

Venkatesan Renugopalakrishnan

List of Publications by Year in descending order

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15
papers

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1163117

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996975

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15
docs citations

15
times ranked

606
citing authors

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