

# Sahil Kumar Rastogi

## List of Publications by Year in Descending Order

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