

# Sang-Don Jung

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

320  
citations

1163117

8  
h-index

839539

18  
g-index

24  
all docs

24  
docs citations

24  
times ranked

653  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous photoadhesion and photopatterning technique for passivation of flexible neural electrodes based on fluoropolymers. <i>Scientific Reports</i> , 2020, 10, 21386.	3.3	4
2	Presynaptic Spike-Driven Spike Timing-Dependent Plasticity With Address Event Representation for Large-Scale Neuromorphic Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020, 67, 1936-1947.	5.4	18
3	Characterization of Tetrodes Coated with Au Nanoparticles (AuNPs) and PEDOT and Their Application to Thalamic Neural Signal Detection <i>in vivo</i> . <i>Experimental Neurobiology</i> , 2018, 27, 593-604.	1.6	10
4	Iridium oxide on indium-tin oxide nanowires: An all metal oxide heterostructured multi-electrode array for neuronal interfacing. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 718-725.	7.8	12
5	A 128-Channel FPGA-Based Real-Time Spike-Sorting Bidirectional Closed-Loop Neural Interface System. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 2227-2238.	4.9	38
6	Fluoropolymer-Based Flexible Neural Prosthetic Electrodes for Reliable Neural Interfacing. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 43420-43428.	8.0	8
7	Event-based delay-controlled stimulator controller with priority queue for real-time closed-loop neural interface system. , 2017, , .		0
8	Electrochemical and <i>in vitro</i> neuronal recording characteristics of multi-electrode arrays surface-modified with electro-co-deposited gold-platinum nanoparticles. <i>Biomedical Microdevices</i> , 2016, 18, 14.	2.8	8
9	Iridium Oxide-“Electrodeposited Nanoporous Gold Multielectrode Array with Enhanced Stimulus Efficacy. <i>Nano Letters</i> , 2016, 16, 7163-7168.	9.1	22
10	Highly Flexible and Planar Supercapacitors Using Graphite Flakes/Polypyrrole in Polymer Lapping Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13405-13414.	8.0	117
11	<i>In vitro</i> extracellular recording and stimulation performance of nanoporous gold-modified multi-electrode arrays. <i>Journal of Neural Engineering</i> , 2015, 12, 066029.	3.5	30
12	Fabrication of multi-electrode array platforms for neuronal interfacing with bi-layer lift-off resist sputter deposition. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 097001.	2.6	19
13	Fabrication of gold multi-electrode array with bi-layer lift-off resist technique and surface modification with gold nanoparticles by electrochemical deposition. , 2013, , .		1
14	Facile photopatterning of polyfluorene for patterned neuronal networks. <i>Soft Matter</i> , 2011, 7, 10025.	2.7	10
15	Theoretical Two-Photon Absorption Cross-Sections of Dithienothiophene-Based Molecules. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 370, 173-176.	0.3	0
16	Electrode effects on the low-frequency dielectric properties of (Ba, Sr)TiO <sub>3</sub> thin films prepared by pulsed laser ablation. <i>Integrated Ferroelectrics</i> , 1999, 24, 33-43.	0.7	5
17	Electroluminescent Characteristics of Heterostructured Device with PPV Derivative and Tris(8-hydroxyquinoline) aluminum. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 316, 269-272.	0.3	2
18	Electroluminescent Properties of Novel Silyl-Disubstituted Soluble PPV Derivative. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 316, 281-284.	0.3	5

#	ARTICLE	IF	CITATIONS
19	Electroluminescence of Photodegraded Poly(p-Phenylene-Vinylene) Derivatives by Ultraviolet Laser Light. <i>Molecular Crystals and Liquid Crystals</i> , 1997, 295, 23-26.	0.3	1
20	Observation of the Early Stages of B-Axis Oriented Prba2Cu3O7-x Thin Film Growth by AFM. <i>Materials Research Society Symposia Proceedings</i> , 1995, 388, 433.	0.1	0
21	Effects of Photobleaching Wavelength on The Resulting Refractive Index Profiles in Nonlinear Optical Polymeric Thin Films. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 247, 49-58.	0.3	5
22	Transfer Characteristics of Langmuir-Blodgett Films of Stereoregular Poly(Methyl Methacrylates). <i>Molecular Crystals and Liquid Crystals</i> , 1994, 247, 281-291.	0.3	4
23	Sulfonation as a new technique of fabricating polymeric gradient-index lenses. , 0, , .		1
24	Polymer light emitting devices based on the urethane substituted polythiophene. , 0, , .		0