Stanislao Patalano

List of Publications by Year
in descending order

42 papers	565 citations	758635	642321
		12 h-index	23 g-index

| 44 all docs | 44 docs citations | 44 times ranked | 549 citing authors |

#	Article	IF	Citations
1	A Graph-Based Multi-level Framework to Support the Designing of Collaborative Workplaces. Lecture Notes in Mechanical Engineering, 2022, , 641-649.	0.3	2
2	Mobile Robots and Cobots Integration: A Preliminary Design of a Mechatronic Interface by Using MBSE Approach. Applied Sciences (Switzerland), 2022, 12, 419.	1.3	13
3	Heterogeneous Models Integration for Safety Critical Mechatronic Systems and Related Digital Twin Definition: Application to a Collaborative Workplace for Aircraft Assembly. Applied Sciences (Switzerland), 2022, 12, 2787.	1.3	8
4	A graph-based approach and an interactive tool for preliminary digital prototyping. International Journal on Interactive Design and Manufacturing, 2021, 15, 125-127.	1.3	0
5	A Critical Exposition of Model Order Reduction Techniques: Application to a Slewing Flexible Beam. Archives of Computational Methods in Engineering, 2021, 28, 31-52.	6.0	3
6	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
7	Collaborative Workplace Design: A Knowledge-Based Approach to Promote Human–Robot Collaboration and Multi-Objective Layout Optimization. Applied Sciences (Switzerland), 2021, 11, 12147.	1.3	11
8	A sensor data fusion-based locating method for large-scale metrology. Acta IMEKO (2012), 2020, 9, 136.	0.4	1
9	A new approach to the anthropocentric design of human–robot collaborative environments. Acta IMEKO (2012), 2020, 9, 80.	0.4	9
10	â€˜Federicaâ€™s MOOCâ€™ (Massive Open Online Course): a blended course in engineering drawing at Federico II. International Journal on Interactive Design and Manufacturing, 2019, 13, 1115-1128.	1.3	4
11	The anthropometric basis for the designing of collaborative workplaces. , 2019, , .		8
12	A Sensor Data Fusion-Based Locating Method for Reverse Engineering Scanning Systems. , 2019, , .		2
13	Controlling form errors in 3D printed models associated to size and position on the working plane. International Journal on Interactive Design and Manufacturing, 2018, 12, 969-977.	1.3	12
14	Experimental investigation into the effectiveness of a super-capacitor based hybrid energy storage system for urban commercial vehicles. Applied Energy, 2018, 227, 312-323.	5.1	77
15	A graph-based method and a software tool for interactive tolerance specification. Procedia CIRP, 2018, 75, 173-178.	1.0	7
16	Experimental study on the performance of a ZEBRA battery based propulsion system for urban commercial vehicles. Applied Energy, 2017, 185, 2005-2018.	5.1	36
17	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
18	Flatness, circularity and cylindricity errors in 3D printed models associated to size and position on the working plane. Lecture Notes in Mechanical Engineering, 2017, , 201-212.	0.3	8

#	Article	IF	Citations
19	Automatic generation of simulation workflows for system verification using XDSM representation. , 2017, , .		0
20	Window shape effect in a single bowden power window system. , 2017, , .		2
21	A multi-domain modelling and verification procedure within MBSE approach to design propulsion systems for road electric vehicles. Mechanics and Industry, 2017, 18, 107.	0.5	7
22	Automotive power window system design: object-oriented modelling and design of experiments integration within a digital pattern approach. Mechanics and Industry, 2016, 17, 505.	0.5	7
23	Systems engineering approach for eco-comparison among power-train configurations of hybrid bus. , 2016, , .		2
24	Improving the Robustness of Mechatronic Systems. , 2016, , 113-128.		2
25	Object-oriented model validation for single bowden power window system development. , 2015, , .		1
26	Work-in-progress: European platform for innovation and collaboration between engineer students (EPICES). , 2015, , .		0
27	PLACIS: Systems engineering through a project-based learning approach general framework, debates and achievements through an overview and a concrete example. , 2015, , .		1
28	Parametric Variational Analysis of Compliant Sheet Metal Assemblies with Shell Elements. Procedia CIRP, 2015, 33, 339-344.	1.0	4
29	System approach to the pre-design of electric propulsion systems for road vehicles. , 2015, , .		3
30	RFLP Approach in the Designing of Power-Trains for Road Electric Vehicles. Applied Condition Monitoring, 2015, , 249-258.	0.4	3
31	Automatic evaluation of variational parameters for tolerance analysis of rigid parts based on graphs. International Journal on Interactive Design and Manufacturing, 2013, 7, 239-248.	1.3	14
32	A Sequential Constraint Solver to Simulate Assembling Operations for Tolerance Analysis. Procedia CIRP, 2013, 10, 169-177.	1.0	4
33	A computer-aided tool to quickly analyse variabilities in flexible assemblies in different design scenarios. International Journal of Product Development, 2013, 18, 112.	0.2	11
34	A Functional Approach to Optimal Dimensioning of Automotive Transmission Shafts. , 2012, , .		1
35	Simulation of variational compliant assemblies with shape errors based on morphing mesh approach. International Journal of Advanced Manufacturing Technology, 2011, 53, 47-61.	1.5	71
36	Variational modeling and assembly constraints in tolerance analysis of rigid part assemblies: planar and cylindrical features. International Journal of Advanced Manufacturing Technology, 2010, 49, 239-251.	1.5	38

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37	3D tolerance specification: an approach for the analysis of the global consistency based on graphs. International Journal on Interactive Design and Manufacturing, 2010, 4, 1-10.	1.3	17
38	Virtual concepts and experiments to improve quality of train interiors. International Journal on Interactive Design and Manufacturing, 2009, 3, 65-79.	1.3	19
39	Innovative assembly process for modular train and feasibility analysis in virtual environment. International Journal on Interactive Design and Manufacturing, 2009, 3, 93-101.	1.3	17
40	Re-design of a railway locomotive in virtual environment for ergonomic requirements. International Journal on Interactive Design and Manufacturing, 2008, 2, 47-57.	1.3	21
41	Statistical variation analysis of multi-station compliant assemblies based on sensitivity matrix. International Journal of Computer Applications in Technology, 2008, 33, 12.	0.3	20
42	Modeling and Simulation of Assembly Constraints in Tolerance Analysis of Rigid Part Assemblies. , 0, , 209-229.		1