Yan Yan

List of Publications by Year
in descending order

45 papers	408 citations	840776 11 h-index	794594 19 g-index
50 all docs	50 docs citations	50 times ranked	241 citing authors

#	Article	IF	Citations
1	Bibliometric Analysis of Model-Based Systems Engineering: Past, Current, and Future. IEEE Transactions on Engineering Management, 2024, 71, 2475-2492.	3.5	3
2	The decision-making framework for assembly tasks planning in human–robot collaborated manufacturing system. International Journal of Computer Integrated Manufacturing, 2023, 36, 289-307.	4.6	5
3	Building blocks for digital twin of reconfigurable machine tools from design perspective. International Journal of Production Research, 2022, 60, 942-956.	7.5	23
4	Joint optimisation for dynamic flexible job-shop scheduling problem with transportation time and resource constraints. International Journal of Production Research, 2022, 60, 5675-5696.	7.5	29
5	Toward digital validation for rapid product development based on digital twin: a framework. International Journal of Advanced Manufacturing Technology, 2022, 119, 2509-2523.	3.0	28
6	Architecting A Knowledge-Based Platform for Design Engineering 4.0. , 2022, , .		2
7	Requirements and Architecture of the Decision Support Platform for Design Engineering 4.0. , 2022, , 1-22.		1
8	Extending PDSIDES to CB-PDSIDES: New Opportunities in Design Engineering 4.0. , 2022, , 213-237.		1
9	Semantic Modeling Approach Supporting Process Modeling and Analysis in Aircraft Development. Applied Sciences (Switzerland), 2022, 12, 3067.	2.5	1
10	Systematic Literature Review of MBSE Tool-Chains. Applied Sciences (Switzerland), 2022, 12, 3431.	2.5	11
11	Multi-objective optimisation for energy-aware flexible job-shop scheduling problem with assembly operations. International Journal of Production Research, 2021, 59, 7216-7231.	7.5	39
12	Ontology-based module selection in the design of reconfigurable machine tools. Journal of Intelligent Manufacturing, 2020, 31, 301-317.	7.3	7
13	Conceptual design method driven by product genes. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2020, 234, 463-478.	2.4	7
14	Design of delayed reconfigurable manufacturing system based on part family grouping and machine selection. International Journal of Production Research, 2020, 58, 4471-4488.	7.5	14
15	A Reusable and Executable Information Model of Experiments on Human Decision Making in Systems Engineering and Design. IEEE Access, 2020, 8, 27597-27617.	4.2	2
16	Part family grouping method for reconfigurable manufacturing system considering process time and capacity demand. Flexible Services and Manufacturing Journal, 2019, 31, 424-445.	3.4	11
17	Reconfigurable machine tools design for multi-part families. International Journal of Advanced Manufacturing Technology, 2019, 105, 813-829.	3.0	10
18	OntoIMM: An Ontology for Product Intelligent Master Model. Applied Sciences (Switzerland), 2019, 9, 2553.	2.5	4

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19	Ontology-based uncertainty management approach in designing of robust decision workflows. Journal of Engineering Design, 2019, 30, 726-757.	2.3	14
20	A Knowledge-Based Method for Rapid Design Concept Evaluation. IEEE Access, 2019, 7, 116835-116847.	4.2	10
21	Intelligent product-gene acquisition method based on *K*-means clustering and mutual information-based feature selection algorithm. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2019, 33, 469-483.	1.1	7
22	Delayed reconfigurable manufacturing system. International Journal of Production Research, 2019, 57, 2372-2391.	7.5	26
23	Blind Signal Separation Method Based Machining Error Decomposition. International Journal of Precision Engineering and Manufacturing, 2018, 19, 203-211.	2.2	3
24	Reconfiguration point decision method based on dynamic complexity for reconfigurable manufacturing system (RMS). Journal of Intelligent Manufacturing, 2018, 29, 1031-1043.	7.3	31
25	High-definition metrology-based machining error identification for non-continuous surfaces. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 2566-2576.	2.4	2
26	Similarity Coefficient of RMS Part Family Grouping Considering Reconfiguration Efforts. IEEE Access, 2018, 6, 71871-71883.	4.2	6
27	Modeling of the geometric error stack-up for multistage precision assembly process. , 2017, , .		0
28	An Ontology for Reusable and Executable Decision Templates. Journal of Computing and Information Science in Engineering, 2017, 17, .	2.7	18
29	A GMM-Based User Model for Knowledge Recommendation. , 2017, , .		0
30	Reconfiguration schemes evaluation based on preference ranking of key characteristics of reconfigurable manufacturing systems. International Journal of Advanced Manufacturing Technology, 2017, 89, 2231-2249.	3.0	56
31	A framework for knowledge-intensive design decision support in model based realization of complex engineered systems. , 2017, , .		1
32	A Probability-Based Hybrid User Model for Recommendation System. Mathematical Problems in Engineering, 2016, 2016, 1-10.	1.1	3
33	A Design Knowledge Representation and Reuse Method Based on Ontology and Knowledge Component. , 2016, , .		0
34	A Context Modeling Method of Knowledge Recommendation for Designers. , 2016, , .		11
35	A Product Gene Based Approach for Conceptual Design of Mechanical Products. , 2016, , .		1
36	A User-Oriented Design Knowledge Reuse Model. ISRN Industrial Engineering, 2013, 2013, 1-10.	0.6	3

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37	A knowledge service framework for product-design activities. , 2012, , .		0
38	Dimensional Quality Oriented Reliability Modeling for Complex Manufacturing Processes. International Journal of Computational Intelligence Systems, 2011, 4, 1262-1268.	2.7	10
39	Research on multivariate data acquisition of hybrid production process. , 2011, , .		1
40	State space model based reliability and sensitivity analysis for multistage manufacturing process. , 2011, , .		0
41	Study on PVC gloves production scheduling based on genetic algorithm. , 2011, , .		1
42	Notice of Retraction: On the modern technology practice and exploration: Undergraduates careers guidance example. , 2011, , .		0
43	Product-Design Knowledge Retrieval Based on Ontology and Rule. , 2010, , .		1
44	Soft sensor modeling of feed liquid viscosity control for PVC gloves based on BP neural network. , 2010, , .		3
45	Research on assembly quality evaluation based on Markov chain. , 2009, , .		2