

# Venkatesan Renugopalakrishnan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/448909/publications.pdf>

Version: 2024-02-01

15  
papers

372  
citations

1163117

8  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

606  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | PEDOT-Carbon Nanotube Counter Electrodes and Bipyridine Cobalt (II/III) Mediators as Universally Compatible Components in Bio-Sensitized Solar Cells Using Photosystem I and Bacteriorhodopsin. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3865. | 4.1  | 6         |
| 2  | Structural and Electronic Transport Properties of Fluorographene Directly Grown on Silicates for Possible Biosensor Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 5399-5409.  | 5.0  | 8         |
| 3  | Biofunctionalized nanodot zirconia-based efficient biosensing platform for noninvasive oral cancer detection. <i>MRS Communications</i> , 2020, 10, 652-659.   | 1.8  | 8         |
| 4  | Spectrochemical Probing of MicroRNA Duplex Using Spontaneous Raman Spectroscopy for Biosensing Applications. <i>Analytical Chemistry</i> , 2020, 92, 14423-14431.  | 6.5  | 1         |
| 5  | Structural determination of Enzyme-Graphene Nanocomposite Sensor Material. <i>Scientific Reports</i> , 2019, 9, 15519.   | 3.3  | 3         |
| 6  | Cell-based biosensors: Recent trends, challenges and future perspectives. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111435.  | 10.1 | 194       |
| 7  | Aquaporin-graphene interface: relevance to point-of-care device for renal cell carcinoma and desalination. <i>Interface Focus</i> , 2018, 8, 20170066.   | 3.0  | 31        |
| 8  | Electromagnetic Field in Hybrid Quantum Plasmonic-Photonic Systems. <i>Condensed Matter</i> , 2018, 3, 10.   | 1.8  | 5         |
| 9  | Multi-organ on a chip for personalized precision medicine. <i>MRS Communications</i> , 2018, 8, 652-667.   | 1.8  | 16        |
| 10 | Thickness-dependent humidity sensing by poly(vinyl alcohol) stabilized Au-Ag and Ag-Au core-shell bimetallic nanomorph resistors. <i>Royal Society Open Science</i> , 2018, 5, 171986.   | 2.4  | 14        |
| 11 | Fluorographene: Synthesis and sensing applications. <i>Journal of Materials Research</i> , 2017, 32, 2848-2859.  | 2.6  | 9         |
| 12 | Engineered 2D nanomaterials-protein interfaces for efficient sensors. <i>Journal of Materials Research</i> , 2015, 30, 3565-3574.  | 2.6  | 10        |
| 13 | Molecular effects of encapsulation of glucose oxidase dimer by graphene. <i>RSC Advances</i> , 2015, 5, 13570-13578.   | 3.6  | 19        |
| 14 | Nano-Encapsulation of Glucose Oxidase Dimer by Graphene. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1725, 1.   | 0.1  | 1         |
| 15 | Engineering a Robust Photovoltaic Device with Quantum Dots and Bacteriorhodopsin. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16710-16717.   | 3.1  | 47        |