Neethu Sebastian

List of Publications by Year
in descending order

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19 papers	469 citations	686830 13 h-index	794141 19 g-index
19 all docs	19 docs citations	19 times ranked	444 citing authors

#	Article	IF	Citations
1	Electrochemical detection of an antibiotic drug chloramphenicol based on a graphene oxide/hierarchical zinc oxide nanocomposite. Inorganic Chemistry Frontiers, 2019, 6, 82-93.	3.0	90
2	Ultrasound-assisted synthesis of 3D flower-like zinc oxide decorated fMWCNTs for sensitive detection of toxic environmental pollutant 4-nitrophenol. Ultrasonics Sonochemistry, 2020, 60, 104798.	3.8	41
3	Sonochemical synthesis of iron-graphene oxide/honeycomb-like ZnO ternary nanohybrids for sensitive electrochemical detection of antipsychotic drug chlorpromazine. Ultrasonics Sonochemistry, 2019, 59, 104696.	3.8	37
4	Synthesis of a functionalized multi-walled carbon nanotube decorated ruskin michelle-like ZnO nanocomposite and its application in the development of a highly sensitive hydroquinone sensor. Inorganic Chemistry Frontiers, 2018, 5, 1950-1961.	3.0	33
5	Synthesis of amine-functionalized multi-walled carbon nanotube/3D rose flower-like zinc oxide nanocomposite for sensitive electrochemical detection of flavonoid morin. Analytica Chimica Acta, 2020, 1095, 71-81.	2.6	31
6	Ultrasensitive detection of cytotoxic food preservative tert-butylhydroquinone using 3D cupric oxide nanoflowers embedded functionalized carbon nanotubes. Journal of Hazardous Materials, 2021, 406, 124792.	6.5	28
7	Ecofriendly synthesized reduced graphene oxide embellished marsh marigold-like zinc oxide nanocomposite based on ultrasonication technique for the sensitive detection of environmental pollutant hydroquinone. Ultrasonics Sonochemistry, 2019, 58, 104650.	3.8	25
8	Air quality warning system based on a localized PM2.5 soft sensor using a novel approach of Bayesian regularized neural network via forward feature selection. Ecotoxicology and Environmental Safety, 2019, 182, 109386.	2.9	23
9	Functionalization of CNFs surface with Î²-cyclodextrin and decoration of hematite nanoparticles for detection and degradation of toxic fungicide carbendazim. Applied Surface Science, 2022, 586, 152666.	3.1	23
10	Ultrasensitive detection of food colorant sunset yellow using nickel nanoparticles promoted lettuce-like spinel Co3O4 anchored GO nanosheets. Food and Chemical Toxicology, 2022, 159, 112725.	1.8	22
11	Bi-functional renewable biopolymer wrapped CNFs/Ag doped spinel cobalt oxide as a sensitive platform for highly toxic nitroaromatic compound detection and degradation. Chemosphere, 2022, 291, 132998.	4.2	20
12	A sensitive and economical electrochemical platform for detection of food additive tert-butylhydroquinone based on porous Co3O4 nanorods embellished chemically oxidized carbon black. Food Control, 2022, 136, 108844.	2.8	19
13	Nanomolar detection of food additive tert-butylhydroquinone in edible oils based on novel ternary metal oxide embedded Î²-cyclodextrin functionalized carbon black. Food Chemistry, 2022, 377, 131867.	4.2	18
14	Morphological evolution of nanosheets-stacked spherical ZnO for preparation of GO-Zn/ZnO ternary nanocomposite: A novel electrochemical platform for nanomolar detection of antihistamine promethazine hydrochloride. Journal of Alloys and Compounds, 2022, 890, 161768.	2.8	15
15	Surface functionalization of CNTs with amine group and decoration of begonia-like ZnO for detection of antipyretic drug acetaminophen. Applied Surface Science, 2021, 559, 149981.	3.1	13
16	Comfort evaluation of ZnO coated fabrics by artificial neural network assisted with golden eagle optimizer model. Scientific Reports, 2022, 12, 6350.	1.6	12
17	Use of an Artificial Neural Network for Tensile Strength Prediction of Nano Titanium Dioxide Coated Cotton. Polymers, 2022, 14, 937.	2.0	7
18	A novel soft sensor based warning system for hazardous ground-level ozone using advanced damped least squares neural network. Ecotoxicology and Environmental Safety, 2020, 205, 111168.	2.9	6

#	Article	IF	Citations
19	Ultrasensitive Electrochemical Detection and Plasmon-Enhanced Photocatalytic Degradation of Rhodamine B Based on Dual-Functional, 3D, Hierarchical Ag/ZnO Nanoflowers. Sensors, 2022, 22, 5049.	2.1	6