotations. <i>Information (Switzerland)</i> , 2019 , 10, 60	2.6	7
192	Background and Concept of Digital Twin 2019 , 3-28		11
191	Applications of Digital Twin 2019 , 29-62		4
190	Five-Dimension Digital Twin Modeling and Its Key Technologies 2019 , 63-81		14
189	CyberPhysical Fusion in Digital Twin Shop-Floor 2019 , 125-139		0
188	Digital Twin-Driven Prognostics and Health Management 2019 , 141-167		
187	Digital Twin and Virtual Reality and Augmented Reality/Mixed Reality 2019 , 219-241		6
186	Functional upgrading fundamental and performance upgrading priority ranking of adaptable-function products. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019 , 233, 2135-2148	1.3	0
185	Projection-based Augmented Reality Interface for Robot Grasping Tasks 2019 ,		2
184	User-Oriented Augmented Reality Content Delivery and Management for Ubiquitous Manufacturing. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2019 , 141,	3.3	1
183	Digital Twin in Industry: State-of-the-Art. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 2405-2415	11.9	658
182	Digital twin-driven product design framework. <i>International Journal of Production Research</i> , 2019 , 57, 3935-3953	7.8	302
181	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
180	A comprehensive survey of ubiquitous manufacturing research. <i>International Journal of Production Research</i> , 2018 , 56, 604-628	7.8	57

179	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
178	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
177	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
176	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
175	Digital twin driven prognostics and health management for complex equipment. <i>CIRP Annals - Manufacturing Technology</i> , 2018 , 67, 169-172	4.9	265
174	Enhancing mechanisms education through interaction with augmented reality simulation. <i>Computer Applications in Engineering Education</i> , 2018 , 26, 1552-1564	1.6	7
173	Advanced manufacturing systems: socialization characteristics and trends. <i>Journal of Intelligent Manufacturing</i> , 2017 , 28, 1079-1094	6.7	203
172	Designing automotive products for remanufacturing from material selection perspective. <i>Journal of Cleaner Production</i> , 2017 , 153, 570-579	10.3	50
171	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
170	Approaches and Challenges in Product Disassembly Planning for Sustainability. <i>Procedia CIRP</i> , 2017 , 60, 506-511	1.8	32
169	AR-guided Product Disassembly for Maintenance and Remanufacturing. <i>Procedia CIRP</i> , 2017 , 61, 299-304	1.8	26
168	Adaptive pass planning and optimization for robotic welding of complex joints. <i>Advances in Manufacturing</i> , 2017 , 5, 93-104	2.7	22
167	Complex networks in advanced manufacturing systems. <i>Journal of Manufacturing Systems</i> , 2017 , 43, 409-421	4.1	37
166	Haptic and visual augmented reality interface for programming welding robots. <i>Advances in Manufacturing</i> , 2017 , 5, 191-198	2.7	31
165	Visualization and interaction of finite element analysis in augmented reality. <i>CAD Computer Aided Design</i> , 2017 , 84, 1-14	2.9	27
164	Robot path planning optimization for welding complex joints. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 90, 3829-3839	3.2	32
163	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
162	Immersive Augmented Reality Environment for the Teleoperation of Maintenance Robots. <i>Procedia CIRP</i> , 2017 , 61, 305-310	1.8	22

161	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
160	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
159	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
158	Multi-modal augmented-reality assembly guidance based on bare-hand interface. <i>Advanced Engineering Informatics</i> , 2016 , 30, 406-421	7.4	80
157	Optimization design of general triglide parallel manipulators. <i>Advanced Robotics</i> , 2016 , 30, 1027-1038	1.7	3
156	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
155	A comprehensive survey of augmented reality assembly research. <i>Advances in Manufacturing</i> , 2016 , 4, 1-22	2.7	224
154	Design for assembly and disassembly for remanufacturing. <i>Assembly Automation</i> , 2016 , 36, 12-24	2.1	34
153	Towards a griddable distributed manufacturing system with augmented reality interfaces. <i>Robotics and Computer-Integrated Manufacturing</i> , 2016 , 39, 43-55	9.2	62
152	Augmented Reality Interfaces for Smart Objects in Ubiquitous Computing Environments 2016 , 939-960		
151	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
150	Optimal Pass Planning for Robotic Welding of Large-dimension Joints with Deep Grooves. <i>Procedia CIRP</i> , 2016 , 56, 188-192	1.8	13
149	Real-virtual components interaction for assembly simulation and planning. <i>Robotics and Computer-Integrated Manufacturing</i> , 2016 , 41, 102-114	9.2	51
148	An Integrated Approach for Product Remanufacturing Assessment and Planning. <i>Procedia CIRP</i> , 2016 , 40, 262-267	1.8	13
147	A Decision Support Tool for Product Design for Remanufacturing. <i>Procedia CIRP</i> , 2016 , 40, 144-149	1.8	26
146	A Design Feature-based Approach for Product Remanufacturability Assessment and Analysis. <i>Procedia CIRP</i> , 2016 , 53, 15-20	1.8	6
145	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
144	EOL strategy planning for components of returned products. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 77, 991-1003	3.2	14

