

Xinguo Ming

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

2,333
citations

218677

26
h-index

233421

45
g-index

83
all docs

83
docs citations

83
times ranked

1540
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicriteria Decision-Making Framework for Supplier Selection: A Customer Community-Driven Approach. <i>IEEE Transactions on Engineering Management</i> , 2023, 70, 3434-3450.	3.5	7
2	Selecting industrial IoT Platform for digital servitisation: a framework integrating platform leverage practices and cloud HBWM-TOPSIS approach. <i>International Journal of Production Research</i> , 2023, 61, 4022-4044.	7.5	15
3	A Smart system in Manufacturing with Mass Personalization (S-MMP) for blueprint and scenario driven by industrial model transformation. <i>Journal of Intelligent Manufacturing</i> , 2023, 34, 1875-1893.	7.3	1
4	Knowledge-Driven Industrial Intelligent System: Concept, Reference Model, and Application Direction. <i>IEEE Transactions on Computational Social Systems</i> , 2023, 10, 1465-1478.	4.4	4
5	A novel hesitant fuzzy linguistic hybrid cloud model and extended best-worst method for multicriteria decision making. <i>International Journal of Intelligent Systems</i> , 2022, 37, 596-624.	5.7	18
6	Service-oriented knowledge recommender system and performance evaluation in industrial product development. <i>International Journal of Production Research</i> , 2022, 60, 6226-6247.	7.5	3
7	A Birnbaum importance-based two-stage approach for two-type component assignment problems. <i>Reliability Engineering and System Safety</i> , 2022, 218, 108051.	8.9	8
8	An integrated framework of user experience-oriented smart service requirement analysis for smart product service system development. <i>Advanced Engineering Informatics</i> , 2022, 51, 101458.	8.0	24
9	Implementation path and reference framework for Industrial Internet Platform (IIP) in product service system using industrial practice investigation method. <i>Advanced Engineering Informatics</i> , 2022, 51, 101481.	8.0	9
10	Networking-enabled product service system (N-PSS) in collaborative manufacturing platform for mass personalization model. <i>Computers and Industrial Engineering</i> , 2022, 163, 107805.	6.3	9
11	Potential Requirements and Opportunities of Blockchain-Based Industrial IoT in Supply Chain: A Survey. <i>IEEE Transactions on Computational Social Systems</i> , 2022, 9, 1469-1483.	4.4	13
12	A Pythagorean fuzzy ANP-QFD-Grey relational analysis approach to prioritize design requirements of sustainable supply chain. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022, 42, 3893-3907.	1.4	14
13	System construction for comprehensive industrial ecosystem oriented networked collaborative manufacturing platform (NCMP) based on three chains. <i>Advanced Engineering Informatics</i> , 2022, 52, 101538.	8.0	16
14	Prioritizing risk factors in sustainable supply chain using fuzzy Kano and interval-valued intuitionistic fuzzy QFD. <i>Kybernetes</i> , 2022, ahead-of-print, .	2.2	5
15	Comprehensive understanding of smart product service system from multi-dimension and multi-perspective: An innovative service model for Customer-product Interaction Life Cycle (CILC). <i>Advanced Engineering Informatics</i> , 2022, 52, 101619.	8.0	13
16	Industrial Internet Platform (IIP) enabled Smart Product Lifecycle-Service System (SPLSS) for manufacturing model transformation: From an industrial practice survey. <i>Advanced Engineering Informatics</i> , 2022, 52, 101633.	8.0	8
17	Configuration optimization of service solution for smart product service system under hybrid uncertain environments. <i>Advanced Engineering Informatics</i> , 2022, 52, 101632.	8.0	9
18	A flexible smart manufacturing system in mass personalization manufacturing model based on multi-module-platform, multi-virtual-unit, and multi-production-line. <i>Computers and Industrial Engineering</i> , 2022, 171, 108379.	6.3	15

