

Chaitali Singhal

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2002257/chaitali-singhal-publications-by-citations.pdf>

Version: 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

536
citations

14
h-index

23
g-index

26
ext. papers

638
ext. citations

6
avg, IF

4.09
L-index

#	Paper	IF	Citations
24	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	11.8	70
23	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	11.8	66
22	Detection of chikungunya virus DNA using two-dimensional MoS nanosheets based disposable biosensor. <i>Scientific Reports</i> , 2018 , 8, 7734	4.9	61
21	Paper based DNA biosensor for detection of chikungunya virus using gold shells coated magnetic nanocubes. <i>Process Biochemistry</i> , 2018 , 74, 35-42	4.8	36
20	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	11.8	36
19	Paper based point of care immunosensor for the impedimetric detection of cardiac troponin I biomarker. <i>Biomedical Microdevices</i> , 2019 , 22, 6	3.7	29
18	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	7.9	27
17	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	8.3	27
16	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	7.9	26
15	Lab on paper chip integrated with Si@GNRs for electroanalysis of diazepam. <i>Analytica Chimica Acta</i> , 2017 , 980, 50-57	6.6	18
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	8.3	17
13	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	8.3	16
12	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, 769-79	8.3	16
11	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, 1586-1593	6.1	15
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	5.5	14
9	Graphene nanoflakes on transparent glass electrode sensor for electrochemical sensing of anti-diabetic drug. <i>Bioprocess and Biosystems Engineering</i> , 2017 , 40, 537-548	3.7	13
8	Naked-eye quantitative assay on paper device for date rape drug sensing via smart phone APP. <i>Vacuum</i> , 2018 , 153, 300-305	3.7	12

7	Evaluation of Freshness of Fishes Using MWCNT/TiO ₂ Nanobiocomposites Based Biosensor. <i>Food Analytical Methods</i> , 2017 , 10, 522-528	3.4	12
6	Impedimetric And Voltammetry Sensing Of Xanthine Using Nanocomposites. <i>Advanced Materials Letters</i> , 2016 , 7, 555-560	2.4	6
5	Detection of prostate cancer DNA using tetrapods based disposable paper ecofriendly biosensor device. <i>Medical Devices & Sensors</i> , 2020 , 3, e10122	1.6	5
4	Recent Advances and a Roadmap to Aptamer-Based Sensors for Bloodstream Infections.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 3962-3984	4.1	5
3	Point of Care with Micro Fluidic Paper Based Device Incorporated with Nanocrys of Zeolite TiO for Electrochemical Sensing of Date Rape Drug. <i>Procedia Technology</i> , 2017 , 27, 91-93		4
2	Green versus Chemical Synthesis of Gold and Silver Nanoparticles. <i>Journal of Bionanoscience</i> , 2016 , 10, 341-347		2
1	Prussian blue nanocubes/carbon nanospheres heterostructure composite for biosensing of metformin. <i>International Journal of Nanomedicine</i> , 2018 , 13, 117-120	7.3	2