

Weidong Li

List of Publications by Year in descending order

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Version: 2024-02-01

112
papers

4,125
citations

126907

33
h-index

118850

62
g-index

116
all docs

116
docs citations

116
times ranked

2793
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive obstacle avoidance in path planning of collaborative robots for dynamic manufacturing. Journal of Intelligent Manufacturing, 2023, 34, 789-807.	7.3	8
2	An improved approach of task-parameterized learning from demonstrations for cobots in dynamic manufacturing. Journal of Intelligent Manufacturing, 2022, 33, 1503-1519.	7.3	2
3	Cutting tool prognostics enabled by hybrid CNN-LSTM with transfer learning. International Journal of Advanced Manufacturing Technology, 2022, 118, 817-836.	3.0	28
4	Thermal error prediction for heavy-duty CNC machines enabled by long short-term memory networks and fog-cloud architecture. Journal of Manufacturing Systems, 2022, 62, 950-963.	13.9	40
5	Improving knowledge graph completion via increasing embedding interactions. Applied Intelligence, 2022, 52, 9289-9307.	5.3	7
6	Prediction of the remaining useful life of cutting tool using the Hurst exponent and CNN-LSTM. International Journal of Advanced Manufacturing Technology, 2021, 112, 2277-2299.	3.0	40
7	Heterogeneous sensors-based feature optimisation and deep learning for tool wear prediction. International Journal of Advanced Manufacturing Technology, 2021, 114, 2651-2675.	3.0	25
8	Reinforcement Learning based Optimization for Cobot's Path Generation in Collaborative Tasks. , 2021, , .		0
9	iTP-LfD: Improved task parametrised learning from demonstration for adaptive path generation of cobot. Robotics and Computer-Integrated Manufacturing, 2021, 69, 102109.	9.9	13
10	Ring Gaussian Mixture Modelling and Regression for collaborative robots. Robotics and Autonomous Systems, 2021, 145, 103864.	5.1	4
11	Optimised Learning from Demonstrations for Collaborative Robots. Robotics and Computer-Integrated Manufacturing, 2021, 71, 102169.	9.9	12
12	Transfer learning enabled convolutional neural networks for estimating health state of cutting tools. Robotics and Computer-Integrated Manufacturing, 2021, 71, 102145.	9.9	53
13	Partial encryption of feature-based product models for collaborative development. Robotics and Computer-Integrated Manufacturing, 2020, 63, 101918.	9.9	1
14	Deep transfer learning based diagnosis for machining process lifecycle. Procedia CIRP, 2020, 90, 642-647.	1.9	15
15	A cloud-terminal-based cyber-physical system architecture for energy efficient machining process optimization. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 1049-1064.	4.9	20
16	Data-Driven Anomaly Diagnosis for Machining Processes. Engineering, 2019, 5, 646-652.	6.7	27
17	Enhance knowledge graph embedding via fake triples. , 2019, , .		2
18	Fog computing and convolutional neural network enabled prognosis for machining process optimization. Journal of Manufacturing Systems, 2019, 52, 32-42.	13.9	50

