

Sahil Kumar Rastogi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15
papers

267
citations

9
h-index

16
g-index

16
ext. papers

386
ext. citations

9.5
avg, IF

3.43
L-index

#	Paper	IF	Citations
15	Organ-on-a-chip: Three-dimensional self-rolled biosensor array for electrical interrogations of human electrogenic spheroids. <i>Science Advances</i> , 2019 , 5, eaax0729	14.3	60
14	Effect of Graphene on Nonneuronal and Neuronal Cell Viability and Stress. <i>Nano Letters</i> , 2017 , 17, 3297-3301	11.9	46
13	Nanowire-Mesh-Templated Growth of Out-of-Plane Three-Dimensional Fuzzy Graphene. <i>ACS Nano</i> , 2017 , 11, 6301-6311	16.7	31
12	Bioelectronics with nanocarbons. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 7159-7178	7.3	30
11	Graphene Microelectrode Arrays for Electrical and Optical Measurements of Human Stem Cell-Derived Cardiomyocytes. <i>Cellular and Molecular Bioengineering</i> , 2018 , 11, 407-418	3.9	23
10	Remote nongenetic optical modulation of neuronal activity using fuzzy graphene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 13339-13349	11.5	19
9	Three-dimensional fuzzy graphene ultra-microelectrodes for subcellular electrical recordings. <i>Nano Research</i> , 2020 , 13, 1444-1452	10	15
8	Synthesis of Group IV Nanowires on Graphene: The Case of Ge Nanocrawlers. <i>Nano Letters</i> , 2016 , 16, 5267-72	11.5	14
7	Intracellular action potential recordings from cardiomyocytes by ultrafast pulsed laser irradiation of fuzzy graphene microelectrodes. <i>Science Advances</i> , 2021 , 7,	14.3	11
6	Beta-Hemolytic Bacteria Selectively Trigger Liposome Lysis, Enabling Rapid and Accurate Pathogen Detection. <i>ACS Sensors</i> , 2017 , 2, 1441-1451	9.2	7
5	Bioelectrical interfaces with cortical spheroids in three-dimensions. <i>Journal of Neural Engineering</i> , 2021 , 18,	5	5
4	Characterization of the Coupling between Out-of-Plane Graphene and Electrogenic Cells. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000699	4.6	4
3	3D fuzzy graphene microelectrode array for dopamine sensing at sub-cellular spatial resolution. <i>Biosensors and Bioelectronics</i> , 2021 , 191, 113440	11.8	2
2	Nanoelectronics for Neuroscience 2019 , 631-649		0
1	Biomaterials: Characterization of the Coupling between Out-of-Plane Graphene and Electrogenic Cells (Adv. Mater. Interfaces 18/2020). <i>Advanced Materials Interfaces</i> , 2020 , 7, 2070101	4.6	