

# Seong-Min Kim

## List of Publications by Year in descending order

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20  
papers

794  
citations

623734

14  
h-index

752698

20  
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23  
all docs

23  
docs citations

23  
times ranked

1618  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-Area Vertical Silicon Nanocolumn Arrays for Versatile Cell Interfaces. ACS Applied Nano Materials, 2021, 4, 2528-2537.	5.0	1
2	Frenkel biexcitons in hybrid HJ photophysical aggregates. Science Advances, 2021, 7, eabi5197.	10.3	10
3	Designing Polymeric Mixed Conductors and Their Application to Electrochemical Transistor-Based Biosensors. Macromolecular Bioscience, 2020, 20, e2000211.	4.1	35
4	Human sweat monitoring using polymer-based fiber. Scientific Reports, 2019, 9, 17294.	3.3	17
5	High-performance, polymer-based direct cellular interfaces for electrical stimulation and recording. NPC Asia Materials, 2018, 10, 255-265.	7.9	65
6	Strong contact coupling of neuronal growth cones with height-controlled vertical silicon nanocolumns. Nano Research, 2018, 11, 2532-2543.	10.4	17
7	Organic electrochemical transistor-based channel dimension-independent single-strand wearable sweat sensors. NPC Asia Materials, 2018, 10, 1086-1095.	7.9	79
8	Influence of PEDOT:PSS crystallinity and composition on electrochemical transistor performance and long-term stability. Nature Communications, 2018, 9, 3858.	12.8	276
9	Multiscale Modulation of Nanocrystalline Cellulose Hydrogel via Nanocarbon Hybridization for 3D Neuronal Bilayer Formation. Small, 2017, 13, 1700331.	10.0	24
10	An Essential Role for TAGLN2 in Phagocytosis of Lipopolysaccharide-activated Macrophages. Scientific Reports, 2017, 7, 8731.	3.3	25
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	Vertical silicon nanostructures via metal-assisted chemical etching. Series in Materials Science and Engineering, 2017, , 169-192.	0.1	0
13	Non-destructive electron microscopy imaging and analysis of biological samples with graphene coating. 2D Materials, 2016, 3, 045004.	4.4	32
14	Vertical nanocolumn-assisted pluripotent stem cell colony formation with minimal cell-penetration. Nanoscale, 2016, 8, 18087-18097.	5.6	9
15	Axon-First Neuritogenesis on Vertical Nanowires. Nano Letters, 2016, 16, 675-680.	9.1	37
16	NeuO: a Fluorescent Chemical Probe for Live Neuron Labeling. Angewandte Chemie, 2015, 127, 2472-2476.	2.0	12
17	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
18	NeuO: a Fluorescent Chemical Probe for Live Neuron Labeling. Angewandte Chemie - International Edition, 2015, 54, 2442-2446.	13.8	73

#	ARTICLE	IF	CITATIONS
19	Polyelectrolyte multilayer-assisted fabrication of non-periodic silicon nanocolumn substrates for cellular interface applications. <i>Nanoscale</i> , 2015, 7, 14627-14635.	5.6	15
20	Transparent Conducting Films Based on Reduced Graphene Oxide Multilayers for Biocompatible Neuronal Interfaces. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 403-408.	1.1	14