

G Madhavi

List of Publications by Year in descending order

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36
papers

1,277
citations

361413

20
h-index

361022

35
g-index

36
all docs

36
docs citations

36
times ranked

1358
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of phyto-genic zerovalent iron nanoparticles in the adsorption of hexavalent chromium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 116, 17-25.	3.9	159
2	Green chemical approach towards the synthesis of SnO ₂ NPs in argment with photocatalytic degradation of diazo dye and its kinetic studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 441-447.	3.8	105
3	Strategies, advances, and challenges associated with the use of graphene-based nanocomposites for electrochemical biosensors. <i>Advances in Colloid and Interface Science</i> , 2022, 304, 102664.	14.7	102
4	Electrochemical sensor for detection of uric acid in the presence of ascorbic acid and dopamine using the poly(DPA)/SiO ₂ @Fe ₃ O ₄ modified carbon paste electrode. <i>Journal of Electroanalytical Chemistry</i> , 2018, 820, 168-175.	3.8	89
5	An ultra-sensitive electrochemical sensor for the detection of acetaminophen in the presence of etilefrine using bimetallic Pd@Ag/reduced graphene oxide nanocomposites. <i>New Journal of Chemistry</i> , 2018, 42, 3137-3146.	2.8	74
6	Highly Sensitive Electrochemical Sensor for Anticancer Drug by a Zirconia Nanoparticle-Decorated Reduced Graphene Oxide Nanocomposite. <i>ACS Omega</i> , 2018, 3, 14597-14605.	3.5	68
7	Ultrafine Pt@Ni bimetallic nanoparticles anchored on reduced graphene oxide nanocomposites for boosting electrochemical detection of dopamine in biological samples. <i>New Journal of Chemistry</i> , 2018, 42, 16891-16901.	2.8	60
8	Recent progress on Fe-based nanoparticles: Synthesis, properties, characterization and environmental applications. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3537-3553.	6.7	59
9	Fine-tuning of MXene-nickel oxide-reduced graphene oxide nanocomposite bioelectrode: Sensor for the detection of influenza virus and viral protein. <i>Biosensors and Bioelectronics</i> , 2022, 214, 114511.	10.1	55
10	Determination of dopamine in presence of ascorbic acid and uric acid using poly (Spands Reagent) modified carbon paste electrode. <i>Materials Science and Engineering C</i> , 2015, 57, 378-386.	7.3	53
11	Immobilization of platinum-cobalt and platinum-nickel bimetallic nanoparticles on pomegranate peel extract-treated reduced graphene oxide as electrocatalysts for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 7680-7690.	7.1	36
12	A Pt-free graphenaceous composite as an electro-catalyst for efficient oxygen reduction reaction. <i>Nanoscale</i> , 2019, 11, 13300-13308.	5.6	31
13	A simple, highly sensitive and stable electrochemical sensor for the detection of quercetin in solution, onion and honey buckwheat using zinc oxide supported on carbon nanosheet (ZnO/CNS/MCPE) modified carbon paste electrode. <i>Electrochimica Acta</i> , 2019, 313, 523-531.	5.2	31
14	An ultra-sensitive rifampicin electrochemical sensor based on titanium nanoparticles (TiO ₂) anchored reduced graphene oxide modified glassy carbon electrode. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 608, 125533.	4.7	31
15	Simple synthesis of biogenic Pd Ag bimetallic nanostructures for an ultra-sensitive electrochemical sensor for sensitive determination of uric acid. <i>Journal of Electroanalytical Chemistry</i> , 2018, 822, 163-170.	3.8	30
16	Highly sensitive detection of anti-cancer drug based on bimetallic reduced graphene oxide nanocomposite. <i>Chemosphere</i> , 2022, 287, 132281.	8.2	28
17	A selective and sensitive UPLC@MS/MS approach for trace level quantification of four potential genotoxic impurities in zolmitriptan drug substance. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 84, 84-89.	2.8	26
18	Facile one pot synthesis of bimetallic Pd-Ag/reduced graphene oxide nanocomposite as an electrochemical sensor for sensitive detection of anti-hypotensive drug. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 546, 293-300.	4.7	26

