André Blanco

List of Publications by Year
in descending order

39 papers	436 citations	933447 10 h-index	794594 19 g-index
41 all docs	41 docs citations	41 times ranked	440 citing authors

#	Article	IF	Citations
1	A Robust Controller for Upper Limb Rehabilitation Exoskeleton. Applied Sciences (Switzerland), 2022, 12, 1178.	2.5	6
2	Biomechanics of the Upper Limbs: A Review in the Sports Combat Ambit Highlighting Wearable Sensors. Sensors, 2022, 22, 4905.	3.8	6
3	Design, Development and Control of a Therapeutic Robot Incorporating Aquatic Therapy for Ankle Rehabilitation. Machines, 2021, 9, 254.	2.2	1
4	Implementation of Virtual Sensors for Monitoring Temperature in Greenhouses Using CFD and Control. Sensors, 2019, 19, 60.	3.8	41
5	WRITING EFFECTIVE ENGINEERING RESEARCH PAPERS: A BRIEF GUIDE FOR NEW WRITERS. Dyna (Spain), 2019, 94, 262-266.	0.2	0
6	Searching for Cerebrovascular Disease Optimal Treatment Recommendations Applying Partially Observable Markov Decision Processes. International Journal of Pattern Recognition and Artificial Intelligence, 2018, 32, 1860015.	1.2	1
7	Literature review and current trends on transfemoral powered prosthetics. Advanced Robotics, 2018, 32, 51-62.	1.8	18
8	Robust GPI Control of a New Parallel Rehabilitation Robot of Lower Extremities. International Journal of Control, Automation and Systems, 2018, 16, 2384-2392.	2.7	14
9	Closed-form solutions for the optimal design of inerter-based dynamic vibration absorbers. International Journal of Mechanical Sciences, 2018, 144, 41-53.	6.7	84
10	Characterization of pneumatic muscles and their use for the position control of a mechatronic finger. Mechatronics, 2017, 42, 25-40.	3.3	19
11	Passive Rehabilitation Exercises with an Ankle Rehabilitation Prototype Based in a Robot Parallel Structure. IEEE Latin America Transactions, 2017, 15, 48-56.	1.6	18
12	Active Rehabilitation Exercises With a Parallel Structure Ankle Rehabilitation Prototype. IEEE Latin America Transactions, 2017, 15, 786-794.	1.6	8
13	A novel methodology for the angular position identification of the unbalance force on asymmetric rotors by response polar plot analysis. Mechanical Systems and Signal Processing, 2017, 95, 172-186.	8.0	12
14	Robust control of a hip–joint rehabilitation robot. Biomedical Signal Processing and Control, 2017, 35, 100-109.	5.7	23
15	Comparative analysis of the fatigue short crack growth on Al 6061-T6 alloy by the exponential crack growth equation and a proposed empirical model. Engineering Fracture Mechanics, 2017, 177, 203-217.	4.3	13
16	Real-time myoelectric control for a lower-limb assistive exoskeleton. Advanced Robotics, 2017, 31, 291-302.	1.8	1
17	Improvement of ultimate tensile strength by artificial ageing and retrogression treatment of aluminium alloy 6061. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 668, 201-207.	5.6	43
18	Design and development of a parallel robot based on an XY table for ankle rehabilitation. International Journal of Automation and Control, 2015, 9, 89.	0.5	7

#	Article	IF	Citations
19	Optimal Controller and Controller Based on Differential Flatness in a Linear Guide System: A Performance Comparison of Indexes. Mathematical Problems in Engineering, 2015, 2015, 1-10.	1.1	1
20	Sit-to-Stand Simulation for Torque Estimation on Lower Limb Joints. , 2015, , .		4
21	HipBot â€" The design, development and control of a therapeutic robot for hip rehabilitation. Mechatronics, 2015, 30, 55-64.	3.3	20
22	LA ROBÃ"TICA EN LA REHABILITACIÃ"N DE CADERA. Dyna (Spain), 2014, 89, 281-286.	0.2	3
23	Control of a hip rehabilitation robot using a virtual prototype. , 2013, , .		0
24	CPM Ankle Rehabilitation Machine with EMG Signal Analysis. , 2013, , .		4
25	A Generalized Proportional Integral Controller for an Ankle Rehabilitation Machine Based on an XY Table. , 2013, , .		1
26	Design and Analysis of a New Robotic Mechanism for Lower Limbs Rehabilitation. , 2013, , .		5
27	A Generalized Proportional Integral Controller for the Robust Perturbation Rejection in an Ankle Rehabilitation Machine. , 2013, , .		1
28	Control of a Knee Rehabilitation Machine Using a Virtual Prototype. Advances in Intelligent and Soft Computing, 2012, , 601-609.	0.2	9
29	Active Vibration Control for a Nonlinear Mechanical System Using On-line Algebraic Identification. , 2010, , .		2
30	Control de Vibraciones en Maquinaria Rotatoria. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2010, 7, 36-43.	1.0	4
31	Adaptive Algorithm-Based Fused Bayesian Maximum Entropy-Variational Analysis Methods for Enhanced Radar Imaging. Lecture Notes in Computer Science, 2010, , 154-163.	1.3	1
32	Sliding mode based differential flatness control and state estimation of vehicle active suspensions. , 2009, , .		5
33	Sliding mode and Generalized PI control of vehicle active suspensions. , 2009, , .		9
34	A robust generalized proportional integral controller for the induction motor. , 2008, , .		13
35	Active disk for automatic balancing of rotor-bearing sytems. , 2008, , .		9
36	Sigma-Delta modulation sliding mode observers for linear systems subject to locally unstable inputs. , 2008, , .		16

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37	On-Line Algebraic Identification of Eccentricity in Active Vibration Control of Rotor-Bearing Systems. , 2007, , .		4
38	Active Vibration Control of Rotor-Bearing Systems. , 0, , .		0
39	An Integrated Balancing Method for Asymmetric Rotor-Bearing Systems: Algebraic Identification, Modal Balancing, and Active Balancing Disks. Journal of Vibration Engineering and Technologies, 0, , .	2.2	1