K Koteshwara Reddy

List of Publications by Year
in descending order

20 papers	904 citations	567281 15 h-index	839539 18 g-index
20 all docs	20 docs citations	20 times ranked	1338 citing authors

#	Article	IF	Citations
1	Polymers used in green synthesis of nanoparticles and their importance in pharmaceutical and biomedical applications. , 2022, , 125-163.		3
2	Hydroxypropyl methylcellulose-copper nanoparticle and its nanocomposite hydrogel films for antibacterial application. Carbohydrate Polymers, 2021, 254, 117302.	10.2	63
3	Electrochemical diagnostics of infectious viral diseases: Trends and challenges. Biosensors and Bioelectronics, 2021, 180, 113112.	10.1	63
4	Metal oxide-metal nanocomposite-modified electrochemical sensors for toxic chemicals. , 2021, , 79-137.		2
5	Chitosan-pluronic based Cu nanocomposite hydrogels for prototype antimicrobial applications. International Journal of Biological Macromolecules, 2020, 143, 825-832.	7.5	58
6	A review on recent developments in optical and electrochemical aptamer-based assays for mycotoxins using advanced nanomaterials. Mikrochimica Acta, 2020, 187, 29.	5.0	97
7	Graphene oxide interlayered Ga-doped FeSe2 nanorod: A robust nanocomposite with ideal electronic structure for electrochemical dopamine detection. Electrochimica Acta, 2020, 363, 137245.	5.2	11
8	Recent Trends in Electrochemical Sensors for Vital Biomedical Markers Using Hybrid Nanostructured Materials. Advanced Science, 2020, 7, 1902980.	11.2	54
9	Chitosan capped copper oxide/copper nanoparticles encapsulated microbial resistant nanocomposite films. International Journal of Biological Macromolecules, 2019, 128, 499-508.	7.5	101
10	Silver nanoparticles impregnated chitosan layered carbon nanotube as sensor interface for electrochemical detection of clopidogrel in-vitro. Materials Science and Engineering C, 2019, 101, 103-110.	7.3	30
11	Facile synthesis of Ag3PO4/g-C3N4 composites in various solvent systems with tuned morphologies and their efficient photocatalytic activity for multi-dye degradation. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 368, 168-181.	3.9	44
12	Iron-based heterogeneous catalysts for oxygen evolution reaction; change in perspective from activity promoter to active catalyst. Journal of Power Sources, 2018, 395, 106-127.	7.8	68
13	Conducting Polymer-Layered Carbon Nanotube as Sensor Interface for Electrochemical Detection of Dacarbazine In-Vitro. Electrocatalysis, 2017, 8, 214-223.	3.0	11
14	Carbon nanotube ensembled hybrid nanocomposite electrode for direct electrochemical detection of epinephrine in pharmaceutical tablets and urine. Materials Science and Engineering C, 2017, 79, 93-99.	7.3	61
15	Development of highly selective electrochemical impedance sensor for detection of sub-micromolar concentrations of 5-Chloro-2,4-dinitrotoluene. Journal of Chemical Sciences, 2016, 128, 763-770.	1.5	10
16	Biopolymer Stabilized Nanogold Particles on Carbon Nanotube Support as Sensing Platform for Electrochemical Detection of 5-Fluorouracil in-vitro. Electrochimica Acta, 2015, 178, 608-616.	5.2	55
17	Nanobiocomposite Based Electrochemical Sensor for Sensitive Determination of Serotonin in Presence of Dopamine, Ascorbic Acid and Uric Acid In Vitro. Electroanalysis, 2014, 26, 2365-2372.	2.9	58
18	Multiwall carbon nanotube ensembled biopolymer electrode for selective determination of isoniazid in vitro. Analytical Methods, 2014, 6, 3772-3778.	2.7	40

#	Article	IF	Citations
19	Artificial molecular recognition material based biosensor for creatinine by electrochemical impedance analysis. Sensors and Actuators B: Chemical, 2013, 183, 356-363.	7.8	54
20	Activated direct electron transfer of nanoAu bioconjugates of cytochrome c for electrocatalytic detection of trace levels of superoxide dismutase enzyme. Electrochimica Acta, 2012, 78, 109-114.	5.2	21