- 143 Analysis of mechanical systems with adaptable functions for the evaluation of functional coupling and component importance. *International Journal of Advanced Manufacturing Technology*, **2015**, 76, 1449-1458^{3,2} 10
- 142 A swarm optimization approach for solving workspace determination of parallel manipulators. *Robotica*, **2015**, 33, 649-668 2.1 7
- 141 Automating design with intelligent human-machine integration. *CIRP Annals - Manufacturing Technology*, **2015**, 64, 655-677 4.9 23
- 140 Application of Design for Disassembly from Remanufacturing Perspective. *Procedia CIRP*, **2015**, 26, 577-582 29
- 139 A simulation-based genetic algorithm approach for remanufacturing process planning and scheduling. *Applied Soft Computing Journal*, **2015**, 37, 521-532 7.5 40
- 138 A context-aware augmented reality assisted maintenance system. *International Journal of Computer Integrated Manufacturing*, **2015**, 28, 213-225 4.3 36
- 137 Conceptual design using functional 3D models in augmented reality. *International Journal on Interactive Design and Manufacturing*, **2015**, 9, 115-133 1.9 10
- 136 Product Remanufacturability Assessment and Implementation Based on Design Features. *Procedia CIRP*, **2015**, 26, 571-576 1.8 15
- 135 Real-virtual interaction in AR assembly simulation based on component contact handling strategy. *Assembly Automation*, **2015**, 35, 376-394 2.1 14
- 134 Use of Embedded Smart Sensors in Products to Facilitate Remanufacturing **2015**, 3265-3290 3
- 133 Real-time finite element structural analysis in augmented reality. *Advances in Engineering Software*, **2015**, 87, 43-56 3.6 34
- 132 The Impact of Automotive Product Remanufacturing on Environmental Performance. *Procedia CIRP*, **2015**, 29, 774-779 1.8 31
- 131 Towards Implementation of DfRem into the Product Development Process. *Procedia CIRP*, **2015**, 26, 565-570 7
- 130 Improved Intelligent Water Drops Optimization Algorithm for Achieving Single and Multiple Objective Job Shop Scheduling Solutions **2015**, 3451-3474
- 129 Product Design for Remanufacturing **2015**, 3195-3217 3
- 128 An AR-based hybrid approach for facility layout planning and evaluation for existing shop floors. *International Journal of Advanced Manufacturing Technology*, **2014**, 72, 457-473 3.2 15
- 127 Optimum calibration of a parallel kinematic manipulator using digital indicators. *Advances in Manufacturing*, **2014**, 2, 222-230 2.7 1
- 126 A novel augmented reality-based interface for robot path planning. *International Journal on Interactive Design and Manufacturing*, **2014**, 8, 33-42 1.9 39

125	Design for Disassembly for Remanufacturing: Methodology and Technology. <i>Procedia CIRP</i> , 2014 , 15, 407-412	1.8	39
124	Modular Design of Machine Tools to Facilitate Design for Disassembly and Remanufacturing. <i>Procedia CIRP</i> , 2014 , 15, 443-448	1.8	23
123	Remanufacturing Process Planning. <i>Procedia CIRP</i> , 2014 , 15, 189-194	1.8	37
122	Product Remanufacturability Assessment based on Design Information. <i>Procedia CIRP</i> , 2014 , 15, 195-200	1.8	15
121	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
120	Novel AR-based interface for human-robot interaction and visualization. <i>Advances in Manufacturing</i> , 2014 , 2, 275-288	2.7	33
119	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
118	Use of Embedded Smart Sensors in Products to Facilitate Remanufacturing 2014 , 1-22		1
117	Augmented Reality Interfaces for Smart Objects in Ubiquitous Computing Environments. <i>Advances in Human and Social Aspects of Technology Book Series</i> , 2014 , 208-229	0.2	
116	Product Design for Remanufacturing 2014 , 1-20		2
115	Augmented reality aided interactive manual assembly design. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 69, 1311-1321	3.2	53
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	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
112	CAD model based virtual assembly simulation, planning and training. <i>CIRP Annals - Manufacturing Technology</i> , 2013 , 62, 799-822	4.9	105
111	A novel facility layout planning and optimization methodology. <i>CIRP Annals - Manufacturing Technology</i> , 2013 , 62, 483-486	4.9	36
110	Integrated product design and assembly planning in an augmented reality environment. <i>Assembly Automation</i> , 2013 , 33, 345-359	2.1	22
109	Assistive obstacle detection and navigation devices for vision-impaired users. <i>Disability and Rehabilitation: Assistive Technology</i> , 2013 , 8, 409-16	1.8	6
108	Assembly planning and evaluation in an augmented reality environment. <i>International Journal of Production Research</i> , 2013 , 51, 7388-7404	7.8	32

