

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

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20
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20
docs citations

20
times ranked

1338
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan capped copper oxide/copper nanoparticles encapsulated microbial resistant nanocomposite films. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 499-508.	3.6	101
2	A review on recent developments in optical and electrochemical aptamer-based assays for mycotoxins using advanced nanomaterials. <i>Mikrochimica Acta</i> , 2020, 187, 29.	2.5	97
3	Iron-based heterogeneous catalysts for oxygen evolution reaction; change in perspective from activity promoter to active catalyst. <i>Journal of Power Sources</i> , 2018, 395, 106-127.	4.0	68
4	Hydroxypropyl methylcellulose-copper nanoparticle and its nanocomposite hydrogel films for antibacterial application. <i>Carbohydrate Polymers</i> , 2021, 254, 117302.	5.1	63
5	Electrochemical diagnostics of infectious viral diseases: Trends and challenges. <i>Biosensors and Bioelectronics</i> , 2021, 180, 113112.	5.3	63
6	Carbon nanotube ensembled hybrid nanocomposite electrode for direct electrochemical detection of epinephrine in pharmaceutical tablets and urine. <i>Materials Science and Engineering C</i> , 2017, 79, 93-99.	3.8	61
7	Nanobiocomposite Based Electrochemical Sensor for Sensitive Determination of Serotonin in Presence of Dopamine, Ascorbic Acid and Uric Acid In Vitro. <i>Electroanalysis</i> , 2014, 26, 2365-2372.	1.5	58
8	Chitosan-pluronic based Cu nanocomposite hydrogels for prototype antimicrobial applications. <i>International Journal of Biological Macromolecules</i> , 2020, 143, 825-832.	3.6	58
9	Biopolymer Stabilized Nanogold Particles on Carbon Nanotube Support as Sensing Platform for Electrochemical Detection of 5-Fluorouracil in-vitro. <i>Electrochimica Acta</i> , 2015, 178, 608-616.	2.6	55
10	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
11	Recent Trends in Electrochemical Sensors for Vital Biomedical Markers Using Hybrid Nanostructured Materials. <i>Advanced Science</i> , 2020, 7, 1902980.	5.6	54
12	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. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 368, 168-181.	2.0	44
13	Multiwalled carbon nanotube ensembled biopolymer electrode for selective determination of isoniazid in vitro. <i>Analytical Methods</i> , 2014, 6, 3772-3778.	1.3	40
14	Silver nanoparticles impregnated chitosan layered carbon nanotube as sensor interface for electrochemical detection of clopidogrel in-vitro. <i>Materials Science and Engineering C</i> , 2019, 101, 103-110.	3.8	30
15	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
16	Conducting Polymer-Layered Carbon Nanotube as Sensor Interface for Electrochemical Detection of Dacarbazine In-Vitro. <i>Electrocatalysis</i> , 2017, 8, 214-223.	1.5	11
17	Graphene oxide interlayered Ga-doped FeSe ₂ nanorod: A robust nanocomposite with ideal electronic structure for electrochemical dopamine detection. <i>Electrochimica Acta</i> , 2020, 363, 137245.	2.6	11
18	Development of highly selective electrochemical impedance sensor for detection of sub-micromolar concentrations of 5-Chloro-2,4-dinitrotoluene. <i>Journal of Chemical Sciences</i> , 2016, 128, 763-770.	0.7	10

#	ARTICLE	IF	CITATIONS
19	Polymers used in green synthesis of nanoparticles and their importance in pharmaceutical and biomedical applications. , 2022, , 125-163.		3
20	Metal oxide-metal nanocomposite-modified electrochemical sensors for toxic chemicals. , 2021, , 79-137.		2