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19	Cobot programming for collaborative industrial tasks: An overview. <i>Robotics and Autonomous Systems</i> , 2019, 116, 162-180.	5.1	260
20	Energy-Efficient machining process analysis and optimisation based on BS EN24T alloy steel as case studies. <i>Robotics and Computer-Integrated Manufacturing</i> , 2019, 58, 1-12.	9.9	26
21	Graph2Seq: Fusion Embedding Learning for Knowledge Graph Completion. <i>IEEE Access</i> , 2019, 7, 157960-157971.	4.2	12
22	Secure Sharing of Design Genes in CAD Models for Collaborative Design. , 2019, , .		2
23	Supervision controller for real-time surface quality assurance in CNC machining using artificial intelligence. <i>Computers and Industrial Engineering</i> , 2019, 127, 158-168.	6.3	33
24	A Semantic Information Services Framework for Sustainable WEEE Management Toward Cloud-Based Remanufacturing. , 2019, , 235-257.		1
25	Cyber Physical System and Big Data enabled energy efficient machining optimisation. <i>Journal of Cleaner Production</i> , 2018, 187, 46-62.	9.3	97
26	A multi-granularity NC program optimization approach for energy efficient machining. <i>Advances in Engineering Software</i> , 2018, 115, 75-86.	3.8	14
27	Research on energy consumption and energy efficiency of machine tools: a comprehensive survey. <i>International Journal of Nanomanufacturing</i> , 2018, 14, 140.	0.3	2
28	A multi-sensor based online tool condition monitoring system for milling process. <i>Procedia CIRP</i> , 2018, 72, 1136-1141.	1.9	50
29	Intelligent Immune System for Sustainable Manufacturing. , 2018, , .		2
30	Big Data enabled Intelligent Immune System for energy efficient manufacturing management. <i>Journal of Cleaner Production</i> , 2018, 195, 507-520.	9.3	57
31	A systematic selective disassembly approach for Waste Electrical and Electronic Equipment with case study on liquid crystal display televisions. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2017, 231, 2261-2278.	2.4	27
32	Experimental investigation and multi-objective optimization approach for low-carbon milling operation of aluminum. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2017, 231, 2753-2772.	2.1	16
33	Parametric and adaptive encryption of feature-based computer-aided design models for cloud-based collaboration. <i>Integrated Computer-Aided Engineering</i> , 2017, 24, 129-142.	4.6	13
34	Towards a Formal Ontology to Support Interoperability Across Multiple Product Lifecycle Domains. , 2017, , .		2
35	An encryption approach for product assembly models. <i>Advanced Engineering Informatics</i> , 2017, 33, 374-387.	8.0	5
36	Service-oriented disassembly sequence planning for electrical and electronic equipment waste. <i>Electronic Commerce Research and Applications</i> , 2016, 20, 59-68.	5.0	20

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37	Customized disassembly and processing of waste electrical and electronic equipment. Manufacturing Letters, 2016, 9, 7-10.	2.2	4
38	Parametric Encryption of CAD models in Cloud manufacturing environment. , 2016, , .		1
39	Sensitive Information Protection of CAD Model Based on Free-Form Deformation in Collaborative Design. Lecture Notes in Computer Science, 2016, , 465-474.	1.3	1
40	Operation-effects merging for collaborative design of personalized product. , 2015, , .		1
41	Customized Encryption of Computer Aided Design Models for Collaboration in Cloud Manufacturing Environment. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2015, 137, .	2.2	29
42	A hybrid optimization approach for sustainable process planning and scheduling. Integrated Computer-Aided Engineering, 2015, 22, 311-326.	4.6	39
43	Encryption based partial sharing of CAD models. Integrated Computer-Aided Engineering, 2015, 22, 243-260.	4.6	35
44	Editorial for the special issue of decision support for sustainable design and manufacturing. Journal of Industrial and Production Engineering, 2015, 32, 1-2.	3.1	14
45	A systematic end-of-life management approach for Waste Electrical and Electronic Equipment. , 2015, , .		2
46	Use of Single Board Computers as Smart Sensors in the Manufacturing Industry. Procedia Engineering, 2015, 132, 153-159.	1.2	19
47	A Semantic Information Services Framework for Sustainable WEEE Management Toward Cloud-Based Remanufacturing. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2015, 137, .	2.2	29
48	Energy-aware integrated process planning and scheduling for job shops. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 13-26.	2.4	52
49	Superpixel based semantic segmentation for assistance in varying terrain driving conditions. Advances in Intelligent Systems and Computing, 2015, , 691-698.	0.6	0
50	Development of a WSN based real time energy monitoring platform for industrial applications. , 2015, , .		16
51	A systematic approach of process planning and scheduling optimization for sustainable machining. Journal of Cleaner Production, 2015, 87, 914-929.	9.3	108
52	Stochastic modeling of dynamic right-sizing for energy-efficiency in cloud data centers. Future Generation Computer Systems, 2015, 48, 82-95.	7.5	34
53	Life Cycle Management of LCD Televisions “ Case Study. , 2015, , 3405-3435.		1
54	A Q-Learning Based Selective Disassembly Planning Service in the Cloud Based Remanufacturing System for WEEE. , 2014, , .		11

