

K Koteswara Reddy

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

904
citations

566801

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839053

18
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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.	5.1	63
3	Electrochemical diagnostics of infectious viral diseases: Trends and challenges. Biosensors and Bioelectronics, 2021, 180, 113112.	5.3	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.	3.6	58
6	A review on recent developments in optical and electrochemical aptamer-based assays for mycotoxins using advanced nanomaterials. Mikrochimica Acta, 2020, 187, 29.	2.5	97
7	Graphene oxide interlayered Ga-doped FeSe ₂ nanorod: A robust nanocomposite with ideal electronic structure for electrochemical dopamine detection. Electrochimica Acta, 2020, 363, 137245.	2.6	11
8	Recent Trends in Electrochemical Sensors for Vital Biomedical Markers Using Hybrid Nanostructured Materials. Advanced Science, 2020, 7, 1902980.	5.6	54
9	Chitosan capped copper oxide/copper nanoparticles encapsulated microbial resistant nanocomposite films. International Journal of Biological Macromolecules, 2019, 128, 499-508.	3.6	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.	3.8	30
11	Facile synthesis of Ag ₃ PO ₄ /g-C ₃ N ₄ 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.	2.0	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.	4.0	68
13	Conducting Polymer-Layered Carbon Nanotube as Sensor Interface for Electrochemical Detection of Dacarbazine In-Vitro. Electrocatalysis, 2017, 8, 214-223.	1.5	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.	3.8	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.	0.7	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.	2.6	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.	1.5	58
18	Multiwalled carbon nanotube ensembled biopolymer electrode for selective determination of isoniazid in vitro. Analytical Methods, 2014, 6, 3772-3778.	1.3	40

#	ARTICLE	IF	CITATIONS
19	Artificial molecular recognition material based biosensor for creatinine by electrochemical impedance analysis. <i>Sensors and Actuators B: Chemical</i> , 2013, 183, 356-363.	4.0	54
20	Activated direct electron transfer of nanoAu bioconjugates of cytochrome c for electrocatalytic detection of trace levels of superoxide dismutase enzyme. <i>Electrochimica Acta</i> , 2012, 78, 109-114.	2.6	21