

# Giuseppe Schiavone

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35  
papers

401  
citations

10  
h-index

19  
g-index

40  
ext. papers

629  
ext. citations

11.7  
avg, IF

4.11  
L-index

#	Paper	IF	Citations
35	Intraoperative Ultrasound-Guided Resection of Gliomas: A Meta-Analysis and Review of the Literature. <i>World Neurosurgery</i> , <b>2016</b> , 92, 255-263	2.1	53
34	Conformable Hybrid Systems for Implantable Bioelectronic Interfaces. <i>Advanced Materials</i> , <b>2020</b> , 32, e1903904	24	41
33	Soft, Implantable Bioelectronic Interfaces for Translational Research. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906512	24	38
32	Conformable bioelectronic interfaces: Mapping the road ahead. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	35
31	Recruitment of upper-limb motoneurons with epidural electrical stimulation of the cervical spinal cord. <i>Nature Communications</i> , <b>2021</b> , 12, 435	17.4	31
30	Structured nanoscale metallic glass fibres with extreme aspect ratios. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 875-882	28.7	30
29	Neuroprosthetic baroreflex controls haemodynamics after spinal cord injury. <i>Nature</i> , <b>2021</b> , 590, 308-314	50.4	27
28	Integrated Magnetic MEMS Relays: Status of the Technology. <i>Micromachines</i> , <b>2014</b> , 5, 622-653	3.3	18
27	Guidelines to Study and Develop Soft Electrode Systems for Neural Stimulation. <i>Neuron</i> , <b>2020</b> , 108, 238-258	25.8	17
26	A wafer mapping technique for residual stress in surface micromachined films. <i>Journal of Micromechanics and Microengineering</i> , <b>2016</b> , 26, 095013	2	13
25	Optimised co-electrodeposition of FeCo alloys for maximum magnetostriction effect. <i>Sensors and Actuators A: Physical</i> , <b>2015</b> , 223, 91-96	3.9	9
24	Fabrication and Measurement of Test Structures to Monitor Stress in SU-8 Films. <i>IEEE Transactions on Semiconductor Manufacturing</i> , <b>2012</b> , 25, 346-354	2.6	9
23	Characterisation of electroplated NiFe films using test structures and wafer mapped measurements <b>2011</b> ,		9
22	MRI-Compatible and Conformal Electroencephalography Grids for Translational Research. <i>Advanced Science</i> , <b>2021</b> , 8, 2003761	13.6	9
21	Long-term functionality of a soft electrode array for epidural spinal cord stimulation in a minipig model. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2018</b> , 2018, 1432-1435	0.9	7
20	Selective Recruitment of Arm Motoneurons in Nonhuman Primates Using Epidural Electrical Stimulation of the Cervical Spinal Cord. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2018</b> , 2018, 1424-1427	0.9	6
19	. <i>Journal of Microelectromechanical Systems</i> , <b>2015</b> , 24, 870-879	2.5	5

18	Dual Orientation 16-MHz Single-Element Ultrasound Needle Transducers for Image-Guided Neurosurgical Intervention. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2016</b> , 63, 233-44	3.2	4
17	Integration of Electrodeposited Ni-Fe in MEMS with Low-Temperature Deposition and Etch Processes. <i>Materials</i> , <b>2017</b> , 10,	3.5	4
16	Quantitative wafer mapping of residual stress in electroplated NiFe films using independent strain and Young's modulus measurements <b>2012</b> ,		4
15	Microscale Liquid Metal Conductors for Stretchable and Transparent Electronics. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2100690	6.8	4
14	Correlation of optical and electrical test structures for characterisation of copper self-annealing <b>2012</b> ,		3
13	Recruitment of Upper-Limb Motoneurons with Epidural Electrical Stimulation of the Primate Cervical Spinal Cord		3
12	Extended Barrier Lifetime of Partially Cracked Organic/Inorganic Multilayers for Compliant Implantable Electronics. <i>Small</i> , <b>2021</b> , 17, e2103039	11	3
11	A highly compact packaging concept for ultrasound transducer arrays embedded in neurosurgical needles. <i>Microsystem Technologies</i> , <b>2017</b> , 23, 3881-3891	1.7	2
10	Bioelectronic Interfaces: Soft, Implantable Bioelectronic Interfaces for Translational Research (Adv. Mater. 17/2020). <i>Advanced Materials</i> , <b>2020</b> , 32, 2070133	24	2
9	Characterisation of residual stress in dielectric films studied by automated wafer mapping <b>2014</b> ,		2
8	Micromechanical test structures for the characterisation of electroplated NiFe cantilevers and their viability for use in MEMS switching devices <b>2013</b> ,		2
7	Microfabricated bioelectronic systems for prevention, diagnostics and treatment of neurological disorders <b>2019</b> ,		2
6	A modular strategy for next-generation upper-limb sensory-motor neuroprostheses.. <i>Med</i> , <b>2021</b> , 2, 912-937	3.7	2
5	Ex-vivo navigation of neurosurgical biopsy needles using microultrasound transducers with M-mode imaging <b>2015</b> ,		1
4	Advanced electrical array interconnections for ultrasound probes integrated in surgical needles <b>2014</b> ,		1
3	15 MHz single element ultrasound needle transducers for neurosurgical applications <b>2014</b> ,		1
2	Dimensional scaling of thin-film stimulation electrode systems in translational research. <i>Journal of Neural Engineering</i> , <b>2021</b> , 18,	5	1
1	Chronic Recording of Cortical Activity Underlying Vocalization in Awake Minipigs. <i>Journal of Neuroscience Methods</i> , <b>2021</b> , 366, 109427	3	