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19	Mobilized lipase enzymatic biosensor for the determination of Chlorfenvinphos and Malathion in contaminated water samples: A voltammetric study. <i>Journal of Molecular Liquids</i> , 2014, 198, 181-186.	4.9	25
20	Electrochemical investigations of lipase enzyme activity inhibition by methyl parathion pesticide: Voltammetric studies. <i>Journal of Molecular Liquids</i> , 2013, 180, 26-30.	4.9	24
21	Development and validation of a systematic UPLC-MS/MS method for simultaneous determination of three phenol impurities in ritonavir. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 90, 127-133.	2.8	20
22	Simultaneous determination of asenapine and valproic acid in human plasma using LC-MS/MS: Application of the method to support pharmacokinetic study. <i>Journal of Pharmaceutical Analysis</i> , 2013, 3, 394-401.	5.3	19
23	Remediation of Chlorpyrifos-Contaminated Soils by Laboratory-Synthesized Zero-Valent Nano Iron Particles: Effect of pH and Aluminium Salts. <i>Journal of Chemistry</i> , 2013, 2013, 1-7.	1.9	19
24	Catunaregum spinosa capped Ag NPs and its photocatalytic application against amaranth toxic azo dye. <i>Journal of Molecular Liquids</i> , 2017, 225, 531-535.	4.9	19
25	Method development and validation study for quantitative determination of 2-chloromethyl-3,4-dimethoxy pyridine hydrochloride a genotoxic impurity in pantoprazole active pharmaceutical ingredient (API) by LC/MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 70, 592-597.	2.8	17
26	Trace-level determination of amlodipine besylate by immobilization of palladium-silver bi-metallic nanoparticles on reduced graphene oxide as an electrochemical sensor. <i>Journal of Electroanalytical Chemistry</i> , 2019, 847, 113259.	3.8	16
27	Liquid chromatography-tandem mass spectrometry method for simultaneous quantification of urapidil and aripiprazole in human plasma and its application to human pharmacokinetic study. <i>Biomedical Chromatography</i> , 2013, 27, 916-923.	1.7	13
28	Environmental Friendly Synthesis of Palladium Nanoparticles and its Photocatalytic Activity Against Diazo Dye to Sustain the Natural Source. <i>Journal of Cluster Science</i> , 2017, 28, 1225-1236.	3.3	9
29	Heavy Metals Removal Using Carbon Based Nanocomposites. <i>Green Energy and Technology</i> , 2021, , 249-274.	0.6	9
30	A simple, sensitive, and straightforward LC-MS approach for rapid analysis of three potential genotoxic impurities in rabeprazole formulations. <i>Journal of Separation Science</i> , 2018, 41, 3966-3973.	2.5	6
31	Facile Preparation of Ionic Liquid-coated Copper Nanowire-modified Carbon Paste Electrode for Electrochemical Detection of Etilefrine Drug. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 560-565.	1.9	5
32	Trace level quantification of 1-(3-chloropropyl)-4-(3-chlorophenyl)piperazine HCl genotoxic impurity in trazodone using LC-MS/MS. <i>Arabian Journal of Chemistry</i> , 2019, 12, 1615-1622.	4.9	5
33	Nanoencapsulation of pesticides: Sustainable perspective in agriculture. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	4
34	Systematic Approach for Trace Level Quantification of 2-N-butyl-4-spirocyclopentane-2-imidazole-5-one Genotoxic Impurity in Irbesartan Using LC-MS/MS. <i>Indian Journal of Pharmaceutical Sciences</i> , 2013, 75, 501-6.	1.0	2
35	Zirconia/Poly(oxalic acid) Modified Carbon Paste Electrode for Electrochemical Investigation of Uric Acid in Presence of Dopamine and Ascorbic Acid. <i>Asian Journal of Chemistry</i> , 2016, 28, 1828-1834.	0.3	1
36	Effect of Sulfamerazine on Structural Characteristics of Sodium Alginate Biopolymeric Films. <i>Biotechnology and Bioprocess Engineering</i> , 2022, 27, 596-606.	2.6	1