Dinesh Veeran Ponnuvelu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7249966/publications.pdf

Version: 2024-02-01

13	327	1163117 8	1281871 11
papers	citations	h-index	g-index

13	13	13	576
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced Sensing Behavior of Three-Dimensional Microfluidic Paper-Based Analytical Devices (3D-Î¼PADs) with Evaporation-Free Enclosed Channels for Point-of-Care Testing. Diagnostics, 2021, 11, 977.	2.6	4
2	Enhanced Luminescent Detection of Circulating Tumor Cells by a 3D Printed Immunomagnetic Concentrator. Biosensors, 2021, 11, 278.	4.7	11
3	Development of low-cost hybrid multi-walled carbon nanotube-based ammonia gas-sensing strips with an integrated sensor read-out system for clinical breath analyzer applications. Journal of Breath Research, 2019, 13, 046005.	3.0	14
4	Highly monodispersed mesoporous, heterojunction ZnO@Au micro-spheres for trace-level detection of NO2 gas. Microporous and Mesoporous Materials, 2018, 255, 156-165.	4.4	35
5	Novel Electroâ€Spun Nanograined ZnO/Au Heterojunction Nanofibers and Their Ultrasensitive NO₂ Gas Sensing Properties. ChemistrySelect, 2018, 3, 7156-7163.	1.5	21
6	Highly sensitive, atmospheric pressure operatable sensor based on Au nanoclusters decorated TiO2@Au heterojunction nanorods for trace level NO2 gas detection. Journal of Materials Science: Materials in Electronics, 2017, 28, 9738-9748.	2.2	14
7	Polyethyleneglycol diacrylate hydrogels with plasmonic gold nanospheres incorporated via functional group optimization. Micro and Nano Systems Letters, 2017, 5, .	3.7	5
8	Ultrathin hexagonal MgO nanoflakes coated medical textiles and their enhanced antibacterial activity. Materials Research Express, 2016, 3, 105005.	1.6	16
9	Highly sensitive, graphene oxide supported zinc stannate (Zn2SnO4) nanocubes and their room temperature NO2 gas sensor properties. , 2015, , .		1
10	Enhanced cell-wall damage mediated, antibacterial activity of coreâ€“shell ZnO@Ag heterojunction nanorods against Staphylococcus aureus and Pseudomonas aeruginosa. Journal of Materials Science: Materials in Medicine, 2015, 26, 204.	3.6	22
11	Rapid synthesis and characterization of hybrid ZnO@Au coreâ€“shell nanorods for high performance, low temperature NO 2 gas sensor applications. Applied Surface Science, 2015, 355, 726-735.	6.1	55
12	Plasmon-mediated, highly enhanced photocatalytic degradation of industrial textile dyes using hybrid ZnO@Ag coreâ€“shell nanorods. RSC Advances, 2014, 4, 58930-58940.	3.6	127
13	Enhanced ammonia sensing properties using Au decorated ZnO nanorods. , 2013, , .		2