

Dhanjai

List of Publications by Year in descending order

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46
papers

2,107
citations

331670

21
h-index

276875

41
g-index

47
all docs

47
docs citations

47
times ranked

2674
citing authors

#	ARTICLE	IF	CITATIONS
1	MXene: An emerging material for sensing and biosensing. TrAC - Trends in Analytical Chemistry, 2018, 105, 424-435.	11.4	465
2	2D transition metal carbide MXene as a robust biosensing platform for enzyme immobilization and ultrasensitive detection of phenol. Biosensors and Bioelectronics, 2018, 107, 69-75.	10.1	251
3	MoS2 nanostructures for electrochemical sensing of multidisciplinary targets: A review. TrAC - Trends in Analytical Chemistry, 2018, 102, 75-90.	11.4	138
4	Core@shell nanomaterials based sensing devices: A review. TrAC - Trends in Analytical Chemistry, 2019, 115, 147-161.	11.4	113
5	Electrochemical (bio) sensors go green. Biosensors and Bioelectronics, 2020, 163, 112270.	10.1	85
6	An electrochemical sensor for ifosfamide, acetaminophen, domperidone, and sumatriptan based on self-assembled MXene/MWCNT/chitosan nanocomposite thin film. Mikrochimica Acta, 2020, 187, 402.	5.0	84
7	Polymer hydrogel interfaces in electrochemical sensing strategies: A review. TrAC - Trends in Analytical Chemistry, 2019, 118, 488-501.	11.4	77
8	Response Characteristics of Bisphenols on a Metal-Organic Framework-Based Tyrosinase Nanosensor. ACS Applied Materials & Interfaces, 2016, 8, 16533-16539.	8.0	72
9	Voltammetric sensing based on the use of advanced carbonaceous nanomaterials: a review. Mikrochimica Acta, 2018, 185, 89.	5.0	67
10	Voltammetric sensing of biomolecules at carbon based electrode interfaces: A review. TrAC - Trends in Analytical Chemistry, 2018, 98, 174-189.	11.4	67
11	Advances in sensing and biosensing of bisphenols: A review. Analytica Chimica Acta, 2018, 998, 1-27.	5.4	66
12	Graphdiyne: A new promising member of 2D all-carbon nanomaterial as robust electrochemical enzyme biosensor platform. Carbon, 2020, 156, 568-575.	10.3	64
13	Synthesis of novel azo group substituted polymeric phthalocyanine for amperometric sensing of nitrite. Sensors and Actuators B: Chemical, 2019, 282, 417-425.	7.8	51
14	Robust Single-Molecule Enzyme Nanocapsules for Biosensing with Significantly Improved Biosensor Stability. Analytical Chemistry, 2020, 92, 5830-5837.	6.5	41
15	Co3O4 nanoparticles supported mesoporous carbon framework interface for glucose biosensing. Talanta, 2019, 203, 112-121.	5.5	37
16	Nano graphene based sensor for antiarrhythmic agent quinidine in solubilized system. Colloids and Surfaces B: Biointerfaces, 2013, 105, 278-283.	5.0	36
17	Tyrosinase nanocapsule based nano-biosensor for ultrasensitive and rapid detection of bisphenol A with excellent stability in different application scenarios. Biosensors and Bioelectronics, 2020, 165, 112407.	10.1	35
18	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. Journal of Chromatography A, 2016, 1448, 1-8.	3.7	28