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55	Partial Encryption Based Secure Sharing of CAD Models for Cloud-Based Design. , 2014, , .		0
56	Energy Consumption Data Based Machine Anomaly Detection. , 2014, , .		8
57	Disassembly sequence planning using a Simplified Teaching- Learning-Based Optimization algorithm. Advanced Engineering Informatics, 2014, 28, 518-527.	8.0	69
58	Solution space generation for disassembly research on liquid crystal displays televisions. , 2014, , .		0
59	Life Cycle Management of LCD Televisions: A Case Study. , 2014, , 1-28.		3
60	Key Learning Features as Means for Terrain Classification. Advances in Intelligent Systems and Computing, 2014, , 273-282.	0.6	4
61	Design chain management: bridging the gap between engineering and management. Journal of Intelligent Manufacturing, 2013, 24, 541-544.	7.3	3
62	A honey-bee mating optimization approach of collaborative process planning and scheduling for sustainable manufacturing. , 2013, , .		5
63	Energy-efficient scheduling for a flexible flow shop using an improved genetic-simulated annealing algorithm. Robotics and Computer-Integrated Manufacturing, 2013, 29, 418-429.	9.9	383
64	An Ecosystem for E-Learning in Mechatronics: The CLEM Project. , 2013, , .		4
65	Doing Better Business: Trading a Little Execution Time for High Energy Saving under SLA Constraints. , 2013, , .		0
66	A Simplified Teaching-Learning-Based Optimization Algorithm for Disassembly Sequence Planning. , 2013, , .		10
67	An adaptive process planning approach of rapid prototyping and manufacturing. Robotics and Computer-Integrated Manufacturing, 2013, 29, 23-38.	9.9	148
68	Selective disassembly planning for waste electrical and electronic equipment with case studies on liquid crystal displays. Robotics and Computer-Integrated Manufacturing, 2013, 29, 248-260.	9.9	90
69	Disassembly Matrix for Liquid Crystal Displays Televisions. Procedia CIRP, 2013, 11, 357-362.	1.9	26
70	Adaptive rapid prototyping/manufacturing for functionally graded material-based biomedical models. International Journal of Advanced Manufacturing Technology, 2013, 65, 97-113.	3.0	17
71	A methodology to estimate power consumption of numerical control machining. , 2013, , .		1
72	Evaluating part machining processes for low-carbon and energy-efficiency contexts on web. , 2013, , .		0

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73	Pulse Width Modulation (PWM) Method for Power Components Estimation - Active and Reactive Power Measurement. , 2013, , .		1
74	Multi-granularity partial encryption method of CAD model. , 2013, , .		2
75	A Distributed Service of Selective Disassembly Planning for Waste Electrical and Electronic Equipment with Case Studies on Liquid Crystal Display. Springer Series in Advanced Manufacturing, 2013, , 23-47.	0.5	6
76	A Streaming Technology of 3D Design and Manufacturing Visualization Information Sharing for Cloud-Based Collaborative Systems. Springer Series in Advanced Manufacturing, 2013, , 137-163.	0.5	5
77	Sustainable information management for Waste Electrical and Eletronic Equipment. , 2012, , .		7
78	Application of game theory based hybrid algorithm for multi-objective integrated process planning and scheduling. Expert Systems With Applications, 2012, 39, 288-297.	7.6	98
79	Tool-paths optimization of rapid prototyping to support product verification and collaboration. , 2011, , .		4
80	An effective multi-swarm collaborative evolutionary algorithm for flexible job shop scheduling problem. , 2011, , .		4
81	Adaptive tool-path generation of rapid prototyping for complex product models. Journal of Manufacturing Systems, 2011, 30, 154-164.	13.9	64
82	An effective hybrid discrete differential evolution algorithm for the flow shop scheduling with intermediate buffers. Information Sciences, 2011, 181, 668-685.	6.9	94
83	Intelligent interactive system for collaborative green computing. , 2011, , .		1
84	The novel design policies for green production. , 2011, , .		0
85	Lung Resistance Protein and Multidrug Resistance Protein in Non-Small Cell Lung Cancer and Their Clinical Significance. Journal of International Medical Research, 2011, 39, 1693-1700.	1.0	22
86	Evolving scheduling rules with gene expression programming for dynamic single-machine scheduling problems. International Journal of Advanced Manufacturing Technology, 2010, 50, 729-747.	3.0	55
87	An agent-based approach for integrated process planning and scheduling. Expert Systems With Applications, 2010, 37, 1256-1264.	7.6	91
88	The strategies of New Product Design system for Small Series Production. , 2010, , .		1
89	Optimisation of integrated process planning and scheduling using a particle swarm optimisation approach. International Journal of Production Research, 2009, 47, 3775-3796.	7.5	64
90	Microvessel Density and Expression of Thrombospondin-1 in Non-small Cell Lung Cancer and Their Correlation with Clinicopathological Features. Journal of International Medical Research, 2009, 37, 551-556.	1.0	17

