

# Gregorio Romero Rey

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Application of homogenization approaches to the numerical analysis of seating made of multi-wall corrugated cardboard. <i>Composite Structures</i> , 2021, 262, 113642.	5.8	24
2	A model for simulating a lead-acid battery using bond graphs. <i>Simulation Modelling Practice and Theory</i> , 2007, 15, 82-97.	3.8	23
3	Integrating teams in multidisciplinary project based learning in Mechanical Engineering. , 2010, , .		19
4	Virtual reality applied to a full simulator of electrical sub-stations. <i>Electric Power Systems Research</i> , 2008, 78, 409-417.	3.6	15
5	Blood Clot Simulation Model by Using the Bond-Graph Technique. <i>Scientific World Journal</i> , The, 2013, 2013, 1-10.	2.1	13
6	Efficient simulation of mechanism kinematics using bond graphs. <i>Simulation Modelling Practice and Theory</i> , 2009, 17, 293-308.	3.8	11
7	Numerical modelling of blood clot extraction by aspiration thrombectomy. Evaluation of aspiration catheter geometry. <i>Journal of Biomechanics</i> , 2019, 94, 193-201.	2.1	10
8	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. <i>Simulation</i> , 2013, 89, 381-391.	1.8	8
9	A full model for simulation of electrochemical cells including complex behavior. <i>Journal of Power Sources</i> , 2007, 165, 436-445.	7.8	7
10	A Full Driving Simulator of Urban Traffic including Traffic Accidents. <i>Simulation</i> , 2007, 83, 415-431.	1.8	6
11	Optimized methods for multi-projector display correction. <i>International Journal on Interactive Design and Manufacturing</i> , 2013, 7, 13-25.	2.2	6
12	Simulation of Multi-body Systems Using Multi-bond Graphs. , 2011, , 323-354.		5
13	A new approach for integrating teams in multidisciplinary project based learning. <i>Procedia, Social and Behavioral Sciences</i> , 2010, 2, 4417-4423.	0.5	4
14	Applicability of the GP Device to the Circle of Willis Arteries by Using a Mathematical Model. , 2011, , .		4
15	Using Design Thinking to Improve Cook Stoves Development in Mexico. <i>Sustainability</i> , 2021, 13, 3843.	3.2	4
16	Computational Modeling of a New Thrombectomy Device for the Extraction of Blood Clots. <i>Advances in Experimental Medicine and Biology</i> , 2010, 680, 627-633.	1.6	4
17	Thrombectomy aspiration device geometry optimization for removal of blood clots in cerebral vessels. <i>Journal of Mechanical Engineering and Sciences</i> , 2020, 14, 6229-6237.	0.6	4
18	Modeling of blood clot removal with aspiration Thrombectomy devices. <i>Journal of Mechanical Engineering and Sciences</i> , 2020, 14, 6238-6250.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Efficient Design of Thin Wall Seating Made of a Single Piece of Heavy-Duty Corrugated Cardboard. <i>Materials</i> , 2021, 14, 6645.	2.9	3
20	Simulation of an Asynchronous Machine by using a Pseudo Bond Graph. , 2008, , .		2
21	Simulation of the GPTAD Applied to the Removal of Blood Clots That Arise during Peripheral Vascular Disease. , 2010, , .		2
22	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
23	A minimal set of dynamic equations in systems modelled with bond graphs. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2007, 221, 15-26.	1.0	1
24	A Musculoskeletal Human Gait Model Using the Bond Graph Technique. <i>IFMBE Proceedings</i> , 2010, , 270-273.	0.3	1
25	Simulation Model of the Scanner Servocontrols for the Orientation of a Fighter Aircraft by Using the Bond Graph Technique. , 2010, , .		1
26	Analysis and 2D Simulation of a Hexapod Robot Leg for Remote Exploration. , 2011, , .		1
27	Analysis of the &#x0022;GPATD&#x0022;; Geometrical Influence on Blood Clot Extraction Using CFD Simulation. , 2014, , .		1
28	Enhancing the Accuracy of Linear Finite Element Models of Vehicle Structures Considering Spot-Welded Flanges. <i>Materials</i> , 2021, 14, 6075.	2.9	1
29	Correction: Ferriz Bosque et al. Using Design Thinking to Improve Cook Stoves Development in Mexico. <i>Sustainability</i> 2021, 13, 3843. <i>Sustainability</i> , 2022, 14, 6206.	3.2	1
30	Technical Drawings and Virtual Prototypes. <i>International Journal of Mechanical Engineering Education</i> , 2007, 35, 56-64.	1.0	0
31	Simulation of an Electrical Substation Using the Bond Graph Technique. , 2008, , .		0
32	Simulation of the Electrical Operation of a Lathe by Using PI Type Regulators and Bond-Graph Technique. , 2009, , .		0
33	Evaluation and use of the standards in of the technical drawings in the final year project. <i>Procedia, Social and Behavioral Sciences</i> , 2010, 2, 4239-4244.	0.5	0
34	Modelling the Interoperability and the Use of Control Equipment in an Electrical Substation. , 0, , .		0
35	New Advances on Modelling Control Processes Applied to Detection Trains Operations. , 2010, , .		0
36	Tiled Projector Displays Correction for Dark Scenes in Railway Simulators. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
37	Simulation of a Mechanical Thrombectomy Device Based in the Use of Self-Expandable Stents for the Blood Clots Extraction. , 2011, , .		0
38	An Investigation into Blood Clot Removal with the GP Mechanical Thrombectomy Device (GPTAD) in an Abattoir Porcine Artery Model. , 2015, , .		0