

# Yan Yan

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | 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        |
| 2  | 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        |
| 3  | Reconfiguration point decision method based on dynamic complexity for reconfigurable manufacturing system (RMS). Journal of Intelligent Manufacturing, 2018, 29, 1031-1043.                                                                      | 7.3 | 31        |
| 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  | Delayed reconfigurable manufacturing system. International Journal of Production Research, 2019, 57, 2372-2391.                                                                                                                                  | 7.5 | 26        |
| 7  | Building blocks for digital twin of reconfigurable machine tools from design perspective. International Journal of Production Research, 2022, 60, 942-956.                                                                                       | 7.5 | 23        |
| 8  | An Ontology for Reusable and Executable Decision Templates. Journal of Computing and Information Science in Engineering, 2017, 17, .                                                                                                             | 2.7 | 18        |
| 9  | Ontology-based uncertainty management approach in designing of robust decision workflows. Journal of Engineering Design, 2019, 30, 726-757.                                                                                                      | 2.3 | 14        |
| 10 | 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        |
| 11 | A Context Modeling Method of Knowledge Recommendation for Designers. , 2016, , .                                                                                                                                                                 |     | 11        |
| 12 | 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        |
| 13 | Systematic Literature Review of MBSE Tool-Chains. Applied Sciences (Switzerland), 2022, 12, 3431.                                                                                                                                                | 2.5 | 11        |
| 14 | Dimensional Quality Oriented Reliability Modeling for Complex Manufacturing Processes. International Journal of Computational Intelligence Systems, 2011, 4, 1262-1268.                                                                          | 2.7 | 10        |
| 15 | Reconfigurable machine tools design for multi-part families. International Journal of Advanced Manufacturing Technology, 2019, 105, 813-829.                                                                                                     | 3.0 | 10        |
| 16 | A Knowledge-Based Method for Rapid Design Concept Evaluation. IEEE Access, 2019, 7, 116835-116847.                                                                                                                                               | 4.2 | 10        |
| 17 | Intelligent product-gene acquisition method based on <i>K</i> -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         |
| 18 | Ontology-based module selection in the design of reconfigurable machine tools. Journal of Intelligent Manufacturing, 2020, 31, 301-317.                                                                                                          | 7.3 | 7         |

| #  | ARTICLE                                                                                                                                                                                                               | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | 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         |
| 20 | Similarity Coefficient of RMS Part Family Grouping Considering Reconfiguration Efforts. IEEE Access, 2018, 6, 71871-71883.                                                                                            | 4.2 | 6         |
| 21 | 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         |
| 22 | OntoIMM: An Ontology for Product Intelligent Master Model. Applied Sciences (Switzerland), 2019, 9, 2553.                                                                                                             | 2.5 | 4         |
| 23 | Soft sensor modeling of feed liquid viscosity control for PVC gloves based on BP neural network. , 2010, , .                                                                                                          |     | 3         |
| 24 | A User-Oriented Design Knowledge Reuse Model. ISRN Industrial Engineering, 2013, 2013, 1-10.                                                                                                                          | 0.6 | 3         |
| 25 | A Probability-Based Hybrid User Model for Recommendation System. Mathematical Problems in Engineering, 2016, 2016, 1-10.                                                                                              | 1.1 | 3         |
| 26 | Blind Signal Separation Method Based Machining Error Decomposition. International Journal of Precision Engineering and Manufacturing, 2018, 19, 203-211.                                                              | 2.2 | 3         |
| 27 | Bibliometric Analysis of Model-Based Systems Engineering: Past, Current, and Future. IEEE Transactions on Engineering Management, 2024, 71, 2475-2492.                                                                | 3.5 | 3         |
| 28 | Research on assembly quality evaluation based on Markov chain. , 2009, , .                                                                                                                                            |     | 2         |
| 29 | 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         |
| 30 | 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         |
| 31 | Architecting A Knowledge-Based Platform for Design Engineering 4.0. , 2022, , .                                                                                                                                       |     | 2         |
| 32 | Product-Design Knowledge Retrieval Based on Ontology and Rule. , 2010, , .                                                                                                                                            |     | 1         |
| 33 | Research on multivariate data acquisition of hybrid production process. , 2011, , .                                                                                                                                   |     | 1         |
| 34 | Study on PVC gloves production scheduling based on genetic algorithm. , 2011, , .                                                                                                                                     |     | 1         |
| 35 | A framework for knowledge-intensive design decision support in model based realization of complex engineered systems. , 2017, , .                                                                                     |     | 1         |
| 36 | A Product Gene Based Approach for Conceptual Design of Mechanical Products. , 2016, , .                                                                                                                               |     | 1         |

| #  | ARTICLE                                                                                                                                      | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Requirements and Architecture of the Decision Support Platform for Design Engineering 4.0. , 2022, , 1-22.                                   |     | 1         |
| 38 | Extending PDSIDES to CB-PDSIDES: New Opportunities in Design Engineering 4.0. , 2022, , 213-237.                                             |     | 1         |
| 39 | Semantic Modeling Approach Supporting Process Modeling and Analysis in Aircraft Development. Applied Sciences (Switzerland), 2022, 12, 3067. | 2.5 | 1         |
| 40 | State space model based reliability and sensitivity analysis for multistage manufacturing process. , 2011, , .                               |     | 0         |
| 41 | Notice of Retraction: On the modern technology practice and exploration: Undergraduates careers guidance example. , 2011, , .                |     | 0         |
| 42 | A knowledge service framework for product-design activities. , 2012, , .                                                                     |     | 0         |
| 43 | A Design Knowledge Representation and Reuse Method Based on Ontology and Knowledge Component. , 2016, , .                                    |     | 0         |
| 44 | Modeling of the geometric error stack-up for multistage precision assembly process. , 2017, , .                                              |     | 0         |
| 45 | A GMM-Based User Model for Knowledge Recommendation. , 2017, , .                                                                             |     | 0         |