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19	A fuzzy universal generating function-based method for the reliability evaluation of series systems with performance sharing between adjacent units under parametric uncertainty. <i>Fuzzy Sets and Systems</i> , 2021, 424, 155-169.	2.7	5
20	A novel Kano-QFD-DEMATEL approach to optimise the risk resilience solution for sustainable supply chain. <i>International Journal of Production Research</i> , 2021, 59, 1714-1735.	7.5	54
21	An implementation for Smart Manufacturing Information System (SMIS) from an industrial practice survey. <i>Computers and Industrial Engineering</i> , 2021, 151, 106938.	6.3	16
22	Process optimization through closed-loop Kaizen with discrete event simulation: A case study in China. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2021, 235, 568-579.	2.4	3
23	Explicit and implicit Valuation-Based System methods for the risk assessment of systems subject to common-cause failures under uncertainty. <i>Knowledge-Based Systems</i> , 2021, 214, 106665.	7.1	3
24	Further expansion from Smart Manufacturing System (SMS) to Smart Manufacturing Implementation System (SMIS): industrial application scenarios and evaluation. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 115, 3791-3809.	3.0	5
25	A comprehensive industrial practice for Industrial Internet Platform (IIP): General model, reference architecture, and industrial verification. <i>Computers and Industrial Engineering</i> , 2021, 158, 107426.	6.3	19
26	Servitization and Sustainable Value Creation Strategy for China's Manufacturing Industry: A Multiple Case Study in the Belt and Road Initiative. <i>Sustainability</i> , 2021, 13, 11334.	3.2	5
27	Identification of product service common and individual demands based on online reviews. , 2021, , .		0
28	Smart Product Service Requirements Identification and Evaluation: A Hybrid Method. , 2021, , .		2
29	A framework with hybrid approach to analyse system requirements of smart PSS toward customer needs and co-creative value propositions. <i>Computers and Industrial Engineering</i> , 2020, 139, 105776.	6.3	30
30	Explore and evaluate innovative value propositions for smart product service system: A novel graphics-based rough-fuzzy DEMATEL method. <i>Journal of Cleaner Production</i> , 2020, 243, 118672.	9.3	86
31	Human factors risk assessment: An integrated method for improving safety in clinical use of medical devices. <i>Applied Soft Computing Journal</i> , 2020, 86, 105918.	7.2	36
32	A hybrid framework integrating rough-fuzzy best-worst method to identify and evaluate user activity-oriented service requirement for smart product service system. <i>Journal of Cleaner Production</i> , 2020, 253, 119954.	9.3	47
33	Sustainable supplier selection for smart supply chain considering internal and external uncertainty: An integrated rough-fuzzy approach. <i>Applied Soft Computing Journal</i> , 2020, 87, 106004.	7.2	162
34	Reference subsystems for Smart Manufacturing Collaborative System (SMCS) from multi-processes, multi-intersections and multi-operators. <i>Enterprise Information Systems</i> , 2020, 14, 282-307.	4.7	14
35	Understanding Data-Driven Cyber-Physical-Social System (D-CPSS) Using a 7C Framework in Social Manufacturing Context. <i>Sensors</i> , 2020, 20, 5319.	3.8	25
36	Sustainable and smart product innovation ecosystem: An integrative status review and future perspectives. <i>Journal of Cleaner Production</i> , 2020, 274, 123005.	9.3	62

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37	An extended Birnbaum importance-based two-stage heuristic for component assignment problems under uncertainty. <i>Reliability Engineering and System Safety</i> , 2020, 204, 107134.	8.9	7
38	Selection of design alternatives for smart product service system: A rough-fuzzy data envelopment analysis approach. <i>Journal of Cleaner Production</i> , 2020, 273, 122931.	9.3	30
39	Modularization of smart product service: A framework integrating smart product service blueprint and weighted complex network. <i>Computers in Industry</i> , 2020, 123, 103302.	9.9	14
40	Explicit and implicit Bayesian Network-based methods for the risk assessment of systems subject to probabilistic common-cause failures. <i>Computers in Industry</i> , 2020, 123, 103319.	9.9	5
41	A Fuzzy ANP-QFD Methodology for Determining Stakeholders in Product-Service Systems Development from Ecosystem Perspective. <i>Sustainability</i> , 2020, 12, 3329.	3.2	12
42	A rough-“fuzzy approach integrating best-“worst method and data envelopment analysis to multi-criteria selection of smart product service module. <i>Applied Soft Computing Journal</i> , 2020, 94, 106479.	7.2	58
43	Knowledge recommendation for product development using integrated rough set-information entropy correction. <i>Journal of Intelligent Manufacturing</i> , 2020, 31, 1559-1578.	7.3	12
44	Application of industrial big data for smart manufacturing in product service system based on system engineering using fuzzy DEMATEL. <i>Journal of Cleaner Production</i> , 2020, 265, 121863.	9.3	47
45	The Realization for Automated Warehouse Based on the Integration of ERP and WMS. , 2020, , .		6
46	General reference model and overall frameworks for green manufacturing. <i>Journal of Cleaner Production</i> , 2019, 237, 117757.	9.3	22
47	Top-level scenario planning and overall framework of smart manufacturing implementation system (SMIS) for enterprise. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 104, 3835-3848.	3.0	8
48	A new customization model for enterprises based on improved framework of customer to business: A case study in automobile industry. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401983388.	1.6	7
49	Research on Technical Framework of Design Quality Control for Civil Aircraft R&D Project. , 2019, , .		0
50	A methodological framework with rough-entropy-ELECTRE TRI to classify failure modes for co-implementation of smart PSS. <i>Advanced Engineering Informatics</i> , 2019, 42, 100968.	8.0	18
51	Reference architecture of common service platform for Industrial Big Data (I-BD) based on multi-party co-construction. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 1949-1965.	3.0	13
52	An Integrative Framework for Online Prognostic and Health Management Using Internet of Things and Convolutional Neural Network. <i>Sensors</i> , 2019, 19, 2338.	3.8	15
53	A framework and implementation of Customer Platform-connection manufactory to service (CPMS) model in product service system. <i>Journal of Cleaner Production</i> , 2019, 230, 798-819.	9.3	15
54	State-of-the-art review of customer to business (C2B) model. <i>Computers and Industrial Engineering</i> , 2019, 132, 207-222.	6.3	30

