Xinguo Ming

List of Publications by Year
in descending order

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		218677	233421
83	2,333	26	45
papers	citations	h-index	g-index

83	83	83	1540
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Sustainable supplier selection for smart supply chain considering internal and external uncertainty: An integrated rough-fuzzy approach. Applied Soft Computing Journal, 2020, 87, 106004.	7.2	162
3	Identifying critical risk factors of sustainable supply chain management: A rough strength-relation analysis method. Journal of Cleaner Production, 2017, 143, 100-115.	9.3	133
4	Failure modes and effects analysis using integrated weight-based fuzzy TOPSIS. International Journal of Computer Integrated Manufacturing, 2013, 26, 1172-1186.	4.6	113
5	A rough-fuzzy DEMATEL-ANP method for evaluating sustainable value requirement of product service system. Journal of Cleaner Production, 2019, 228, 485-508.	9.3	89
6	Explore and evaluate innovative value propositions for smart product service system: A novel graphics-based rough-fuzzy DEMATEL method. Journal of Cleaner Production, 2020, 243, 118672.	9.3	86
7	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
8	A framework integrating interval-valued hesitant fuzzy DEMATEL method to capture and evaluate co-creative value propositions for smart PSS. Journal of Cleaner Production, 2019, 215, 611-625.	9.3	76
9	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
10	A perspective on value co-creation-oriented framework for smart product-service system. Procedia CIRP, 2018, 73, 155-160.	1.9	62
11	Sustainable and smart product innovation ecosystem: An integrative status review and future perspectives. Journal of Cleaner Production, 2020, 274, 123005.	9.3	62
12	A roughâ€“fuzzy approach integrating bestâ€“worst method and data envelopment analysis to multi-criteria selection of smart product service module. Applied Soft Computing Journal, 2020, 94, 106479.	7.2	58
13	A reference framework and overall planning of industrial artificial intelligence (I-AI) for new application scenarios. International Journal of Advanced Manufacturing Technology, 2019, 101, 2367-2389.	3.0	56
14	Risk evaluation of customer integration in new product development under uncertainty. Computers and Industrial Engineering, 2013, 65, 402-412.	6.3	54
15	A novel Kano-QFD-DEMATEL approach to optimise the risk resilience solution for sustainable supply chain. International Journal of Production Research, 2021, 59, 1714-1735.	7.5	54
16	A hybrid framework integrating rough-fuzzy best-worst method to identify and evaluate user activity-oriented service requirement for smart product service system. Journal of Cleaner Production, 2020, 253, 119954.	9.3	47
17	Application of industrial big data for smart manufacturing in product service system based on system engineering using fuzzy DEMATEL. Journal of Cleaner Production, 2020, 265, 121863.	9.3	47
18	Status Review and Future Perspectives on the Framework of Smart Product Service Ecosystem. Procedia CIRP, 2017, 64, 181-186.	1.9	38

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19	An integrative framework for innovation management of productâ€“service system. International Journal of Production Research, 2015, 53, 2252-2268.	7.5	37
20	A framework with revised rough-DEMATEL to capture and evaluate requirements for smart industrial product-service system of systems. International Journal of Production Research, 2019, 57, 7104-7122.	7.5	36
21	Human factors risk assessment: An integrated method for improving safety in clinical use of medical devices. Applied Soft Computing Journal, 2020, 86, 105918.	7.2	36
22	A framework of product innovative design process based on TRIZ and Patent Circumvention. Journal of Engineering Design, 2013, 24, 830-848.	2.3	34
23	A Rough Multi-Criteria Decision-Making Approach for Sustainable Supplier Selection under Vague Environment. Sustainability, 2018, 10, 2622.	3.2	34
24	An overall framework and subsystems for smart manufacturing integrated system (SMIS) from multi-layers based on multi-perspectives. International Journal of Advanced Manufacturing Technology, 2019, 103, 703-722.	3.0	31
25	State-of-the-art review of customer to business (C2B) model. Computers and Industrial Engineering, 2019, 132, 207-222.	6.3	30
26	A framework with hybrid approach to analyse system requirements of smart PSS toward customer needs and co-creative value propositions. Computers and Industrial Engineering, 2020, 139, 105776.	6.3	30
27	Selection of design alternatives for smart product service system: A rough-fuzzy data envelopment analysis approach. Journal of Cleaner Production, 2020, 273, 122931.	9.3	30
28	Understanding Data-Driven Cyber-Physical-Social System (D-CPSS) Using a 7C Framework in Social Manufacturing Context. Sensors, 2020, 20, 5319.	3.8	25
29	Construction of cyber-physical systemâ€“integrated smart manufacturing workshops: A case study in automobile industry. Advances in Mechanical Engineering, 2017, 9, 168781401773324.	1.6	24
30	An integrated framework of enterprise information systems in smart manufacturing system via business process reengineering. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 2210-2224.	2.4	24
31	An integrated framework of user experience-oriented smart service requirement analysis for smart product service system development. Advanced Engineering Informatics, 2022, 51, 101458.	8.0	24
32	General reference model and overall frameworks for green manufacturing. Journal of Cleaner Production, 2019, 237, 117757.	9.3	22
33	A comprehensive industrial practice for Industrial Internet Platform (IIP): General model, reference architecture, and industrial verification. Computers and Industrial Engineering, 2021, 158, 107426.	6.3	19
34	Business information modeling for process integration in the mold making industry. Robotics and Computer-Integrated Manufacturing, 2007, 23, 195-207.	9.9	18
35	A methodological framework with rough-entropy-ELECTRE TRI to classify failure modes for co-implementation of smart PSS. Advanced Engineering Informatics, 2019, 42, 100968.	8.0	18
36	A novel hesitant fuzzy linguistic hybrid cloud model and extended bestâ€worst method for multicriteria decision making. International Journal of Intelligent Systems, 2022, 37, 596-624.	5.7	18