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91	Applications of particle swarm optimisation in integrated process planning and scheduling. Robotics and Computer-Integrated Manufacturing, 2009, 25, 280-288.	9.9	168
92	Multi-agent based integration of process planning and scheduling. , 2009, , .		1
93	Computer supported collaborative design: Retrospective and perspective. Computers in Industry, 2008, 59, 855-862.	9.9	135
94	Game theory-based Cooperation of Process Planning and Scheduling. , 2008, , .		20
95	A simulated annealing-based optimization approach for integrated process planning and scheduling. International Journal of Computer Integrated Manufacturing, 2007, 20, 80-95.	4.6	183
96	A 3D simplification algorithm for distributed visualization. Computers in Industry, 2007, 58, 211-226.	9.9	24
97	An approach to incremental feature model conversion. International Journal of Advanced Manufacturing Technology, 2007, 32, 99-108.	3.0	6
98	State-of-the-art technologies and methodologies for collaborative product development systems. International Journal of Production Research, 2006, 44, 2525-2559.	7.5	80
99	Visualization Models and Technologies for Collaborative Product Development: Status and Promise. , 2006, , .		0
100	Advances in collaborative CAD: the-state-of-the art. CAD Computer Aided Design, 2005, 37, 571-581.	2.7	107
101	Collaborative computer-aided design" research and development status. CAD Computer Aided Design, 2005, 37, 931-940.	2.7	185
102	A Web-based service for distributed process planning optimization. Computers in Industry, 2005, 56, 272-288.	9.9	26
103	A Web-based Process Planning Optimization System for Distributed Design. Computer-Aided Design and Applications, 2004, 1, 367-376.	0.6	2
104	Advances in Collaborative CAD: The-State-of-the-Art. Computer-Aided Design and Applications, 2004, 1, 387-396.	0.6	3
105	An Internet-enabled integrated system for co-design and concurrent engineering. Computers in Industry, 2004, 55, 87-103.	9.9	84
106	Feature-based design in a distributed and collaborative environment. CAD Computer Aided Design, 2004, 36, 775-797.	2.7	105
107	Geometric model simplification for distributed CAD. CAD Computer Aided Design, 2004, 36, 809-819.	2.7	36
108	An Internet-enabled integrated system for co-design and concurrent engineering. Computers in Industry, 2004, 55, 87-87.	9.9	5

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109	STEP-based integration of feature recognition and design-by-feature for manufacturing applications in a concurrent engineering environment. International Journal of Computer Applications in Technology, 2003, 18, 78.	0.5	14
110	Hybrid genetic algorithm and simulated annealing approach for the optimization of process plans for prismatic parts. International Journal of Production Research, 2002, 40, 1899-1922.	7.5	176
111	Recognizing manufacturing features from a design-by-feature model. CAD Computer Aided Design, 2002, 34, 849-868.	2.7	69
112	Improving actor-critic structure by relatively optimal historical information for discrete system. Neural Computing and Applications, 0, , 1.	5.6	0