

# Dhanjai

## List of Publications by Citations

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45  
papers

1,263  
citations

18  
h-index

35  
g-index

47  
ext. papers

1,649  
ext. citations

6.6  
avg, IF

5.03  
L-index

#	Paper	IF	Citations
45	MXene: An emerging material for sensing and biosensing. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 105, 424-435	14.6	268
44	2D transition metal carbide MXene as a robust biosensing platform for enzyme immobilization and ultrasensitive detection of phenol. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 107, 69-75	11.8	153
43	MoS <sub>2</sub> nanostructures for electrochemical sensing of multidisciplinary targets: A review. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 102, 75-90	14.6	78
42	Core@shell nanomaterials based sensing devices: A review. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 115, 147-161	14.6	60
41	Response Characteristics of Bisphenols on a Metal-Organic Framework-Based Tyrosinase Nanosensor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 16533-9	9.5	55
40	Voltammetric sensing of biomolecules at carbon based electrode interfaces: A review. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 98, 174-189	14.6	52
39	Voltammetric sensing based on the use of advanced carbonaceous nanomaterials: a review. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 89	5.8	47
38	Advances in sensing and biosensing of bisphenols: A review. <i>Analytica Chimica Acta</i> , <b>2018</b> , 998, 1-27	6.6	43
37	Polymer hydrogel interfaces in electrochemical sensing strategies: A review. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 118, 488-501	14.6	42
36	Electrochemical (bio) sensors go green. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 163, 112270	11.8	40
35	Nano graphene based sensor for antiarrhythmic agent quinidine in solubilized system. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 105, 278-83	6	33
34	Synthesis of novel azo group substituted polymeric phthalocyanine for amperometric sensing of nitrite. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 282, 417-425	8.5	33
33	An electrochemical sensor for ifosfamide, acetaminophen, domperidone, and sumatriptan based on self-assembled MXene/MWCNT/chitosan nanocomposite thin film. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 402	5.8	32
32	Graphdiyne: A new promising member of 2D all-carbon nanomaterial as robust electrochemical enzyme biosensor platform. <i>Carbon</i> , <b>2020</b> , 156, 568-575	10.4	30
31	Robust Single-Molecule Enzyme Nanocapsules for Biosensing with Significantly Improved Biosensor Stability. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 5830-5837	7.8	28
30	CoO nanoparticles supported mesoporous carbon framework interface for glucose biosensing. <i>Talanta</i> , <b>2019</b> , 203, 112-121	6.2	25
29	Tyrosinase nanocapsule based nano-biosensor for ultrasensitive and rapid detection of bisphenol A with excellent stability in different application scenarios. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 165, 112407	11.8	20