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37	An implementation for Smart Manufacturing Information System (SMIS) from an industrial practice survey. Computers and Industrial Engineering, 2021, 151, 106938.	6.3	16
38	System construction for comprehensive industrial ecosystem oriented networked collaborative manufacturing platform (NCMP) based on three chains. Advanced Engineering Informatics, 2022, 52, 101538.	8.0	16
39	An Integrative Framework for Online Prognostic and Health Management Using Internet of Things and Convolutional Neural Network. Sensors, 2019, 19, 2338.	3.8	15
40	A framework and implementation of Customer Platform-connection manufactory to service (CPMS) model in product service system. Journal of Cleaner Production, 2019, 230, 798-819.	9.3	15
41	Selecting industrial IoT Platform for digital servitisation: a framework integrating platform leverage practices and cloud HBWM-TOPSIS approach. International Journal of Production Research, 2023, 61, 4022-4044.	7.5	15
42	A flexible smart manufacturing system in mass personalization manufacturing model based on multi-module-platform, multi-virtual-unit, and multi-production-line. Computers and Industrial Engineering, 2022, 171, 108379.	6.3	15
43	Reference subsystems for Smart Manufacturing Collaborative System (SMCS) from multi-processes, multi-intersections and multi-operators. Enterprise Information Systems, 2020, 14, 282-307.	4.7	14
44	Modularization of smart product service: A framework integrating smart product service blueprint and weighted complex network. Computers in Industry, 2020, 123, 103302.	9.9	14
45	A Pythagorean fuzzy ANP-QFD-Grey relational analysis approach to prioritize design requirements of sustainable supply chain. Journal of Intelligent and Fuzzy Systems, 2022, 42, 3893-3907.	1.4	14
46	Reference architecture of common service platform for Industrial Big Data (I-BD) based on multi-party co-construction. International Journal of Advanced Manufacturing Technology, 2019, 105, 1949-1965.	3.0	13
47	Potential Requirements and Opportunities of Blockchain-Based Industrial IoT in Supply Chain: A Survey. IEEE Transactions on Computational Social Systems, 2022, 9, 1469-1483.	4.4	13
48	Comprehensive understanding of smart product service system from multi-dimension and multi-perspective: An innovative service model for Customer-product Interaction Life Cycle (CILC). Advanced Engineering Informatics, 2022, 52, 101619.	8.0	13
49	A Fuzzy ANP-QFD Methodology for Determining Stakeholders in Product-Service Systems Development from Ecosystem Perspective. Sustainability, 2020, 12, 3329.	3.2	12
50	Knowledge recommendation for product development using integrated rough set-information entropy correction. Journal of Intelligent Manufacturing, 2020, 31, 1559-1578.	7.3	12
51	Big data analytics platform for flight safety monitoring. , 2017, , .		11
52	A reference system of smart manufacturing talent education (SMTE) in China. International Journal of Advanced Manufacturing Technology, 2019, 100, 2701-2714.	3.0	9
53	Implementation path and reference framework for Industrial Internet Platform (IIP) in product service system using industrial practice investigation method. Advanced Engineering Informatics, 2022, 51, 101481.	8.0	9
54	Networking-enabled product service system (N-PSS) in collaborative manufacturing platform for mass personalization model. Computers and Industrial Engineering, 2022, 163, 107805.	6.3	9