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55	A rough-fuzzy DEMATEL-ANP method for evaluating sustainable value requirement of product service system. <i>Journal of Cleaner Production</i> , 2019, 228, 485-508.	9.3	89
56	A Perspective on Methodological Framework Integrating Revised Rough-DEMATEL to Co-generate and Analyze Requirements for Smart Product-Service System. , 2019, , .		1
57	An overall framework and subsystems for smart manufacturing integrated system (SMIS) from multi-layers based on multi-perspectives. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 703-722.	3.0	31
58	A framework with revised rough-DEMATEL to capture and evaluate requirements for smart industrial product-service system of systems. <i>International Journal of Production Research</i> , 2019, 57, 7104-7122.	7.5	36
59	An integrated framework of enterprise information systems in smart manufacturing system via business process reengineering. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2019, 233, 2210-2224.	2.4	24
60	A reference system of smart manufacturing talent education (SMTE) in China. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 2701-2714.	3.0	9
61	A framework integrating interval-valued hesitant fuzzy DEMATEL method to capture and evaluate co-creative value propositions for smart PSS. <i>Journal of Cleaner Production</i> , 2019, 215, 611-625.	9.3	76
62	A reference framework and overall planning of industrial artificial intelligence (I-AI) for new application scenarios. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 101, 2367-2389.	3.0	56
63	Process Parameter Optimization of Solder Paste Deposition for SoC Using Taguchiâ€“Grey and Entropy Approach. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2018, 8, 482-491.	2.5	7
64	A Fault Diagnosis and Maintenance Decision System for Production Line Based on Human-machine Multi- Information Fusion. , 2018, , .		8
65	A perspective on value co-creation-oriented framework for smart product-service system. <i>Procedia CIRP</i> , 2018, 73, 155-160.	1.9	62
66	A Rough Multi-Criteria Decision-Making Approach for Sustainable Supplier Selection under Vague Environment. <i>Sustainability</i> , 2018, 10, 2622.	3.2	34
67	Identifying critical risk factors of sustainable supply chain management: A rough strength-relation analysis method. <i>Journal of Cleaner Production</i> , 2017, 143, 100-115.	9.3	133
68	Status Review and Future Perspectives on the Framework of Smart Product Service Ecosystem. <i>Procedia CIRP</i> , 2017, 64, 181-186.	1.9	38
69	Big data analytics platform for flight safety monitoring. , 2017, , .		11
70	Construction of cyber-physical systemâ€“integrated smart manufacturing workshops: A case study in automobile industry. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401773324.	1.6	24
71	Dynamic Optimization for IPS2 Resource Allocation Based on Improved Fuzzy Multiple Linear Regression. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-10.	1.1	3
72	A Framework for Integrating Industrial Product-Service Systems and Cyber-Physical Systems. <i>Lecture Notes in Computer Science</i> , 2016, , 628-637.	1.3	2

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73	A fuzzy technique for order preference by similarity to an ideal solutionâ€‘based quality function deployment for prioritizing technical attributes of new products. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2016, 230, 2249-2263.	2.4	7
74	An integrative framework for innovation management of productâ€‘service system. International Journal of Production Research, 2015, 53, 2252-2268.	7.5	37
75	Prioritising technical attributes in QFD under vague environment: a rough-grey relational analysis approach. International Journal of Production Research, 2014, 52, 5528-5545.	7.5	65
76	A rough TOPSIS Approach for Failure Mode and Effects Analysis in Uncertain Environments. Quality and Reliability Engineering International, 2014, 30, 473-486.	2.3	188
77	Failure modes and effects analysis using integrated weight-based fuzzy TOPSIS. International Journal of Computer Integrated Manufacturing, 2013, 26, 1172-1186.	4.6	113
78	Risk evaluation of customer integration in new product development under uncertainty. Computers and Industrial Engineering, 2013, 65, 402-412.	6.3	54
79	A rough set approach for evaluating vague customer requirement of industrial product-service system. International Journal of Production Research, 2013, 51, 6681-6701.	7.5	84
80	A framework of product innovative design process based on TRIZ and Patent Circumvention. Journal of Engineering Design, 2013, 24, 830-848.	2.3	34
81	The Steps and Methodology of Identifying Master Data from Business Processes. , 2009, , .		2
82	A Color Harmony Measure Model with Shape Information. , 2009, , .		3
83	Business information modeling for process integration in the mold making industry. Robotics and Computer-Integrated Manufacturing, 2007, 23, 195-207.	9.9	18