Frederic Segonds

List of Publications by Year
in descending order

41 papers	658 citations	759233 12 h-index	610901 24 g-index
41 all docs	41 docs citations	41 times ranked	454 citing authors

#	Article	IF	Citations
1	Assembly Based Methods to Support Product Innovation in Design for Additive Manufacturing: An Exploratory Case Study. Journal of Mechanical Design, Transactions of the ASME, 2015, 137, .	2.9	132
2	Avatar-mediated creativity: When embodying inventors makes engineers more creative. Computers in Human Behavior, 2016, 61, 165-175.	8.5	108
3	Social identity cues to improve creativity and identification in face-to-face and virtual groups. Computers in Human Behavior, 2017, 77, 140-147.	8.5	42
4	G-DfAM: a methodological proposal of generative design for additive manufacturing in the automotive industry. International Journal on Interactive Design and Manufacturing, 2020, 14, 875-886.	2.2	42
5	Using avatars to tailor ideation process to innovation strategy. Cognition, Technology and Work, 2016, 18, 583-594.	3.0	34
6	CACDA: A knowledge graph for a context-aware cognitive design assistant. Computers in Industry, 2021, 125, 103377.	9.9	28
7	Design By Additive Manufacturing: an application in aeronautics and defence. Virtual and Physical Prototyping, 2018, 13, 237-245.	10.4	27
8	PLM and early stages collaboration in interactive design, a case study in the glass industry. International Journal on Interactive Design and Manufacturing, 2016, 10, 95-104.	2.2	26
9	Early stages of apparel design: how to define collaborative needs for PLM and fashion?. International Journal of Fashion Design, Technology and Education, 2014, 7, 105-114.	1.6	17
10	Design for additive manufacturing (DfAM) methodologies: a proposal to foster the design of microwave waveguide components. Virtual and Physical Prototyping, 2019, 14, 175-187.	10.4	17
11	An illustrated glossary of ambiguous PLM terms used in discrete manufacturing. International Journal of Product Lifecycle Management, 2015, 8, 142.	0.3	16
12	Towards additive manufacturing of intermediate objects (AMIO) for concepts generation. International Journal on Interactive Design and Manufacturing, 2017, 11, 301-315.	2.2	15
13	Improving resources consumption of additive manufacturing use during early design stages: a case study. International Journal of Sustainable Engineering, 2019, 12, 365-375.	3.5	14
14	A methodological proposal to link Design with Additive Manufacturing to environmental considerations in the Early Design Stages. International Journal on Interactive Design and Manufacturing, 2017, 11, 799-812.	2.2	12
15	Proposition of a PLM tool to support textile design: A case study applied to the definition of the early stages of design requirements. Computers in Industry, 2015, 66, 21-30.	9.9	11
16	Didactic Study of a Learning Game to Teach Mechanical Engineering. Procedia Engineering, 2015, 132, 242-250.	1.2	10
17	Design in context of use: An experiment with a multi-view and multi-representation system for collaborative design. Computers in Industry, 2018, 103, 28-37.	9.9	9
18	A Property Graph Data Model for a Context-Aware Design Assistant. IFIP Advances in Information and Communication Technology, 2019, , 181-190.	0.7	9

#	Article	IF	Citations
19	Collaborative Design Tools: A Comparison between Free Software and PLM Solutions in Engineering Education. International Federation for Information Processing, 2012, , 547-558.	0.4	9
20	Requirement mining for model-based product design. International Journal of Product Lifecycle Management, 2016, 9, 305.	0.3	8
21	Design for Additive Manufacturing: Supporting Intrinsic-Motivated Creativity. , 2017, , 99-116.		7
22	i-Dataquest: A heterogeneous information retrieval tool using data graph for the manufacturing industry. Computers in Industry, 2021, 132, 103527.	9.9	7
23	A framework for manufacturing execution system deployment in an advanced additive manufacturing process. International Journal of Product Lifecycle Management, 2017, 10, 1.	0.3	6
24	Multi-user interface for co-located real-time work with digital mock-up: a way to foster collaboration?. International Journal on Interactive Design and Manufacturing, 2017, 11, 609-621.	2.2	5
25	Augmented Design with Additive Manufacturing Methodology: Tangible Object-Based Method to Enhance Creativity in Design for Additive Manufacturing. 3D Printing and Additive Manufacturing, 2021, 8, 281-292.	2.9	5
26	Electromagnetic performance of Ti6Al4V and AlSi7Mg0.6 waveguides with laser beam melting (LBM) produced and abrasive flow machining (AFM) finished internal surfaces. Journal of Electromagnetic Waves and Applications, 2021, 35, 2510-2526.	1.6	5
27	PLM and architectural rehabilitation: a framework to improve collaboration in the early stages of design. International Journal of Product Lifecycle Management, 2012, 6, 1.	0.3	4
28	Natural Language Processing of Requirements for Model-Based Product Design with ENOVIA/CATIA V6. IFIP Advances in Information and Communication Technology, 2016, , 205-215.	0.7	4
29	Scientometric Study of Product Lifecycle Management International Conferences: A Decade Overview. IFIP Advances in Information and Communication Technology, 2016, , 672-683.	0.7	4
30	A Proposal of Manufacturing Execution System Integration in Design for Additive Manufacturing. IFIP Advances in Information and Communication Technology, 2016, , 761-770.	0.7	3
31	Selection method for multiple performances evaluation during early design stages. Procedia CIRP, 2018, 70, 204-210.	1.9	3
32	Toward a customized multicriterion tool for product evaluation in the early design phases: the CMDET methodology. International Journal on Interactive Design and Manufacturing, 2019, 13, 981-993.	2.2	3
33	Knowledge Graph of Design Rules for a Context-Aware Cognitive Design Assistant. IFIP Advances in Information and Communication Technology, 2020, , 334-344.	0.7	3
34	Context-aware cognitive design assistant: Implementation and study of design rules recommendations. Advanced Engineering Informatics, 2021, 50, 101419.	8.0	3
35	Proposition of Ergonomic Guidelines to Improve Usability of PLM Systems Interfaces. IFIP Advances in Information and Communication Technology, 2013, , 530-539.	0.7	3
36	Key issues for a manufacturing data query system based on graph. International Journal on Interactive Design and Manufacturing, 2021, 15, 397-407.	2.2	2

#	Article	IF	Citations
37	HESAM: A Human cEntered Sustainable Additive Manufacturing Tool for Early Design Stages. Computer-Aided Design and Applications, 2020, 18, 258-271.	0.6	2
38	i-DATAQUEST: A Proposal for a Manufacturing Data Query System Based on a Graph. IFIP Advances in Information and Communication Technology, 2020, , 227-238.	0.7	1
39	Requirement mining for model-based product design. International Journal of Product Lifecycle Management, 2016, 9, 305.	0.3	1
40	A Collaborative Requirement Mining Framework to Support OEMs. Lecture Notes in Computer Science, 2015, , 105-114.	1.3	1
41	Bolted Joints Disassembly: A Field Study for Thermal Influence on Large Diameters. Applied Mechanics and Materials, 0, 248, 527-532.	0.2	0