Seong-Min Kim

List of Publications by Year
in descending order

20	794	623734 14	752698 20
papers	citations	h-index	g-index

23	23	23	1618
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of PEDOT:PSS crystallinity and composition on electrochemical transistor performance and long-term stability. Nature Communications, 2018, 9, 3858.	12.8	276
2	Organic electrochemical transistor-based channel dimension-independent single-strand wearable sweat sensors. NPG Asia Materials, 2018, 10, 1086-1095.	7.9	79
3	NeuO: a Fluorescent Chemical Probe for Live Neuron Labeling. Angewandte Chemie - International Edition, 2015, 54, 2442-2446.	13.8	73
4	High-performance, polymer-based direct cellular interfaces for electrical stimulation and recording. NPG Asia Materials, 2018, 10, 255-265.	7.9	65
5	Axon-First Neuritogenesis on Vertical Nanowires. Nano Letters, 2016, 16, 675-680.	9.1	37
6	Designing Polymeric Mixed Conductors and Their Application to Electrochemicalâ€Transistorâ€Based Biosensors. Macromolecular Bioscience, 2020, 20, e2000211.	4.1	35
7	Non-destructive electron microscopy imaging and analysis of biological samples with graphene coating. 2D Materials, 2016, 3, 045004.	4.4	32
8	Tissue-based metabolic labeling of polysialic acids in living primary hippocampal neurons. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E241-E248.	7.1	29
9	An Essential Role for TAGLN2 in Phagocytosis of Lipopolysaccharide-activated Macrophages. Scientific Reports, 2017, 7, 8731.	3.3	25
10	Multiscale Modulation of Nanocrystalline Cellulose Hydrogel via Nanocarbon Hybridization for 3D Neuronal Bilayer Formation. Small, 2017, 13, 1700331.	10.0	24
11	Investigation of neuronal pathfinding and construction of artificial neuronal networks on 3D-arranged porous fibrillar scaffolds with controlled geometry. Scientific Reports, 2017, 7, 7716.	3.3	17
12	Strong contact coupling of neuronal growth cones with height-controlled vertical silicon nanocolumns. Nano Research, 2018, 11, 2532-2543.	10.4	17
13	Human sweat monitoring using polymer-based fiber. Scientific Reports, 2019, 9, 17294.	3.3	17
14	Polyelectrolyte multilayer-assisted fabrication of non-periodic silicon nanocolumn substrates for cellular interface applications. Nanoscale, 2015, 7, 14627-14635.	5.6	15
15	Transparent Conducting Films Based on Reduced Graphene Oxide Multilayers for Biocompatible Neuronal Interfaces. Journal of Biomedical Nanotechnology, 2013, 9, 403-408.	1.1	14
16	NeuO: a Fluorescent Chemical Probe for Live Neuron Labeling. Angewandte Chemie, 2015, 127, 2472-2476.	2.0	12
17	Frenkel biexcitons in hybrid HJ photophysical aggregates. Science Advances, 2021, 7, eabi5197.	10.3	10
18	Vertical nanocolumn-assisted pluripotent stem cell colony formation with minimal cell-penetration. Nanoscale, 2016, 8, 18087-18097.	5.6	9

#	Article	IF	Citations
19	Large-Area Vertical Silicon Nanocolumn Arrays for Versatile Cell Interfaces. ACS Applied Nano Materials, 2021, 4, 2528-2537.	5.0	1
20	Vertical silicon nanostructures via metal-assisted chemical etching. Series in Materials Science and Engineering, 2017, , 169-192.	0.1	0