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55	Configuration optimization of service solution for smart product service system under hybrid uncertain environments. Advanced Engineering Informatics, 2022, 52, 101632.	8.0	9
56	A Fault Diagnosis and Maintenance Decision System for Production Line Based on Human-machine Multi- Information Fusion. , 2018, , .		8
57	Top-level scenario planning and overall framework of smart manufacturing implementation system (SMIS) for enterprise. International Journal of Advanced Manufacturing Technology, 2019, 104, 3835-3848.	3.0	8
58	A Birnbaum importance-based two-stage approach for two-type component assignment problems. Reliability Engineering and System Safety, 2022, 218, 108051.	8.9	8
59	Industrial Internet Platform (IIP) enabled Smart Product Lifecycle-Service System (SPLSS) for manufacturing model transformation: From an industrial practice survey. Advanced Engineering Informatics, 2022, 52, 101633.	8.0	8
60	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
61	Process Parameter Optimization of Solder Paste Deposition for SoC Using Taguchiâ€“Grey and Entropy Approach. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 482-491.	2.5	7
62	A new customization model for enterprises based on improved framework of customer to business: A case study in automobile industry. Advances in Mechanical Engineering, 2019, 11, 168781401983388.	1.6	7
63	An extended Birnbaum importance-based two-stage heuristic for component assignment problems under uncertainty. Reliability Engineering and System Safety, 2020, 204, 107134.	8.9	7
64	Multicriteria Decision-Making Framework for Supplier Selection: A Customer Community-Driven Approach. IEEE Transactions on Engineering Management, 2023, 70, 3434-3450.	3.5	7
65	The Realization for Automated Warehouse Based on the Integration of ERP and WMS. , 2020, , .		6
66	A fuzzy universal generating function-based method for the reliability evaluation of series systems with performance sharing between adjacent units under parametric uncertainty. Fuzzy Sets and Systems, 2021, 424, 155-169.	2.7	5
67	Explicit and implicit Bayesian Network-based methods for the risk assessment of systems subject to probabilistic common-cause failures. Computers in Industry, 2020, 123, 103319.	9.9	5
68	Further expansion from Smart Manufacturing System (SMS) to Smart Manufacturing Implementation System (SMIS): industrial application scenarios and evaluation. International Journal of Advanced Manufacturing Technology, 2021, 115, 3791-3809.	3.0	5
69	Servitization and Sustainable Value Creation Strategy for Chinaâ€™s Manufacturing Industry: A Multiple Case Study in the Belt and Road Initiative. Sustainability, 2021, 13, 11334.	3.2	5
70	Prioritizing risk factors in sustainable supply chain using fuzzy Kano and interval-valued intuitionistic fuzzy QFD. Kybernetes, 2022, ahead-of-print, .	2.2	5
71	Knowledge-Driven Industrial Intelligent System: Concept, Reference Model, and Application Direction. IEEE Transactions on Computational Social Systems, 2023, 10, 1465-1478.	4.4	4
72	A Color Harmony Measure Model with Shape Information. , 2009, , .		3

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73	Dynamic Optimization for IPS2 Resource Allocation Based on Improved Fuzzy Multiple Linear Regression. Mathematical Problems in Engineering, 2017, 2017, 1-10.	1.1	3
74	Process optimization through closed-loop Kaizen with discrete event simulation: A case study in China. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2021, 235, 568-579.	2.4	3
75	Explicit and implicit Valuation-Based System methods for the risk assessment of systems subject to common-cause failures under uncertainty. Knowledge-Based Systems, 2021, 214, 106665.	7.1	3
76	Service-oriented knowledge recommender system and performance evaluation in industrial product development. International Journal of Production Research, 2022, 60, 6226-6247.	7.5	3
77	The Steps and Methodology of Identifying Master Data from Business Processes. , 2009, , .		2
78	A Framework for Integrating Industrial Product-Service Systems and Cyber-Physical Systems. Lecture Notes in Computer Science, 2016, , 628-637.	1.3	2
79	Smart Product Service Requirements Identification and Evaluation: A Hybrid Method. , 2021, , .		2
80	A Perspective on Methodological Framework Integrating Revised Rough-DEMATEL to Co-generate and Analyze Requirements for Smart Product-Service System. , 2019, , .		1
81	A Smart system in Manufacturing with Mass Personalization (S-MMP) for blueprint and scenario driven by industrial model transformation. Journal of Intelligent Manufacturing, 2023, 34, 1875-1893.	7.3	1
82	Research on Technical Framework of Design Quality Control for Civil Aircraft R&D Project. , 2019, , .		0
83	Identification of product service common and individual demands based on online reviews. , 2021, , .		0