

Neethu Sebastian

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

469
citations

686830

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794141

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19
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19
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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161768.	2.8	15
2	Ultrasensitive detection of food colorant sunset yellow using nickel nanoparticles promoted lettuce-like spinel Co ₃ O ₄ anchored GO nanosheets. <i>Food and Chemical Toxicology</i> , 2022, 159, 112725.	1.8	22
3	Bi-functional renewable biopolymer wrapped CNFs/Ag doped spinel cobalt oxide as a sensitive platform for highly toxic nitroaromatic compound detection and degradation. <i>Chemosphere</i> , 2022, 291, 132998.	4.2	20
4	Nanomolar detection of food additive tert-butylhydroquinone in edible oils based on novel ternary metal oxide embedded β -cyclodextrin functionalized carbon black. <i>Food Chemistry</i> , 2022, 377, 131867.	4.2	18
5	Functionalization of CNFs surface with β -cyclodextrin and decoration of hematite nanoparticles for detection and degradation of toxic fungicide carbendazim. <i>Applied Surface Science</i> , 2022, 586, 152666.	3.1	23
6	A sensitive and economical electrochemical platform for detection of food additive tert-butylhydroquinone based on porous Co ₃ O ₄ nanorods embellished chemically oxidized carbon black. <i>Food Control</i> , 2022, 136, 108844.	2.8	19
7	Use of an Artificial Neural Network for Tensile Strength Prediction of Nano Titanium Dioxide Coated Cotton. <i>Polymers</i> , 2022, 14, 937.	2.0	7
8	Comfort evaluation of ZnO coated fabrics by artificial neural network assisted with golden eagle optimizer model. <i>Scientific Reports</i> , 2022, 12, 6350.	1.6	12
9	Ultrasensitive Electrochemical Detection and Plasmon-Enhanced Photocatalytic Degradation of Rhodamine B Based on Dual-Functional, 3D, Hierarchical Ag/ZnO Nanoflowers. <i>Sensors</i> , 2022, 22, 5049.	2.1	6
10	Ultrasensitive detection of cytotoxic food preservative tert-butylhydroquinone using 3D cupric oxide nanoflowers embedded functionalized carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2021, 406, 124792.	6.5	28
11	Surface functionalization of CNTs with amine group and decoration of begonia-like ZnO for detection of antipyretic drug acetaminophen. <i>Applied Surface Science</i> , 2021, 559, 149981.	3.1	13
12	Ultrasound-assisted synthesis of 3D flower-like zinc oxide decorated fMWCNTs for sensitive detection of toxic environmental pollutant 4-nitrophenol. <i>Ultrasonics Sonochemistry</i> , 2020, 60, 104798.	3.8	41
13	Synthesis of amine-functionalized multi-walled carbon nanotube/3D rose flower-like zinc oxide nanocomposite for sensitive electrochemical detection of flavonoid morin. <i>Analytica Chimica Acta</i> , 2020, 1095, 71-81.	2.6	31
14	A novel soft sensor based warning system for hazardous ground-level ozone using advanced damped least squares neural network. <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111168.	2.9	6
15	Sonochemical synthesis of iron-graphene oxide/honeycomb-like ZnO ternary nanohybrids for sensitive electrochemical detection of antipsychotic drug chlorpromazine. <i>Ultrasonics Sonochemistry</i> , 2019, 59, 104696.	3.8	37
16	Air quality warning system based on a localized PM _{2.5} soft sensor using a novel approach of Bayesian regularized neural network via forward feature selection. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109386.	2.9	23
17	Electrochemical detection of an antibiotic drug chloramphenicol based on a graphene oxide/hierarchical zinc oxide nanocomposite. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 82-93.	3.0	90
18	Ecofriendly synthesized reduced graphene oxide embellished marsh marigold-like zinc oxide nanocomposite based on ultrasonication technique for the sensitive detection of environmental pollutant hydroquinone. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104650.	3.8	25

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19	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