Sahil Kumar Rastogi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7786825/publications.pdf

Version: 2024-02-01

15	508	840119 11	1125271 13
papers	citations	h-index	g-index

16	16	16	818
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Organ-on-e-chip: Three-dimensional self-rolled biosensor array for electrical interrogations of human electrogenic spheroids. Science Advances, 2019, 5, eaax0729.	4.7	132
2	Effect of Graphene on Nonneuronal and Neuronal Cell Viability and Stress. Nano Letters, 2017, 17, 3297-3301.	4.5	65
3	Remote nongenetic optical modulation of neuronal activity using fuzzy graphene. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13339-13349.	3.3	52
4	Nanowire-Mesh-Templated Growth of Out-of-Plane Three-Dimensional Fuzzy Graphene. ACS Nano, 2017, 11, 6301-6311.	7.3	46
5	Bioelectronics with nanocarbons. Journal of Materials Chemistry B, 2018, 6, 7159-7178.	2.9	36
6	Graphene Microelectrode Arrays for Electrical and Optical Measurements of Human Stem Cell-Derived Cardiomyocytes. Cellular and Molecular Bioengineering, 2018, 11, 407-418.	1.0	35
7	Intracellular action potential recordings from cardiomyocytes by ultrafast pulsed laser irradiation of fuzzy graphene microelectrodes. Science Advances, 2021, 7, .	4.7	35
8	Three-dimensional fuzzy graphene ultra-microelectrodes for subcellular electrical recordings. Nano Research, 2020, 13, 1444-1452.	5.8	26
9	3D fuzzy graphene microelectrode array for dopamine sensing at sub-cellular spatial resolution. Biosensors and Bioelectronics, 2021, 191, 113440.	5.3	25
10	Bioelectrical interfaces with cortical spheroids in three-dimensions. Journal of Neural Engineering, 2021, 18, 055005.	1.8	19
11	Synthesis of Group IV Nanowires on Graphene: The Case of Ge Nanocrawlers. Nano Letters, 2016, 16, 5267-5272.	4.5	15
12	Beta-Hemolytic Bacteria Selectively Trigger Liposome Lysis, Enabling Rapid and Accurate Pathogen Detection. ACS Sensors, 2017, 2, 1441-1451.	4.0	12
13	Characterization of the Coupling between Outâ€ofâ€Plane Graphene and Electrogenic Cells. Advanced Materials Interfaces, 2020, 7, 2000699.	1.9	8
14	Nanoelectronics for Neuroscience. , 2019, , 631-649.		2
15	Biomaterials: Characterization of the Coupling between Outâ€ofâ€Plane Graphene and Electrogenic Cells (Adv. Mater. Interfaces 18/2020). Advanced Materials Interfaces, 2020, 7, 2070101.	1.9	0