

# Chaitali Singhal

## List of Publications by Year in descending order

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26  
papers

762  
citations

516710  
16  
h-index

610901  
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. Biosensors and Bioelectronics, 2017, 97, 75-82.	10.1	92
2	Detection of chikungunya virus DNA using two-dimensional MoS <sub>2</sub> nanosheets based disposable biosensor. Scientific Reports, 2018, 8, 7734.	3.3	91
3	Point of care with micro fluidic paper based device integrated with nano zeoliteâ€“graphene oxide nanoflakes for electrochemical sensing of ketamine. Biosensors and Bioelectronics, 2017, 88, 249-257.	10.1	90
4	Paper based DNA biosensor for detection of chikungunya virus using gold shells coated magnetic nanocubes. Process Biochemistry, 2018, 74, 35-42.	3.7	55
5	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.	7.3	48
6	Paper based point of care immunosensor for the impedimetric detection of cardiac troponin I biomarker. Biomedical Microdevices, 2020, 22, 6.	2.8	46
7	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.	10.1	41
8	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.	7.5	34
9	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.	7.5	33
10	Electrochemical Multiplexed Paper Nanosensor for Specific Dengue Serotype Detection Predicting Pervasiveness of DHF/DSS. ACS Biomaterials Science and Engineering, 2020, 6, 5886-5894.	5.2	31
11	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.	7.3	28
12	Lab on paper chip integrated with Si@GNRs for electroanalysis of diazepam. Analytica Chimica Acta, 2017, 980, 50-57.	5.4	25
13	Graphene nanoflakes on transparent glass electrode sensor for electrochemical sensing of anti-diabetic drug. Bioprocess and Biosystems Engineering, 2017, 40, 537-548.	3.4	21
14	Hierarchical electrodeposition of methylene blue on ZnO nanocrystals thin films layered on SnO <sub>2</sub> /F electrode for in vitro sensing of anti-thalassemic drug. Materials Science and Engineering C, 2016, 62, 596-604.	7.3	20
15	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.	2.8	18
16	Evaluation of Freshness of Fishes Using MWCNT/TiO <sub>2</sub> Nanobiocomposites Based Biosensor. Food Analytical Methods, 2017, 10, 522-528.	2.6	17
17	An enzyme free Vitamin C augmented sensing with different ZnO morphologies on SnO <sub>2</sub> /F transparent glass electrode: A comparative study. Materials Science and Engineering C, 2016, 69, 769-779.	7.3	16
18	Naked-eye quantitative assay on paper device for date rape drug sensing via smart phone APP. Vacuum, 2018, 153, 300-305.	3.5	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.	4.6	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.	0.6	7
22	Point of Care with Micro Fluidic Paper Based Device Incorporated with Nanocrystalline Zeolite @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.	6.7	2
25	Replacement of magnesium chloride with magnesium nanoparticles in polymerase chain reaction. Protocol Exchange, 0, , .	0.3	2
26	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.	0.6	0