James A Gopsill

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	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
2	A Social Media framework to support Engineering Design Communication. Advanced Engineering Informatics, 2013, 27, 580-597.	4.0	33
3	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
4	Mixed reality in design prototyping: A systematic review. Design Studies, 2021, 77, 101046.	1.9	31
5	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
6	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
7	Supporting engineering design communication using a custom-built social media tool â€" PartBook. Advanced Engineering Informatics, 2015, 29, 523-548.	4.0	14
8	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
9	Managing complex engineering projects: What can we learn from the evolving digital footprint?. International Journal of Information Management, 2020, 51, 102016.	10.5	11
10	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
11	The prototyping fungibility framework. Procedia CIRP, 2021, 100, 271-276.	1.0	4
12	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
13	A Sequence-Based Approach to Analysing and Representing Engineering Project Normality. , 2014, , .		3
14	Deriving Infill Design of Fused Deposition Modelled Parts From Predicted Stress Profiles. , 2016, , .		3
15	DEMYSTIFYING DIGITAL X. Proceedings of the Design Society, 2021, 1, 911-922.	0.5	3
16	REVISITING PROTOTYPING IN 2020: A SNAPSHOT OF PRACTICE IN UK DESIGN COMPANIES. Proceedings of the Design Society, 2021, 1, 2581-2590.	0.5	3
17	Comparison of Three Agent-Based Architectures for Distributed Additive Manufacturing. Procedia CIRP, 2022, 107, 1150-1155.	1.0	3
18	Understanding user requirements in context: A case study of developing a visualisation tool to map skills in an engineering organisation. , 2018, , .		2

#	Article	IF	Citations
19	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
20	QUANTUM COMBINATORIAL DESIGN. Proceedings of the Design Society, 2021, 1, 2511-2520.	0.5	2
21	Achieving Responsive and Sustainable Manufacturing Through a Brokered Agent-Based Production Paradigm. Smart Innovation, Systems and Technologies, 2022, , 24-33.	0.5	2
22	An Exploratory Study into Automated Real-Time Categorisation of Engineering E-Mail. , 2013, , .		1
23	Distinguishing artefacts: evaluating the saturation point of convolutional neural networks. Procedia CIRP, 2021, 100, 385-390.	1.0	1
24	CAPTURING MATHEMATICAL AND HUMAN PERCEPTIONS OF SHAPE AND FORM THROUGH MACHINE LEARNING. Proceedings of the Design Society, 2021, 1, 591-600.	0.5	1
25	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
26	Required parameters for modelling heterogeneous geographically dispersed manufacturing systems. Procedia CIRP, 2022, 107, 1545-1550.	1.0	1