Gregorio Romero Rey

List of Publications by Year
in descending order

38 papers	186 citations	1307594 7 h-index	1199594 12 g-index
38 all docs	38 docs citations	38 times ranked	152 citing authors

#	Article	IF	Citations
1	Correction: Ferriz Bosque et al. Using Design Thinking to Improve Cook Stoves Development in Mexico. Sustainability 2021, 13, 3843. Sustainability, 2022, 14, 6206.	3.2	1
2	Using Design Thinking to Improve Cook Stoves Development in Mexico. Sustainability, 2021, 13, 3843.	3.2	4
3	Application of homogenization approaches to the numerical analysis of seating made of multi-wall corrugated cardboard. Composite Structures, 2021, 262, 113642.	5.8	24
4	Enhancing the Accuracy of Linear Finite Element Models of Vehicle Structures Considering Spot-Welded Flanges. Materials, 2021, 14, 6075.	2.9	1
5	Efficient Design of Thin Wall Seating Made of a Single Piece of Heavy-Duty Corrugated Cardboard. Materials, 2021, 14, 6645.	2.9	3
6	Thrombectomy aspiration device geometry optimization for removal of blood clots in cerebral vessels. Journal of Mechanical Engineering and Sciences, 2020, 14, 6229-6237.	0.6	4
7	Modeling of blood clot removal with aspiration Thrombectomy devices. Journal of Mechanical Engineering and Sciences, 2020, 14, 6238-6250.	0.6	3
8	Numerical modelling of blood clot extraction by aspiration thrombectomy. Evaluation of aspiration catheter geometry. Journal of Biomechanics, 2019, 94, 193-201.	2.1	10
9	An Investigation into Blood Clot Removal with the GP Mechanical Thrombectomy Device (GPTAD) in an Abattoir Porcine Artery Model. , 2015, , .		0
10	Analysis of the "GPATD": Geometrical Influence on Blood Clot Extraction Using CFD Simulation. , 2014, , .		1
11	Optimized methods for multi-projector display correction. International Journal on Interactive Design and Manufacturing, 2013, 7, 13-25.	2.2	6
12	An investigation into the performance of a new mechanical thrombectomy device using bond graph modeling: application to the extraction of blood clots in the middle cerebral artery. Simulation, 2013, 89, 381-391.	1.8	8
13	Blood Clot Simulation Model by Using the Bond-Graph Technique. Scientific World Journal, The, 2013, 2013, 1-10.	2.1	13
14	Tiled Projector Displays Correction for Dark Scenes in Railway Simulators. , 2011, , .		0
15	Applicability of the GP Device to the Circle of Willis Arteries by Using a Mathematical Model. , 2011, , .		4
16	Simulation of a Mechanical Thrombectomy Device Based in the Use of Self-Expandable Stents for the Blood Clots Extraction. , 2011, , .		0
17	Analysis and 2D Simulation of a Hexapod Robot Leg for Remote Exploration. , 2011, , .		1
18	Simulation of Multi-body Systems Using Multi-bond Graphs. , 2011, , 323-354.		5

#	Article	IF	Citations
19	Evaluation and use of the standards in of the technical drawings in the final year project. Procedia, Social and Behavioral Sciences, 2010, 2, 4239-4244.	0.5	0
20	A new approach for integrating teams in multidisciplinary project based learning. Procedia, Social and Behavioral Sciences, 2010, 2, 4417-4423.	0.5	4
21	Integrating teams in multidisciplinary project based learning in Mechanical Engineering. , 2010, , .		19
22	A Musculoskeletal Human Gait Model Using the Bond Graph Technique. IFMBE Proceedings, 2010, , 270-273.	0.3	1
23	Simulation of the GPTAD Applied to the Removal of Blood Clots That Arise during Peripheral Vascular Disease. , 2010, , .		2
24	Simulation Model of the Scanner Servocontrols for the Orientation of a Fighter Aircraft by Using the Bond Graph Technique. , 2010, , .		1
25	Analysis and Simulation of the Adhesion Forces between Clot and the Artery Wall for a Novel Thrombectomy Device Applied to the Middle Cerebral Artery. , 2010, , .		2
26	New Advances on Modelling Control Processes Applied to Detection Trains Operations. , 2010, , .		0
27	Computational Modeling of a New Thrombectomy Device for the Extraction of Blood Clots. Advances in Experimental Medicine and Biology, 2010, 680, 627-633.	1.6	4
28	Simulation of the Electrical Operation of a Lathe by Using PI Type Regulators and Bond-Graph Technique. , 2009, , .		0
29	Efficient simulation of mechanism kinematics using bond graphs. Simulation Modelling Practice and Theory, 2009, 17, 293-308.	3.8	11
30	Virtual reality applied to a full simulator of electrical sub-stations. Electric Power Systems Research, 2008, 78, 409-417.	3.6	15
31	Simulation of an Asynchronous Machine by using a Pseudo Bond Graph. , 2008, , .		2
32	Simulation of an Electrical Substation Using the Bond Graph Technique. , 2008, , .		0
33	Technical Drawings and Virtual Prototypes. International Journal of Mechanical Engineering Education, 2007, 35, 56-64.	1.0	0
34	A Full Driving Simulator of Urban Traffic including Traffic Accidents. Simulation, 2007, 83, 415-431.	1.8	6
35	A minimal set of dynamic equations in systems modelled with bond graphs. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2007, 221, 15-26.	1.0	1
36	A model for simulating a lead-acid battery using bond graphs. Simulation Modelling Practice and Theory, 2007, 15, 82-97.	3.8	23

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37	A full model for simulation of electrochemical cells including complex behavior. Journal of Power Sources, 2007, 165, 436-445.	7.8	7
38	Modelling the Interoperability and the Use of Control Equipment in an Electrical Substation. , 0, , .		0