Manju Bhargavi Gumpu

List of Publications by Year
in descending order

21 papers	1,351 citations	759233 12 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	2080 citing authors

#	Article	IF	Citations
1	Amperometric Detection of Mercury Ions Using Piperazineâ€Functionalized Reduced Graphene Oxide as an Efficient Sensing Platform. ChemistrySelect, 2022, 7, .	1.5	5
2	Titanium dioxide doped hydroxyapatite incorporated photocatalytic membranes for the degradation of chloramphenicol antibiotic in water. Journal of Chemical Technology and Biotechnology, 2021, 96, 1057-1066.	3.2	29
3	Synthesis, characterization and bioimaging application of laser-ablated graphene-oxide nanoparticles (nGOs). Diamond and Related Materials, 2020, 104, 107733.	3.9	59
4	Electroactive Manganese Oxideâ€“Reduced Graphene Oxide Interfaced Electrochemical Detection of Urea. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	6
5	Fluorescent carbon nanoparticles from laser-ablated Bougainvillea alba flower extract for bioimaging applications. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	9
6	Laser-induced transformation of graphene into graphene oxide nanospheres (GONs). Materials Research Bulletin, 2019, 115, 227-234.	5.2	15
7	Chemically synthesized butein and butin: Optical, structure and electrochemical redox functionality at electrode interface. Journal of Photochemistry and Photobiology B: Biology, 2018, 182, 122-129.	3.8	12
8	Wavelet based spectral approach for solving surface coverage model in an electrochemical arsenic sensor - An operational matrix approach. Electrochimica Acta, 2018, 266, 27-33.	5.2	5
9	Fabrication of an electrochemical biosensor with ZnO nanoflakes interface for methylglyoxal quantification in food samples. Food Science and Biotechnology, 2018, 27, 9-17.	2.6	8
10	Amperometric determination of As(III) and Cd(II) using a platinum electrode modified with acetylcholinesterase, ruthenium(II)-tris(bipyridine) and graphene oxide. Mikrochimica Acta, 2018, 185, 297.	5.0	24
11	Electrochemical sensing platform for the determination of arsenite and arsenate using electroactive nanocomposite electrode. Chemical Engineering Journal, 2018, 351, 319-327.	12.7	37
12	Fabrication of electrochemical biosensor with vanadium pentoxide nano-interface for the detection of methylglyoxal in rice. Analytical Biochemistry, 2017, 528, 19-25.	2.4	11
13	Design and development of amperometric biosensor for the detection of lead and mercury ions in water matrixâ€"a permeability approach. Analytical and Bioanalytical Chemistry, 2017, 409, 4257-4266.	3.7	26
14	Simultaneous electrochemical detection of Cd(II), Pb(II), As(III) and Hg(II) ions using ruthenium(II)-textured graphene oxide nanocomposite. Talanta, 2017, 162, 574-582.	5.5	107
15	Design and development of electrochemical biosensor for the simultaneous detection of melamine and urea in adulterated milk samples. Sensors and Actuators B: Chemical, 2017, 238, 1283-1292.	7.8	69
16	Electrocatalytic nanocauliflower structured fluorine doped CdO thin film as a potential arsenic sensor. Sensors and Actuators B: Chemical, 2016, 234, 426-434.	7.8	30
17	Calcium carbide in mangoes: an electrochemical way for detection. Analytical Methods, 2016, 8, 4590-4599.	2.7	11
18	A review on detection of heavy metal ions in water â€" An electrochemical approach. Sensors and Actuators B: Chemical, 2015, 213, 515-533.	7.8	785

#	Article	IF	Citations
19	Chemometric Analysis for the Determination of Methylglyoxal in Grilled Chicken Using ZnO Flakes Based Glyoxalase 1 Biosensor. Sensor Letters, 2015, 13, 245-253.	0.4	9
20	Optimization of Electrochemical Parameters for Specific Blood Methylglyoxal Determination Using ZnO Sepals Based Glyoxalase 1 Biosensor. Sensor Letters, 2015, 13, 328-337.	0.4	7
21	Development of electrochemical biosensor with ceriaâ€"PANI coreâ€"shell nano-interface for the detection of histamine. Sensors and Actuators B: Chemical, 2014, 199, 330-338.	7.8	84