James A Gopsill

List of Publications by Year
in descending order

26 papers	243 citations	1039880 9 h-index	996849 15 g-index
26 all docs	26 docs citations	26 times ranked	214 citing authors

#	Article	IF	Citations
1	Achieving Responsive and Sustainable Manufacturing Through a Brokered Agent-Based Production Paradigm. Smart Innovation, Systems and Technologies, 2022, , 24-33.	0.5	2
2	Comparison of Three Agent-Based Architectures for Distributed Additive Manufacturing. Procedia CIRP, 2022, 107, 1150-1155.	1.0	3
3	Required parameters for modelling heterogeneous geographically dispersed manufacturing systems. Procedia CIRP, 2022, 107, 1545-1550.	1.0	1
4	The prototyping fungibility framework. Procedia CIRP, 2021, 100, 271-276.	1.0	4
5	Distinguishing artefacts: evaluating the saturation point of convolutional neural networks. Procedia CIRP, 2021, 100, 385-390.	1.0	1
6	Investigating and Characterising Variability in CAD Modelling and its Potential Impact on Editability: An Exploratory Study. Computer-Aided Design and Applications, 2021, 18, 1306-1326.	0.4	4
7	CAPTURING MATHEMATICAL AND HUMAN PERCEPTIONS OF SHAPE AND FORM THROUGH MACHINE LEARNING. Proceedings of the Design Society, 2021, 1, 591-600.	0.5	1
8	DEMYSTIFYING DIGITAL X. Proceedings of the Design Society, 2021, 1, 911-922.	0.5	3
9	REVISITING PROTOTYPING IN 2020: A SNAPSHOT OF PRACTICE IN UK DESIGN COMPANIES. Proceedings of the Design Society, 2021, 1, 2581-2590.	0.5	3
10	QUANTUM COMBINATORIAL DESIGN. Proceedings of the Design Society, 2021, 1, 2511-2520.	0.5	2
11	Mixed reality in design prototyping: A systematic review. Design Studies, 2021, 77, 101046.	1.9	31
12	Towards integrated version control of virtual and physical artefacts in new product development: inspirations from software engineering and the digital twin paradigm. Procedia CIRP, 2021, 100, 283-288.	1.0	7
13	Managing complex engineering projects: What can we learn from the evolving digital footprint?. International Journal of Information Management, 2020, 51, 102016.	10.5	11
14	Engineering Project Health Management: A Computational Approach for Project Management Support Through Analytics of Digital Engineering Activity. IEEE Transactions on Engineering Management, 2019, 66, 325-336.	2.4	13
15	The emergent structures in digital engineering work: what can we learn from dynamic DSMs of near-identical systems design projects?. Design Science, 2019, 5, .	1.1	2
16	Using finite element analysis to influence the infill design of fused deposition modelled parts. Progress in Additive Manufacturing, 2018, 3, 145-163.	2.5	34
17	Understanding user requirements in context: A case study of developing a visualisation tool to map skills in an engineering organisation. , 2018, , .		2
18	Investigating the effect of scale and scheduling strategies on the productivity of 3D managed print services. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 1753-1766.	1.5	15

#	ARTICLE	IF	CITATIONS
19	A 3D in vitro model of the human breast duct: a method to unravel myoepithelial-luminal interactions in the progression of breast cancer. Breast Cancer Research, 2017, 19, 50.	2.2	31
20	Deriving Infill Design of Fused Deposition Modelled Parts From Predicted Stress Profiles. , 2016, , .		3
21	Automatic generation of design structure matrices through the evolution of product models. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2016, 30, 424-445.	0.7	18
22	Modelling the Evolution of Computer Aided Design Models: Investigating the Potential for Supporting Engineering Project Management. IFIP Advances in Information and Communication Technology, 2016, , 344-354.	0.5	1
23	Supporting engineering design communication using a custom-built social media tool â€" PartBook. Advanced Engineering Informatics, 2015, 29, 523-548.	4.0	14
24	A Sequence-Based Approach to Analysing and Representing Engineering Project Normality. , 2014, , .		3
25	A Social Media framework to support Engineering Design Communication. Advanced Engineering Informatics, 2013, 27, 580-597.	4.0	33
26	An Exploratory Study into Automated Real-Time Categorisation of Engineering E-Mail. , 2013, , .		1