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19	A flexible-imprinted capacitive sensor for rapid detection of adrenaline. <i>Talanta</i> , 2019, 204, 602-606.	5.5	27
20	A Biomimetic Lactate Imprinted Smart Polymers as Capacitive Sweat Sensors. <i>IEEE Sensors Journal</i> , 2020, 20, 5741-5749.	4.7	25
21	Graphene-zinc oxide nanorods nanocomposite based sensor for voltammetric quantification of tizanidine in solubilized system. <i>Applied Surface Science</i> , 2016, 369, 151-158.	6.1	22
22	Controllable growth of ZIF-8 layers with nanometer-level precision on SiO ₂ nano-powders via liquid phase epitaxy stepwise growth approach. <i>Microporous and Mesoporous Materials</i> , 2018, 268, 268-275.	4.4	21
23	Modified stainless steel microneedle electrode for polyphenolics detection. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7063-7072.	3.7	20
24	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> , 2013, 436, 178-184.	4.7	19
25	TiO ₂ -Multi Walled Carbon Nanotubes Hybrid Film Sensor for Sensing of Antiprotozoal Agent Satranidazole in Solubilized System. <i>Journal of the Electrochemical Society</i> , 2013, 160, H474-H480.	2.9	19
26	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> , 2017, 956, 14-23.	5.4	19
27	Ammonium hydroxide enhancing electrospray response and boosting sensitivity of bisphenol A and its analogs. <i>Talanta</i> , 2018, 182, 590-594.	5.5	18
28	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> , 2017, 1521, 1-9.	3.7	15
29	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> , 2013, 160, H645-H652.	2.9	13
30	Amperometric Response Characteristics of Rabeprazole at N-Doped CNTs-Chitosan Nanosensor in Solubilized System. <i>Journal of the Electrochemical Society</i> , 2017, 164, H639-H646.	2.9	13
31	Electrocatalytic determination of \pm 2-adrenergic agonist tizanidine at graphene-silicon dioxide nanocomposite sensor. <i>Materials Research Bulletin</i> , 2015, 65, 307-314.	5.2	11
32	MXene-based sensors and biosensors: next-generation detection platforms. , 2020, , 361-372.		11
33	A Highly Sensitive and Selective Bismuth Oxide-Multiwalled Carbon Nanotubes Hybrid Film Sensor for Sensing of Acenocoumarole. <i>Journal of the Electrochemical Society</i> , 2014, 161, H29-H35.	2.9	9
34	Electrochemical Oxidation of Tannic Acid at ZIF-8 Induced Nitrogen Doped Porous Carbon Nanoframework Modified Electrode. <i>Journal of the Electrochemical Society</i> , 2018, 165, H1004-H1011.	2.9	9
35	Dummy molecularly imprinted polymers for class-selective extraction of amphetamine-type stimulants from alcoholic and nonalcoholic beverages. <i>Journal of Chromatography A</i> , 2022, 1663, 462759.	3.7	9
36	A pathogen imprinted hybrid polymer capacitive sensor for selective Escherichia coli detection. <i>Medical Devices & Sensors</i> , 2020, 3, e10071.	2.7	8

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37	Determination of Chemical Oxygen Demand: An Analytical Approach. , 2018, , .		7
38	Disposable Capacitive Biosensor for Dopamine Sensing. ChemistrySelect, 2020, 5, 12470-12476.	1.5	7
39	Fabrication and optimization of polypyrrole/cerium oxide/glassy carbon sensing platform for the electrochemical detection of flupirtine. Journal of Applied Electrochemistry, 2020, 50, 655-672.	2.9	7
40	Electrochemical Immunosensors for Rapid Detection of Breast Cancer Biomarkers. , 2019, , 147-169.		4
41	Molecular imprinted polymer-based biosensors for the detection of pharmaceutical contaminants in the environment. , 2019, , 371-389.		4
42	Copper-Zinc-Iron Nano-Composite Sensor for Voltammetric Determination of Hemorrhheologic Agent Pentoxifylline. Journal of the Electrochemical Society, 2015, 162, H611-H616.	2.9	3
43	Magnetic magnesium oxide composites for rapid removal of polycyclic aromatic hydrocarbons and cadmium ions from water. Environmental Chemistry, 2020, 17, 479.	1.5	3
44	Functionalized Graphene-Metal Nanoparticles Nanohybrids as Electrochemical Sensors. Carbon Nanostructures, 2019, , 49-62.	0.1	2
45	Graphene-Fabricated Electrodes for Improving the Performance of Microbial Bioelectrochemical Systems. , 2018, , 241-266.		1
46	An overview of synthetic polymer-based advanced monitoring tools and sensors: Benefits and applications in environmental toxicology for pesticide and metal contaminant detection. , 2019, , 333-370.		1