28	Bismuth (III) oxide/glassy carbon sensor for sensing of antidepressant drug escitalopram in micellar media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 436, 178-184	5.1	19
27	Phenyltrichlorosilane-functionalized magnesium oxide microspheres: Preparation, characterization and application for the selective extraction of dioxin-like polycyclic aromatic hydrocarbons in soils with matrix solid-phase dispersion. <i>Analytica Chimica Acta</i> , <b>2017</b> , 956, 14-23	6.6	18
26	TiO <sub>2</sub> -Multi Walled Carbon Nanotubes Hybrid Film Sensor for Sensing of Antiprotozoal Agent Satranidazole in Solubilized System. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, H474-H480	3.9	17
25	High performance solid-phase extraction cleanup method coupled with gas chromatography-triple quadrupole mass spectrometry for analysis of polychlorinated naphthalenes and dioxin-like polychlorinated biphenyls in complex samples. <i>Journal of Chromatography A</i> , <b>2016</b> , 1448, 1-8	4.5	16
24	Graphene-zinc oxide nanorods nanocomposite based sensor for voltammetric quantification of tizanidine in solubilized system. <i>Applied Surface Science</i> , <b>2016</b> , 369, 151-158	6.7	15
23	A flexible-imprinted capacitive sensor for rapid detection of adrenaline. <i>Talanta</i> , <b>2019</b> , 204, 602-606	6.2	14
22	Controllable growth of ZIF-8 layers with nanometer-level precision on SiO <sub>2</sub> nano-powders via liquid phase epitaxy stepwise growth approach. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 268, 268-275	5.3	14
21	Preparation of a reversed-phase/anion-exchange mixed-mode spherical sorbent by Pickering emulsion polymerization for highly selective solid-phase extraction of acidic pharmaceuticals from wastewater. <i>Journal of Chromatography A</i> , <b>2017</b> , 1521, 1-9	4.5	13
20	A Biomimetic Lactate Imprinted Smart Polymers as Capacitive Sweat Sensors. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 5741-5749	4	12
19	Ammonium hydroxide enhancing electro spray response and boosting sensitivity of bisphenol A and its analogs. <i>Talanta</i> , <b>2018</b> , 182, 590-594	6.2	11
18	An Electrochemical Sensor Based on Synergistic Effect of Nano Zinc Oxide-Multiwalled Carbon Nanotubes Hybrid Film for Sensing of Calcium Antagonist Cilnidipine. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, H645-H652	3.9	11
17	Electrocatalytic determination of $\beta$ -adrenergic agonist tizanidine at graphene/silicon dioxide nanocomposite sensor. <i>Materials Research Bulletin</i> , <b>2015</b> , 65, 307-314	5.1	10
16	Amperometric Response Characteristics of Rabeprazole at N-Doped CNTs-Chitosan Nanosensor in Solubilized System. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, H639-H646	3.9	10
15	A Highly Sensitive and Selective Bismuth Oxide-Multiwalled Carbon Nanotubes Hybrid Film Sensor for Sensing of Acenocoumarole. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, H29-H35	3.9	7
14	Electrochemical Oxidation of Tannic Acid at ZIF-8 Induced Nitrogen Doped Porous Carbon Nanoframework Modified Electrode. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, H1004-H1011	3.9	7
13	Modified stainless steel microneedle electrode for polyphenolics detection. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 7063-7072	4.4	6
12	Electrochemical Immunosensors for Rapid Detection of Breast Cancer Biomarkers <b>2019</b> , 147-169		4
11	A pathogen imprinted hybrid polymer capacitive sensor for selective Escherichia coli detection. <i>Medical Devices &amp; Sensors</i> , <b>2020</b> , 3, e10071	1.6	3

10	MXene-based sensors and biosensors: next-generation detection platforms <b>2020</b> , 361-372		3
9	Fabrication and optimization of polypyrrole/cerium oxide/glassy carbon sensing platform for the electrochemical detection of flupirtine. <i>Journal of Applied Electrochemistry</i> , <b>2020</b> , 50, 655-672	2.6	3
8	Disposable Capacitive Biosensor for Dopamine Sensing. <i>ChemistrySelect</i> , <b>2020</b> , 5, 12470-12476	1.8	2
7	Copper-Zinc-Iron Nano-Composite Sensor for Voltammetric Determination of Hemorrhagic Agent Pentoxifylline. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, H611-H616	3.9	2
6	Functionalized Graphene-Metal Nanoparticles Nanohybrids as Electrochemical Sensors. <i>Carbon Nanostructures</i> , <b>2019</b> , 49-62	0.6	2
5	An overview of synthetic polymer-based advanced monitoring tools and sensors: Benefits and applications in environmental toxicology for pesticide and metal contaminant detection <b>2019</b> , 333-370		1
4	Molecular imprinted polymer-based biosensors for the detection of pharmaceutical contaminants in the environment <b>2019</b> , 371-389		1
3	Graphene-Fabricated Electrodes for Improving the Performance of Microbial Bioelectrochemical Systems <b>2018</b> , 241-266		1
2	Magnetic magnesium oxide composites for rapid removal of polycyclic aromatic hydrocarbons and cadmium ions from water. <i>Environmental Chemistry</i> , <b>2020</b> , 17, 479	3.2	1
1	Dummy molecularly imprinted polymers for class-selective extraction of amphetamine-type stimulants from alcoholic and nonalcoholic beverages.. <i>Journal of Chromatography A</i> , <b>2021</b> , 1663, 462759	4.5	0