

Kshitij Rb Singh

List of Publications by Year in descending order

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44
papers

1,126
citations

394286

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28
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44
all docs

44
docs citations

44
times ranked

469
citing authors

#	ARTICLE	IF	CITATIONS
1	Cerium oxide nanoparticles: properties, biosynthesis and biomedical application. RSC Advances, 2020, 10, 27194-27214.	1.7	189
2	Potentialities of selenium nanoparticles in biomedical science. New Journal of Chemistry, 2021, 45, 2849-2878.	1.4	101
3	Potentialities of bioinspired metal and metal oxide nanoparticles in biomedical sciences. RSC Advances, 2021, 11, 24722-24746.	1.7	88
4	Plant-soil-microbes: A tripartite interaction for nutrient acquisition and better plant growth for sustainable agricultural practices. Environmental Research, 2022, 214, 113821.	3.7	81
5	Recent Applications of Magnesium Oxide (MgO) Nanoparticles in various domains. Advanced Materials Letters, 2020, 11, 1-10.	0.3	62
6	Tunable electrochemistry and efficient antibacterial activity of plant-mediated copper oxide nanoparticles synthesized by <i>Annona squamosa</i> seed extract for agricultural utility. RSC Advances, 2021, 11, 18050-18060.	1.7	60
7	Nano-enabled wearable sensors for the Internet of Things (IoT). Materials Letters, 2021, 304, 130614.	1.3	45
8	Bioinspired triangular ZnO nanoclusters synthesized by <i>Argyrea nervosa</i> nascent leaf extract for the efficient electrochemical determination of vitamin C. RSC Advances, 2021, 11, 25752-25763.	1.7	40
9	Internet of things (IoT) in nano-integrated wearable biosensor devices for healthcare applications. Biosensors and Bioelectronics: X, 2022, 11, 100153.	0.9	38
10	Potential applications of peptide nucleic acid in biomedical domain. Engineering Reports, 2020, 2, e12238.	0.9	31
11	Influence of the SARS-CoV-2 pandemic: a review from the climate change perspective. Environmental Sciences: Processes and Impacts, 2021, 23, 1060-1078.	1.7	31
12	Potentialities of graphene and its allied derivatives to combat against SARS-CoV-2 infection. Materials Today Advances, 2022, 13, 100208.	2.5	31
13	Preparation, antibacterial activity, and electrocatalytic detection of hydrazine based on biogenic CuFeO ₂ /PANI nanocomposites synthesized using <i>Aloe barbadensis miller</i> . New Journal of Chemistry, 2022, 46, 8805-8816.	1.4	30
14	Melt-quenched vanadium pentoxide-stabilized chitosan nanohybrids for efficient hydrazine detection. Materials Advances, 2021, 2, 6665-6675.	2.6	28
15	Efficient electro-optical characteristics of bioinspired iron oxide nanoparticles synthesized by Terminalia chebula dried seed extract. Materials Letters, 2022, 307, 131053.	1.3	28
16	Smart and emerging nanomaterials-based biosensor for SARS-CoV-2 detection. Materials Letters, 2022, 307, 131092.	1.3	28
17	Potentialities of core@shell nanomaterials for biosensor technologies. Materials Letters, 2022, 306, 130912.	1.3	25
18	Potentialities of nanomaterials for the management and treatment of metabolic syndrome: A new insight. Materials Today Advances, 2022, 13, 100198.	2.5	25

#	ARTICLE	IF	CITATIONS
19	Bioinspired quantum dots for cancer therapy: A mini-review. Materials Letters, 2022, 313, 131742.	1.3	22
20	Recent advancements of biogenic iron nanoparticles in cancer theranostics. Materials Letters, 2022, 313, 131769.	1.3	21
21	Bionanomaterials for green bionanotechnology. , 0, , .		18
22	Trends of bioderived carbonaceous materials for futuristic biomedical applications. Materials Letters, 2022, 311, 131606.	1.3	15
23	Current Scenario of Nanomaterials in the Environmental, Agricultural, and Biomedical Fields. , 2021, , 129-158.		14
24	Chemometric approach in environmental pollution analysis: A critical review. Journal of Environmental Management, 2022, 309, 114653.	3.8	14
25	Introduction to bionanomaterials: an overview. , 0, , .		10
26	Design and synergistic effect of nano-sized epoxy-NiCo ₂ O ₄ nanocomposites for anticorrosion applications. RSC Advances, 2022, 12, 14888-14901.	1.7	8
27	Nanomaterials in Bionanotechnology. , 0, , .		7
28	Molecularly imprinted polymer-based optical immunosensors. Luminescence, 2023, 38, 834-844.	1.5	7
29	Introduction to Composite Materials. , 2021, , 1-28.		5
30	Introduction to Nanomaterials. , 2021, , 1-35.		5
31	Utility of Nanobiosensors in Environmental Analysis and Monitoring. Environmental Chemistry for A Sustainable World, 2021, , 229-246.	0.3	4
32	Nanomaterials' Properties, Classification, Synthesis, and Characterization1. , 2021, , 37-68.		3
33	Nanofortification of vitamin B-complex in food matrix: Need, regulations, and prospects. Food Chemistry Molecular Sciences, 2022, 4, 100100.	0.9	3
34	Biogenic Synthesis Of Copper Oxide Nanoparticles: Characterization And Biosensing Application. ECS Transactions, 2022, 107, 20127-20133.	0.3	3
35	Nanobiotechnology in animal production and health. , 2021, , 185-198.		2
36	Conducting Polymer-Based Microbial Fuel Cells. , 2021, , 337-344.		1

#	ARTICLE	IF	CITATIONS
37	Introduction: potentialities of bionanomaterials towards the environmental and agricultural domain. , 0, , .		1
38	Biotechnology in animal nutrition and feed utilization. , 2022, , 339-369.		1
39	Bioderived Magnetic Iron Oxide Nanoparticles from Leaf Extract of <i>Argyrea Nervosa</i> for Electrochemical Biosensing of Pesticide. ECS Transactions, 2022, 107, 16343-16349.	0.3	1
40	Polycystic Ovarian Syndrome Burden in Central India: A Cross-Sectional Study. Journal of Clinical Research and Reports, 2020, 4, 01-06.	0.1	0
41	Role of biopesticides derived from bionanomaterials for enhanced food security and sustainable agriculture. , 0, , .		0
42	Future aspects of biosensor-based devices in disease detection. , 2022, , 423-439.		0
43	Waterborne Polyurethanes for Sensors. , 2021, , 333-353.		0
44	Phytosynthesized Magnetic Iron Oxide Nanoparticle from <i>Terminalia Chebula</i> (Harra) Seed Extract and its Sensing Application. ECS Transactions, 2022, 107, 20041-20048.	0.3	0