107	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
106	Virtual and Augmented Reality Applications in Manufacturing. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 15-26		59
105	Design for Remanufacturing - A Fuzzy-QFD Approach 2013 , 655-661		11
104	Interactive robot trajectory planning and simulation using Augmented Reality. <i>Robotics and Computer-Integrated Manufacturing</i> , 2012 , 28, 227-237	9.2	78
103	Augmented reality applications in design and manufacturing. <i>CIRP Annals - Manufacturing Technology</i> , 2012 , 61, 657-679	4.9	402
102	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
101	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
100	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
99	Robot Path and End-Effector Orientation Planning Using Augmented Reality. <i>Procedia CIRP</i> , 2012 , 3, 191-196	1.8	17
98	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
97	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
96	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
95	A novel approach in rehabilitation of hand-eye coordination and finger dexterity. <i>Virtual Reality</i> , 2012 , 16, 161-171	6	14
94	Vision-Based Hand Interaction in Augmented Reality Environment. <i>International Journal of Human-Computer Interaction</i> , 2011 , 27, 523-544	3.6	48
93	A Hybrid Particle Swarm and Ant Colony Optimizer for Multi-attribute Partnership Selection in Virtual Enterprises 2011 , 289-326		0
92	Multi-agent-based Pay-Per-Use (PpU) distributed manufacturing. <i>International Journal of Computer Applications in Technology</i> , 2011 , 40, 114	0.7	2
91	Development of a shoe-mounted assistive user interface for navigation. <i>International Journal of Sensor Networks</i> , 2011 , 9, 3	0.8	11
90	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

89	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
88	A surface blending approach for displacement features on freeform surfaces. <i>CAD Computer Aided Design</i> , 2011 , 43, 57-66	2.9	
87	GRAONTO: A graph-based approach for automatic construction of domain ontology. <i>Expert Systems With Applications</i> , 2011 , 38, 11958-11975	7.8	26
86	A review of the application of grid technology in manufacturing. <i>International Journal of Production Research</i> , 2011 , 49, 4119-4155	7.8	65
85	RFID-assisted assembly guidance system in an augmented reality environment. <i>International Journal of Production Research</i> , 2011 , 49, 3919-3938	7.8	49
84	SmARt World - User-Friendly Mobile Ubiquitous Augmented Reality Framework 2011 , 39-51		1
83	Augmented Reality in Assistive Technology and Rehabilitation Engineering 2011 , 603-630		11
82	Augmented Reality in Product Development and Manufacturing 2011 , 651-669		7
81	A multiple sensor-based shoe-mounted user interface designed for navigation systems for the visually impaired 2010 ,		7
80	Agent-based distributed scheduling for virtual job shops. <i>International Journal of Production Research</i> , 2010 , 48, 3889-3910	7.8	17
79	A PSO algorithm for mapping the workspace boundary of parallel manipulators 2010 ,		1
78	2010 ,		12
77	A novel AR-based robot programming and path planning methodology. <i>Robotics and Computer-Integrated Manufacturing</i> , 2010 , 26, 240-249	9.2	29
76	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
75	Coordination for replicated collaborative feature modeling. <i>International Journal on Interactive Design and Manufacturing</i> , 2010 , 4, 191-200	1.9	5
74	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
73	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
72	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

