Yaoyao Jia

List of Publications by Year in descending order

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31	547	840776 11	839539 18
papers	citations	h-index	g-index

32	32	32	601
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wireless Circuits and Systems: Energy-Neutral Links. , 2022, , 1037-1061.		0
2	An Ultrasonic Energy Harvesting IC Providing Adjustable Bias Voltage for Pre-Charged CMUT. IEEE Transactions on Biomedical Circuits and Systems, 2022, 16, 842-851.	4.0	4
3	Influence of Armband Form Factors on Wearable ECG Monitoring Performance. IEEE Sensors Journal, 2021, 21, 11046-11060.	4.7	15
4	Recent advances in power supply strategies for untethered neural implants. Journal of Micromechanics and Microengineering, 2021, 31, 104003.	2.6	4
5	A fully transparent, flexible PEDOT:PSSâ€“ITOâ€“Agâ€“ITO based microelectrode array for ECoG recording. Lab on A Chip, 2021, 21, 1096-1108.	6.0	28
6	Wireless Multimodal Neural Interface Device for Neural Control Studies. , 2021, , .		2
7	Towards a Self-Powered ECG and PPG Sensing Wearable Device. , 2021, 2021, 6791-6794.		1
8	A Reconfigurable Passive Voltage Multiplier for Wireless Mobile IoT Applications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 615-619.	3.0	13
9	Toward a High-Throughput Wireless Smart Arena for Behavioral Experiments on Small Animals. IEEE Transactions on Biomedical Engineering, 2020, 67, 2359-2369.	4.2	7
10	A mm-Sized Free-Floating Wireless Implantable Opto-Electro Stimulation Device. Micromachines, 2020, 11, 621.	2.9	4
11	Continuous ECG Monitoring with Low-Power Electronics and Energy Harvesting. , 2020, , .		4
12	Wirelessly-Powered Cage Designs for Supporting Long-Term Experiments on Small Freely Behaving Animals in a Large Experimental Arena. Electronics (Switzerland), 2020, 9, 1999.	3.1	7
13	A Trimodal Wireless Implantable Neural Interface System-on-Chip. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 1207-1217.	4.0	58
14	Wireless Circuits and Systems: Energy-Neutral Links. , 2020, , 1-25.		0
15	A mm-Sized Free-Floating Wirelessly Powered Implantable Optical Stimulation Device. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 608-618.	4.0	33
16	A Software-Defined Radio Receiver for Wireless Recording From Freely Behaving Animals. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 1645-1654.	4.0	9
17	Inductively coupled, mm-sized, single channel optical neuro-stimulator with intensity enhancer. Microsystems and Nanoengineering, 2019, 5, 23.	7.0	12
18	A Dual-Band Wireless Power Transmission System for Evaluating mm-Sized Implants. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 595-607.	4.0	34

#	ARTICLE	IF	CITATIONS
19	Towards a mm-Sized Free-Floating Wireless Implantable Opto-Electro Stimulation Device. , 2019, , .		5
20	An Inductively-Powered Wireless Neural Recording and Stimulation System for Freely-Behaving Animals. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 413-424.	4.0	53
21	A mm-sized free-floating wirelessly powered implantable optical stimulating system-on-a-chip. , 2018, , .		31
22	Toward A Robust Multi-Antenna Receiver for Wireless Recording From Freely-Behaving Animals. , 2018, , .		4
23	Power Efficiency and Power Delivery Measurement in Inductive Links with Arbitrary Source and Load Impedance Values. , 2018, , .		2
24	Wireless opto-electro neural interface for experiments with small freely behaving animals. Journal of Neural Engineering, 2018, 15, 046032.	3.5	39
25	A miniaturized, wirelessly-powered, reflector-coupled single channel opto neurostimulator. , 2018, , .		8
26	An Implantable Peripheral Nerve Recording and Stimulation System for Experiments on Freely Moving Animal Subjects. Scientific Reports, 2018, 8, 6115.	3.3	77
27	Position and Orientation Insensitive Wireless Power Transmission for EnerCage-Homecage System. IEEE Transactions on Biomedical Engineering, 2017, 64, 2439-2449.	4.2	50
28	Towards a free-floating wireless implantable optogenetic stimulating system. , 2017, , .		6
29	A Wirelessly-Powered Homecage With Segmented Copper Foils and Closed-Loop Power Control. IEEE Transactions on Biomedical Circuits and Systems, 2016, 10, 979-989.	4.0	29
30	Live demonstration: A smart homecage system with behavior analysis and closed-loop optogenetic stimulation capacibilities. , 2015, , .		0
31	A closed-loop wireless homecage for optogenetic stimulation experiments. , 2015, , .		8