

# LuÃ-s A Rocha

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

465  
citations

687363

13  
h-index

713466

21  
g-index

34  
all docs

34  
docs citations

34  
times ranked

865  
citing authors

#	ARTICLE	IF	CITATIONS
1	Levetiracetam treatment leads to functional recovery after thoracic or cervical injuries of the spinal cord. <i>Npj Regenerative Medicine</i> , 2021, 6, 11.	5.2	10
2	In vitro Evaluation of ASCs and HUVECs Co-cultures in 3D Biodegradable Hydrogels on Neurite Outgrowth and Vascular Organization. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 489.	3.7	15
3	Cell and Tissue Instructive Materials for Central Nervous System Repair. <i>Advanced Functional Materials</i> , 2020, 30, 1909083.	14.9	20
4	$\alpha_3\beta_1$ and $\alpha_5\beta_1$ integrin-specific ligands: From tumor angiogenesis inhibitors to vascularization promoters in regenerative medicine?. <i>Biotechnology Advances</i> , 2018, 36, 208-227.	11.7	51
5	The Role of Biomaterials as Angiogenic Modulators of Spinal Cord Injury: Mimetics of the Spinal Cord, Cell and Angiogenic Factor Delivery Agents. <i>Frontiers in Pharmacology</i> , 2018, 9, 164.	3.5	34
6	Novel magnetic readout for hybrid spintronic MEMS devices. , 2017, , .		0
7	Piezo-resistive behaviour at high strain levels of PEDOT:PSS printed on a flexible polymeric substrate by a novel surface treatment. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 2563-2573.	2.2	7
8	Body Attenuation and Path Loss Exponent Estimation for RSS-Based Positioning in WSN. <i>Wireless Personal Communications</i> , 2017, 94, 835-857.	2.7	3
9	Application of Machine Learning in Postural Control Kinematics for the Diagnosis of Alzheimer's Disease. <i>Computational Intelligence and Neuroscience</i> , 2016, 2016, 1-15.	1.7	37
10	Digital Platform for Wafer-Level MEMS Testing and Characterization Using Electrical Response. <i>Sensors</i> , 2016, 16, 1553.	3.8	7
11	Compensatory Postural Adjustments in an Oculus Virtual Reality Environment and the Risk of Falling in Alzheimer's Disease. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2016, 6, 252-267.	1.3	23
12	Compensatory postural adjustments in Parkinson's disease assessed via a virtual reality environment. <i>Behavioural Brain Research</i> , 2016, 296, 384-392.	2.2	20
13	Role of the Visual and Auditory Systems in Postural Stability in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 46, 441-449.	2.6	19
14	The effect of levodopa on postural stability evaluated by wearable inertial measurement units for idiopathic and vascular Parkinson's disease. <i>Gait and Posture</i> , 2015, 41, 459-464.	1.4	23
15	Inkjet Printed Pressure Sensing Platform for Postural Imbalance Monitoring. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2015, 64, 2813-2820.	4.7	29
16	Implantable Flexible Pressure Measurement System Based on Inductive Coupling. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 680-687.	4.2	11
17	Improving capacitance/damping ratio in a capacitive MEMS transducer. <i>Journal of Micromechanics and Microengineering</i> , 2014, 24, 015008.	2.6	7
18	Analysis of postural kinetics data using Artificial Neural Networks in Alzheimer's Disease. , 2014, , .		2

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19	Postural Stability Analysis with Inertial Measurement Units in Alzheimer's Disease. Dementia and Geriatric Cognitive Disorders Extra, 2014, 4, 22-30.	1.3	37
20	A Self-Tunable Dynamic Vibration Absorber for Tremor Suppression. , 2013, , .		1
21	Medical device specificities: opportunities for a dedicated product development methodology. Expert Review of Medical Devices, 2012, 9, 299-311.	2.8	32
22	Modeling of the medical device development process. Expert Review of Medical Devices, 2012, 9, 537-543.	2.8	12
23	Closed-loop Operated Time-Based Accelerometer. Procedia Engineering, 2012, 47, 398-401.	1.2	0
24	Mechanical properties of stentâ€“graft materials. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2012, 226, 330-341.	1.1	10
25	Evolution of the Cost-Effectiveness of Endovascular and Open Surgical Repair of Abdominal Aortic Aneurysms. Journal of Medical Devices, Transactions of the ASME, 2012, 6, .	0.7	0
26	Squeeze-film damper design with air channels: Experimental verification. Procedia Engineering, 2011, 25, 47-50.	1.2	2
27	Design of a Time-Based Micro-g Accelerometer. IEEE Sensors Journal, 2011, 11, 1677-1683.	4.7	11
28	Pull-in-based $\frac{1}{4}g$ -resolution accelerometer: Characterization and noise analysis. Sensors and Actuators A: Physical, 2011, 172, 47-53.	4.1	20
29	An Enhanced Reservation-Based MAC Protocol for IEEE 802.15.4 Networks. Sensors, 2011, 11, 3852-3873.	3.8	16
30	Development of Medical Devices: Advantages of a Methodic Approach. IFMBE Proceedings, 2011, , 1144-1147.	0.3	0
31	Characterization of a pull-in based $\frac{1}{4}g$ -resolution accelerometer: Characterization and noise analysis. Sensors and Actuators A: Physical, 2011, 172, 47-53. Procedia Engineering, 2012, 47, 398-401.	1.2	1
32	Full-Gap Positioning of Parallel-Plate Electrostatic MEMS Using On-off Control. , 2007, , .		4
33	On-Off Control for Full-Gap Positioning of Parallel-Plate Electrostatic MEMS. , 2006, , .		0
34	Experimental Verification of Rarefied Gas Squeezed-Film Damping Models Used in MEMS. , 2006, , .		1