

# Wei Liu

## List of Publications by Year in descending order

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14  
papers

151  
citations

1478505

6  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

140  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A method of NC machine tools intelligent monitoring system in smart factories. Robotics and Computer-Integrated Manufacturing, 2020, 61, 101842.  | 9.9 | 50        |
| 2  | A geometric reasoning approach to hierarchical representation for B-rep model retrieval. CAD Computer Aided Design, 2015, 62, 190-202.  | 2.7 | 25        |
| 3  | Three-dimensional (3D) CAD model lightweight scheme for large-scale assembly and simulation. International Journal of Computer Integrated Manufacturing, 2015, 28, 520-533.                                 | 4.6 | 17        |
| 4  | An effective and automatic approach for parameters optimization of complex end milling process based on virtual machining. Journal of Intelligent Manufacturing, 2020, 31, 967-984.                         | 7.3 | 17        |
| 5  | A similarity-based reuse system for injection mold design in automotive interior industry. International Journal of Advanced Manufacturing Technology, 2016, 87, 1783-1795.                                 | 3.0 | 13        |
| 6  | High efficiency calculation of cutter-workpiece engagement in five-axis milling using distance fields and envelope theory. Journal of Manufacturing Processes, 2021, 68, 1430-1447.                         | 5.9 | 11        |
| 7  | A network quotation framework for customised parts through rough requests. International Journal of Computer Integrated Manufacturing, 2018, 31, 1220-1234.   | 4.6 | 5         |
| 8  | A study on a general cyber machine tools monitoring system in smart factories. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2020, , 095440542095894. | 2.4 | 5         |
| 9  | Voxelizing 3D mesh models with gray levels. Journal of Shanghai Jiaotong University (Science), 2009, 14, 513-517.   | 0.9 | 3         |
| 10 | Multi-level spherical moments based 3D model retrieval. Journal of Zhejiang University: Science A, 2006, 7, 1500-1507.  | 2.4 | 2         |
| 11 | Service oriented cross-platform framework for 3D part library based on diversiform knowledge implantation. Computer-Aided Design and Applications, 2018, 15, 872-879.                                       | 0.6 | 2         |
| 12 | 3D scanning data processing and registration for the construction of urban scenes via image methods. Imaging Science Journal, 2017, 65, 214-225.  | 0.5 | 1         |
| 13 | Evaluation and optimization of intersection process between voxelized mesh models and homocentric spheres. Journal of Shanghai Jiaotong University (Science), 2011, 16, 474-478.                            | 0.9 | 0         |
| 14 | Towards ubiquitous data access service of 3D part library in cloud scheme with host independence. International Journal of Advanced Manufacturing Technology, 2022, 120, 5777-5791.                         | 3.0 | 0         |