Sheng Yang

List of Publications by Year
in descending order

20 papers	**760** citations	759233 **12** h-index	1058476 **14** g-index
20 all docs	**20** docs citations	**20** times ranked	**555** citing authors

#	Article	IF	Citations
1	Resilience Analysis of Additive Manufacturing-enabled Supply Chains: An Exploratory Study. , 2022, 2, .		1
2	Predictive manufacturability assessment system for laser powder bed fusion based on a hybrid machine learning model. Additive Manufacturing, 2021, 41, 101946.	3.0	12
3	Expanding Poly(lactic acid) (PLA) and Polyhydroxyalkanoates (PHAs) Applications: A Review on Modifications and Effects. Polymers, 2021, 13, 4271.	4.5	44
4	Manufacturability analysis of metal laser-based powder bed fusion additive manufacturingâ€"a survey. International Journal of Advanced Manufacturing Technology, 2020, 110, 57-78.	3.0	21
5	Towards an automated decision support system for the identification of additive manufacturing part candidates. Journal of Intelligent Manufacturing, 2020, 31, 1917-1933.	7.3	40
6	Automated Candidate Detection for Additive Manufacturing: A Framework Proposal. Proceedings of the Design Society International Conference on Engineering Design, 2019, 1, 679-688.	0.6	12
7	Understanding the sustainability potential of part consolidation design supported by additive manufacturing. Journal of Cleaner Production, 2019, 232, 722-738.	9.3	57
8	Understanding the Role of Additive Manufacturing Knowledge in Stimulating Design Innovation for Novice Designers. Journal of Mechanical Design, Transactions of the ASME, 2019, 141, .	2.9	22
9	A numerical-based part consolidation candidate detection approach with modularization considerations. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2019, 30, 63-83.	2.1	24
10	A Comparative Study of Metal Additive Manufacturing Processes for Elevated Sustainability. , 2019, , .		2
11	Machine Learning Assisted Prediction of the Manufacturability of Laser-Based Powder Bed Fusion Process. , 2019, , .		10
12	Additive Manufacturing-Enabled Part Count Reduction: A Lifecycle Perspective. Journal of Mechanical Design, Transactions of the ASME, 2018, 140, .	2.9	40
13	Towards a Numerical Approach of Finding Candidates for Additive Manufacturing-Enabled Part Consolidation. Journal of Mechanical Design, Transactions of the ASME, 2018, 140, .	2.9	27
14	Understanding the Role of Additive Manufacturing Knowledge in Stimulating Design Innovation for Novice Designers. , 2018, , .		3
15	A Generic Sustainability Assessment Model towards Consolidated Parts Fabricated by Additive Manufacturing Process. Procedia Manufacturing, 2017, 10, 831-844.	1.9	27
16	Assembly-Level Design for Additive Manufacturing: Issues and Benchmark. , 2016, , .		15
17	Design Method for Conformal Lattice-Skin Structure Fabricated by AM Technologies. , 2016, , .		4
18	Sustainable Design for Additive Manufacturing Through Functionality Integration and Part Consolidation. Environmental Footprints and Eco-design of Products and Processes, 2016, , 101-144.	1.1	19

#	ARTICLE	IF	CITATIONS
19	A new part consolidation method to embrace the design freedom of additive manufacturing. Journal of Manufacturing Processes, 2015, 20, 444-449.	5.9	134
20	Additive manufacturing-enabled design theory and methodology: a critical review. International Journal of Advanced Manufacturing Technology, 2015, 80, 327-342.	3.0	246