

Yoon-Kyu Song

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

478
citations

759233

12
h-index

752698

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g-index

26
all docs

26
docs citations

26
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	Listening to Brain Microcircuits for Interfacing With External Worldâ€”Progress in Wireless Implantable Microelectronic Neuroengineering Devices. Proceedings of the IEEE, 2010, 98, 375-388.	21.3	114
2	Development of a chip-scale integrated microelectrode/microelectronic device for brain implantable neuroengineering applications. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2005, 13, 220-226.	4.9	62
3	An Implantable Wireless Network of Distributed Microscale Sensors for Neural Applications. , 2019, , .		39
4	An Implantable Neural Sensing Microsystem with Fiber-Optic Data Transmission and Power Delivery. Sensors, 2013, 13, 6014-6031.	3.8	31
5	A Brain Implantable Microsystem with Hybrid RF/IR Telemetry for Advanced Neuroengineering Applications. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 445-8.	0.5	28
6	A Distributed Wireless Network of Implantable Sub-mm Cortical Microstimulators for Brain-Computer Interfaces. , 2019, 2019, 6876-6879.		23
7	A microscale photovoltaic neurostimulator for fiber optic delivery of functional electrical stimulation. Journal of Neural Engineering, 2007, 4, 213-218.	3.5	20
8	A review on wireless powering schemes for implantable microsystems in neural engineering applications. Biomedical Engineering Letters, 2016, 6, 205-215.	4.1	19
9	Multivalent Traptavidinâ€™DNA Conjugates for the Programmable Assembly of Nanostructures. ACS Nano, 2019, 13, 1183-1194.	14.6	19
10	Spectroscopic Sorting of Aerosols by a Compact Sensor Employing UV LEDs. Aerosol Science and Technology, 2006, 40, 1047-1051.	3.1	17
11	Protocol for the Observation of the Primo Vascular System in the Lymph Vessels of Rabbits. JAMS Journal of Acupuncture and Meridian Studies, 2012, 5, 234-240.	0.7	17
12	A Scalable and Low Stress Post-CMOS Processing Technique for Implantable Microsensors. Micromachines, 2020, 11, 925.	2.9	16
13	Combining Multicore Imaging Fiber With Matrix Addressable Blue/Green LED Arrays for Spatiotemporal Photonic Excitation at Cellular Level. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 167-170.	2.9	13
14	Primo Vascular System Floating in Lymph Ducts of Rats. JAMS Journal of Acupuncture and Meridian Studies, 2013, 6, 306-318.	0.7	13
15	Epitaxial growth of aligned GaN nanowires and nanobridges. Physica Status Solidi (B): Basic Research, 2007, 244, 1810-1814.	1.5	9
16	Nitride-organic semiconductor hybrid heterostructures for optoelectronic devices. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 2411-2414.	0.8	8
17	Nitride-organic hybrid heterostructures for possible novel optoelectronic devices: charge injection and transport. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 593-595.	0.8	7
18	Compact semiconductor light-emitting diodes for dynamic imaging of neuronal circuitry. IEEE Journal of Selected Topics in Quantum Electronics, 2005, 11, 785-790.	2.9	6

#	ARTICLE	IF	CITATIONS
19	Step-growth polymerization of traptavidin-DNA conjugates for plasmonic nanostructures. Chinese Chemical Letters, 2020, 31, 1137-1140.	9.0	6
20	Wireless Addressable Cortical Microstimulators Powered by Near-Infrared Harvesting. ACS Sensors, 2021, 6, 2728-2737.	7.8	5
21	A Distributed Ensemble of wireless Intracortical Microdevices for Charge-balanced Photovoltaic Current Stimulation. , 2021, , .		2
22	NITRIDE LASERS: OPTICAL GAIN AND DEVICE IMPLICATIONS. International Journal of High Speed Electronics and Systems, 1998, 09, 1139-1162.	0.7	1
23	Versatile ultraviolet light emitting diodes for sensor applications. Physica Status Solidi A, 2004, 201, 2721-2725.	1.7	1
24	Gallium Nitride LEDs Incorporating Organic Semiconductor Heterojunctions. , 2007, , .		1
25	An efficient cell type specific conjugating method for incorporating various nanostructures to genetically encoded AviTag expressed optogenetic opsins. Biochemical and Biophysical Research Communications, 2020, 530, 581-587.	2.1	1
26	Microscale flexible image projection device for spatiotemporal excitation in the research of visual system development. , 2008, , .		0