

Florian Fallegger

List of Publications by Year in Descending Order

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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.

20
papers

408
citations

11
h-index

20
g-index

21
ext. papers

648
ext. citations

15.8
avg. IF

3.93
L-index

#	Paper	IF	Citations
20	A 16-Channel Neural Recording System-on-Chip With CHT Feature Extraction Processor in 65-nm CMOS. <i>IEEE Journal of Solid-State Circuits</i> , 2022 , 1-1	5.5	0
19	Chronic Recording of Cortical Activity Underlying Vocalization in Awake Minipigs. <i>Journal of Neuroscience Methods</i> , 2021 , 366, 109427	3	
18	Intrafascicular peripheral nerve stimulation produces fine functional hand movements in primates. <i>Science Translational Medicine</i> , 2021 , 13, eabg6463	17.5	1
17	MRI-Compatible and Conformal Electrocorticography Grids for Translational Research. <i>Advanced Science</i> , 2021 , 8, 2003761	13.6	9
16	2021 ,		1
15	Viscoelastic surface electrode arrays to interface with viscoelastic tissues. <i>Nature Nanotechnology</i> , 2021 , 16, 1019-1029	28.7	27
14	Neuroprosthetic baroreflex controls haemodynamics after spinal cord injury. <i>Nature</i> , 2021 , 590, 308-314	50.4	27
13	Recruitment of upper-limb motoneurons with epidural electrical stimulation of the cervical spinal cord. <i>Nature Communications</i> , 2021 , 12, 435	17.4	31
12	Bioelectronic Interfaces: Soft, Implantable Bioelectronic Interfaces for Translational Research (Adv. Mater. 17/2020). <i>Advanced Materials</i> , 2020 , 32, 2070133	24	2
11	Soft, Implantable Bioelectronic Interfaces for Translational Research. <i>Advanced Materials</i> , 2020 , 32, e1906512	26.12	38
10	Soft Printable Electrode Coating for Neural Interfaces.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 4388-4397	4.1	17
9	Conformable Hybrid Systems for Implantable Bioelectronic Interfaces. <i>Advanced Materials</i> , 2020 , 32, e1903904	24	41
8	Guidelines to Study and Develop Soft Electrode Systems for Neural Stimulation. <i>Neuron</i> , 2020 , 108, 238-258	25.9	17
7	Microstructured thin-film electrode technology enables proof of concept of scalable, soft auditory brainstem implants. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	31
6	Microfabricated bioelectronic systems for prevention, diagnostics and treatment of neurological disorders 2019 ,		2
5	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> , 2018 , 2018, 1432-1435	0.9	7
4	Low-Loss BaTiO ₃ /Bi Waveguides for Nonlinear Integrated Photonics. <i>ACS Photonics</i> , 2016 , 3, 1698-1703	6.3	55

3	Implantable microcoils for intracortical magnetic stimulation. <i>Science Advances</i> , 2016 , 2, e1600889	14.3	70
2	Analysis of the Pockels effect in ferroelectric barium titanate thin films on Si(0 0 1). <i>Microelectronic Engineering</i> , 2015 , 147, 215-218	2.5	27
1	Recruitment of Upper-Limb Motoneurons with Epidural Electrical Stimulation of the Primate Cervical Spinal Cord		3