71	Augmented reality for collaborative product design and development. <i>Design Studies</i> , 2010 , 31, 118-145	3.6	83
70	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
69	Reducing tardy jobs by integrating process planning and scheduling functions. <i>International Journal of Production Research</i> , 2009 , 47, 6069-6084	7.8	12
68	Computer vision centric hybrid tracking for augmented reality in outdoor urban environments 2009 ,		8
67	A platform for facilitating mass collaborative product realization. <i>CIRP Annals - Manufacturing Technology</i> , 2009 , 58, 127-130	4.9	12
66	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
65	Assembly Design and Evaluation Based on Bare-Hand Interaction in an Augmented Reality Environment 2009 ,		12
64	The effectiveness of detector combinations. <i>Optics Express</i> , 2009 , 17, 7407-18	3.3	3
63	Region-restricted rapid keypoint registration. <i>Optics Express</i> , 2009 , 17, 22096-101	3.3	6
62	Robot Programming Using Augmented Reality 2009 ,		27
61	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
60	Design and development of a navigation assistance system for visually impaired individuals 2009 ,		6
59	Hand rehabilitation based on augmented reality 2009 ,		11
58	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
57	Augmented reality applications in manufacturing: a survey. <i>International Journal of Production Research</i> , 2008 , 46, 2707-2742	7.8	220
56	A differential GPS carrier phase technique for precision outdoor AR tracking 2008 ,		5
55	Augmented reality for assembly guidance using a virtual interactive tool. <i>International Journal of Production Research</i> , 2008 , 46, 1745-1767	7.8	93
54	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

53	AR-assisted in situ machining simulation 2008 ,		2
52	Collaborative design in 3D space 2008 ,		7
51	Product information visualization and augmentation in collaborative design. <i>CAD Computer Aided Design</i> , 2008 , 40, 963-974	2.9	34
50	Platform differentiation plan for platform leverage across market niches. <i>CIRP Annals - Manufacturing Technology</i> , 2008 , 57, 141-144	4.9	12
49	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
48	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
47	Augmented Reality Aided Assembly Design and Planning. <i>CIRP Annals - Manufacturing Technology</i> , 2007 , 56, 49-52	4.9	65
46	Towards a generic distributed and collaborative digital manufacturing. <i>Robotics and Computer-Integrated Manufacturing</i> , 2007 , 23, 267-275	9.2	20
45	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
44	Wearable interface for the physical disabled 2007 ,		3
43	Assist disabled to control electronic devices and access computer functions by voice commands 2007 ,		1
42	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
41	Evaluation of product performance in product family design re-use. <i>International Journal of Production Research</i> , 2007 , 45, 4119-4141	7.8	17
40	Web-based configuration design system for product customization. <i>International Journal of Production Research</i> , 2006 , 44, 351-382	7.8	43
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	A Framework for Multiple-View Product Representation Using Augmented Reality 2006 ,		8
37	Registration using natural features for augmented reality systems. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2006 , 12, 569-80	4	33
36	A Volumetric Model-Based CNC Simulation and Monitoring System in Augmented Environments 2006 ,		11

35	Fixture design information support for integrated design and manufacturing. <i>International Journal of Production Research</i> , 2006 , 44, 2205-2219	7.8	17
34	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
33	Insert design automation for progressive dies. <i>International Journal of Advanced Manufacturing Technology</i> , 2006 , 28, 279-285	3.2	12
32	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
31	Markerless Augmented Reality Using a Robust Point Transferring Method. <i>Lecture Notes in Computer Science</i> , 2006 , 258-268	0.9	3
30	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
29	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
28	An adaptive fixture design system for integrated product and process design 2005 ,		1
27	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
26	Adaptable Design. <i>CIRP Annals - Manufacturing Technology</i> , 2004 , 53, 539-557	4.9	133
25	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
24	Feature-based design in a distributed and collaborative environment. <i>CAD Computer Aided Design</i> , 2004 , 36, 775-797	2.9	80
23	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
22	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
21	Modeling, analysis, and verification of optimal fixturing design. <i>IEEE Transactions on Automation Science and Engineering</i> , 2004 , 1, 121-132	4.9	28
20	A Brief Introduction of VR and AR Applications in Manufacturing 2004 , 1-11		6
19	A modified genetic algorithm for distributed scheduling problems. <i>Journal of Intelligent Manufacturing</i> , 2003 , 14, 351-362	6.7	133
18	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

17	A functional approach for standard component reuse. <i>International Journal of Advanced Manufacturing Technology</i> , 2003 , 22, 141-149	3.2	2
16	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
15	A hybrid method for recognizing interacting machining features. <i>International Journal of Production Research</i> , 2003 , 41, 1887-1908	7.8	28
14	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
13	An Internet-Based Virtual CNC Milling System. <i>International Journal of Advanced Manufacturing Technology</i> , 2002 , 20, 20-30	3.2	47
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