

Chaitali Singhal

List of Publications by Year in descending order

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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	Recent Advances and a Roadmap to Aptamer-Based Sensors for Bloodstream Infections. ACS Applied Bio Materials, 2021, 4, 3962-3984.	2.3	15
2	Paper based point of care immunosensor for the impedimetric detection of cardiac troponin I biomarker. Biomedical Microdevices, 2020, 22, 6.	1.4	46
3	Electrochemical Multiplexed Paper Nanosensor for Specific Dengue Serotype Detection Predicting Pervasiveness of DHF/DSS. ACS Biomaterials Science and Engineering, 2020, 6, 5886-5894.	2.6	31
4	Detection of prostate cancer DNA using tetrapods based disposable paper ecofriendly biosensor device. Medical Devices & Sensors, 2020, 3, e10122.	2.7	7
5	Hydrothermally synthesized zinc oxide nanorods incorporated on lab-on-paper device for electrochemical detection of recreational drug. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1-8.	1.9	18
6	Naked-eye quantitative assay on paper device for date rape drug sensing via smart phone APP. Vacuum, 2018, 153, 300-305.	1.6	16
7	Comparative analysis of single-walled and multi-walled carbon nanotubes for electrochemical sensing of glucose on gold printed circuit boards. Materials Science and Engineering C, 2018, 90, 273-279.	3.8	48
8	Portable bioactive paper based genosensor incorporated with Zn-Ag nanoblooms for herpes detection at the point-of-care. International Journal of Biological Macromolecules, 2018, 107, 2559-2565.	3.6	33
9	Prussian blue nanocubes/carbon nanospheres heterostructure composite for biosensing of metformin. International Journal of Nanomedicine, 2018, Volume 13, 117-120.	3.3	2
10	Detection of chikungunya virus DNA using two-dimensional MoS2 nanosheets based disposable biosensor. Scientific Reports, 2018, 8, 7734.	1.6	91
11	Paper based DNA biosensor for detection of chikungunya virus using gold shells coated magnetic nanocubes. Process Biochemistry, 2018, 74, 35-42.	1.8	55
12	Impedimetric genosensor for detection of hepatitis C virus (HCV1) DNA using viral probe on methylene blue doped silica nanoparticles. International Journal of Biological Macromolecules, 2017, 98, 84-93.	3.6	34
13	Detection of alprazolam with a lab on paper economical device integrated with urchin like Ag@ Pd shell nano-hybrids. Materials Science and Engineering C, 2017, 80, 728-735.	3.8	28
14	Lab on paper chip integrated with Si@GNRs for electroanalysis of diazepam. Analytica Chimica Acta, 2017, 980, 50-57.	2.6	25
15	A genosensor for detection of consensus DNA sequence of Dengue virus using ZnO/Pt-Pd nanocomposites. Biosensors and Bioelectronics, 2017, 97, 75-82.	5.3	92
16	Graphene nanoflakes on transparent glass electrode sensor for electrochemical sensing of anti-diabetic drug. Bioprocess and Biosystems Engineering, 2017, 40, 537-548.	1.7	21
17	Point of Care with Micro Fluidic Paper Based Device Incorporated with Nanocrys of Zeolite @GO for Electrochemical Sensing of Date Rape Drug. Procedia Technology, 2017, 27, 91-93.	1.1	5
18	Point of care with micro fluidic paper based device integrated with nano zeolite@graphene oxide nanoflakes for electrochemical sensing of ketamine. Biosensors and Bioelectronics, 2017, 88, 249-257.	5.3	90

#	ARTICLE	IF	CITATIONS
19	Evaluation of Freshness of Fishes Using MWCNT/TiO ₂ Nanobiocomposites Based Biosensor. Food Analytical Methods, 2017, 10, 522-528.	1.3	17
20	Electrochemical 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
21	Impedimetric genosensor for ultratrace detection of hepatitis B virus DNA in patient samples assisted by zeolites and MWCNT nano-composites. Biosensors and Bioelectronics, 2016, 86, 566-574.	5.3	41
22	An enzyme free Vitamin C augmented sensing with different ZnO morphologies on SnO ₂ /F transparent glass electrode: A comparative study. Materials Science and Engineering C, 2016, 69, 769-779.	3.8	16
23	Green versus Chemical Synthesis of Gold and Silver Nanoparticles. Journal of Bionanoscience, 2016, 10, 341-347.	0.4	2
24	Hierarchical electrodeposition of methylene blue on ZnO nanocrystals thin films layered on SnO ₂ /F electrode for in vitro sensing of anti-thalassemic drug. Materials Science and Engineering C, 2016, 62, 596-604.	3.8	20
25	Impedimetric And Voltammetry Sensing Of Xanthine Using Nanocomposites. Advanced Materials Letters, 2016, 7, 555-560.	0.3	7
26	Replacement of magnesium chloride with magnesium nanoparticles in polymerase chain reaction. Protocol Exchange, 0, , .	0.3	2