

# Olivia Penas

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

257  
citations

2257833

3  
h-index

1474057

9  
g-index

19  
all docs

19  
docs citations

19  
times ranked

235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration of Electromagnetic Constraints as of the Conceptual Design Through an MBSE Approach. IEEE Systems Journal, 2021, 15, 747-758.	2.9	3
2	Ontology-Based Search Engine For Simulation Models From Their Related System Function. Incoese International Symposium, 2021, 31, 1145-1159.	0.2	1
3	An approach and an illustrative case study for a hybrid development process in mechatronic system design. International Journal of Product Lifecycle Management, 2021, 13, 265.	0.1	1
4	Towards a Scheduling Optimization Support Tool for a Perfume Manufacturing Process. Lecture Notes in Mechanical Engineering, 2021, , 577-586.	0.3	0
5	Topological approach for assessment of electromagnetic interferences to support mechatronic conceptual design. Mechanics and Industry, 2020, 21, 609.	0.5	2
6	A semantic dictionary to support multidisciplinary design collaboration in an extended enterprise context. , 2019, , .		2
7	Multiphysics Analysis of Hemispherical Bulk Conductor Hertzian Contact Under Uniaxial Mechanical Load. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2019, 4, 171-179.	1.4	3
8	Use of a Pivot Diagram in SysML to Support an Automated Implementation of a MBSE Design Methodology in an Industry 4.0 Context. Lecture Notes in Computer Science, 2019, , 81-98.	1.0	1
9	EMC risk assessment process through a topological analysis. , 2018, , .		4
10	Multi-scale approach from mechatronic to Cyber-Physical Systems for the design of manufacturing systems. Computers in Industry, 2017, 86, 52-69.	5.7	89
11	Use of technologically and topologically related surfaces (TTRS) geometrical theory for mechatronic design ontology. Computer-Aided Design and Applications, 2017, 14, 595-609.	0.4	1
12	Towards a 3D conceptual architecture framework, based on multi-physical constraints. , 2017, , .		4
13	Evolution from mechatronics to cyber physical systems: An educational point of view. , 2016, , .		10
14	Metrics Generation Process for Mechatronics. Journal of Robotics and Mechatronics, 2016, 28, 50-60.	0.5	0
15	SAMOS for Spatial Architecture based on Multi-physics and Organisation of Systems in conceptual design. , 2015, , .		9
16	TheReSE: SysML extension for thermal modeling. , 2015, , .		9
17	Introduction of geometrical constraints modeling in SysML for mechatronic design. , 2014, , .		12
18	A SysML-based methodology for mechatronic systems architectural design. Advanced Engineering Informatics, 2014, 28, 218-231.	4.0	101

#	ARTICLE	IF	CITATIONS
19	Integrated design methodology of a mechatronic system. Mecanique Et Industries, 2010, 11, 401-406.	0.2	5