

Chaitali Singhal

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

762
citations

516215

16
h-index

610482

24
g-index

26
all docs

26
docs citations

26
times ranked

920
citing authors

#	ARTICLE	IF	CITATIONS
1	A genosensor for detection of consensus DNA sequence of Dengue virus using ZnO/Pt-Pd nanocomposites. <i>Biosensors and Bioelectronics</i> , 2017, 97, 75-82.	5.3	92
2	Detection of chikungunya virus DNA using two-dimensional MoS ₂ nanosheets based disposable biosensor. <i>Scientific Reports</i> , 2018, 8, 7734.	1.6	91
3	Point of care with micro fluidic paper based device integrated with nano zeolite-graphene oxide nanoflakes for electrochemical sensing of ketamine. <i>Biosensors and Bioelectronics</i> , 2017, 88, 249-257.	5.3	90
4	Paper based DNA biosensor for detection of chikungunya virus using gold shells coated magnetic nanocubes. <i>Process Biochemistry</i> , 2018, 74, 35-42.	1.8	55
5	Comparative analysis of single-walled and multi-walled carbon nanotubes for electrochemical sensing of glucose on gold printed circuit boards. <i>Materials Science and Engineering C</i> , 2018, 90, 273-279.	3.8	48
6	Paper based point of care immunosensor for the impedimetric detection of cardiac troponin I biomarker. <i>Biomedical Microdevices</i> , 2020, 22, 6.	1.4	46
7	Impedimetric genosensor for ultratrace detection of hepatitis B virus DNA in patient samples assisted by zeolites and MWCNT nano-composites. <i>Biosensors and Bioelectronics</i> , 2016, 86, 566-574.	5.3	41
8	Impedimetric genosensor for detection of hepatitis C virus (HCV1) DNA using viral probe on methylene blue doped silica nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 84-93.	3.6	34
9	Portable bioactive paper based genosensor incorporated with Zn-Ag nanoblooms for herpes detection at the point-of-care. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 2559-2565.	3.6	33
10	Electrochemical Multiplexed Paper Nanosensor for Specific Dengue Serotype Detection Predicting Pervasiveness of DHF/DSS. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5886-5894.	2.6	31
11	Detection of alprazolam with a lab on paper economical device integrated with urchin like Ag@ Pd shell nano-hybrids. <i>Materials Science and Engineering C</i> , 2017, 80, 728-735.	3.8	28
12	Lab on paper chip integrated with Si@GNRs for electroanalysis of diazepam. <i>Analytica Chimica Acta</i> , 2017, 980, 50-57.	2.6	25
13	Graphene nanoflakes on transparent glass electrode sensor for electrochemical sensing of anti-diabetic drug. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 537-548.	1.7	21
14	Hierarchical electrodeposition of methylene blue on ZnO nanocrystals thin films layered on SnO ₂ /F electrode for in vitro sensing of anti-thalassemic drug. <i>Materials Science and Engineering C</i> , 2016, 62, 596-604.	3.8	20
15	Hydrothermally synthesized zinc oxide nanorods incorporated on lab-on-paper device for electrochemical detection of recreational drug. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1-8.	1.9	18
16	Evaluation of Freshness of Fishes Using MWCNT/TiO ₂ Nanobiocomposites Based Biosensor. <i>Food Analytical Methods</i> , 2017, 10, 522-528.	1.3	17
17	An enzyme free Vitamin C augmented sensing with different ZnO morphologies on SnO ₂ /F transparent glass electrode: A comparative study. <i>Materials Science and Engineering C</i> , 2016, 69, 769-779.	3.8	16
18	Naked-eye quantitative assay on paper device for date rape drug sensing via smart phone APP. <i>Vacuum</i> , 2018, 153, 300-305.	1.6	16

#	ARTICLE	IF	CITATIONS
19	Recent Advances and a Roadmap to Aptamer-Based Sensors for Bloodstream Infections. ACS Applied Bio Materials, 2021, 4, 3962-3984.	2.3	15
20	Detection of prostate cancer DNA using tetrapods based disposable paper ecofriendly biosensor device. Medical Devices & Sensors, 2020, 3, e10122.	2.7	7
21	Impedimetric And Voltammetry Sensing Of Xanthine Using Nanocomposites. Advanced Materials Letters, 2016, 7, 555-560.	0.3	7
22	Point of Care with Micro Fluidic Paper Based Device Incorporated with Nanocrys of Zeolite â€“GO for Electrochemical Sensing of Date Rape Drug. Procedia Technology, 2017, 27, 91-93.	1.1	5
23	Green versus Chemical Synthesis of Gold and Silver Nanoparticles. Journal of Bionanoscience, 2016, 10, 341-347.	0.4	2
24	Prussian blue nanocubes/carbon nanospheres heterostructure composite for biosensing of metformin. International Journal of Nanomedicine, 2018, Volume 13, 117-120.	3.3	2
25	Replacement of magnesium chloride with magnesium nanoparticles in polymerase chain reaction. Protocol Exchange, 0, , .	0.3	2
26	Electrochemcial Sensing Of Anti-Diabetic Drug Using Hierarchically Deposited PB Nanocubes On Carbon Nanospheres Layered On Transparent Glass Electrode. Advanced Materials Letters, 2017, 8, 572-576.	0.3	0