Shivendu Ranjan

List of Publications by Year
in descending order

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70	3,177	212478	175968
papers	citations	28 h-index	55 g-index

74	74	74	3793
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of food-grade antimicrobials of fenugreek oil nanoemulsionâ€"bioactivity and toxicity analysis. Environmental Science and Pollution Research, 2023, 30, 24907-24918.	2.7	8
2	Nanoparticles and nanofluids: Characteristics and behavior aspects. , 2022, , 41-71.		2
3	Fabrication of nanomaterials. , 2022, , 1-39.		3
4	Can human overcome viral hijack-? Comprehensive review on COVID-19 in the view of diagnosis and mitigation across countries. Journal of Drug Delivery Science and Technology, 2021, 61, 102120.	1.4	2
5	A sustainable solution for enhanced food packaging via a scienceâ€based composite blend of naturalâ€sourced chitosan and microbial extracellular polymeric substances. Journal of Food Processing and Preservation, 2021, 45, .	0.9	12
6	Biogenic Preparation and Characterization of ZnO Nanoparticles from Natural Polysaccharide Azadirachta indica .L. (neem gum) and its Clinical Implications. Journal of Cluster Science, 2021, 32, 983-993.	1.7	21
7	Biological Compound Capping of Silver Nanoparticle with the Seed Extracts of Blackcumin (Nigella) Tj ETQq1 1 0.784314 rgBT /Overlo Inorganic and Organometallic Polymers and Materials, 2021, 31, 624-635.	1.9	35
8	Phytoresponse to Nanoparticle Exposure. Environmental Chemistry for A Sustainable World, 2021, , 251-286.	0.3	4
9	Phyto-Nanosensors: Advancement of Phytochemicals as an Electrochemical Platform for Various Biomedical Applications. Environmental Chemistry for A Sustainable World, 2021, , 311-338.	0.3	1
10	Strong and nonspecific synergistic antibacterial/antibiofilm impact of nano-silver biosynthesized and decorated with active ingredients of Oscimum basilicum L.. 3 Biotech, 2021, 11, 153.	1.1	4
11	Electrospun nanofibers of polyvinylidene fluoride incorporated with titanium nanotubes for purifying air with bacterial contamination. Environmental Science and Pollution Research, 2021, 28, 37520-37533.	2.7	23
12	Curcumin loaded polycaprolactone-/polyvinyl alcohol-silk fibroin based electrospun nanofibrous mat for rapid healing of diabetic wound: An in-vitro and in-vivo studies. International Journal of Biological Macromolecules, 2021, 176, 376-386.	3.6	82
13	Future applications of electrospun nanofibers in pressure driven water treatment: A brief review and research update. Journal of Environmental Chemical Engineering, 2021, 9, 105107.	3.3	54
14	Whey protein based electrosprayed nanospheres for encapsulation and controlled release of bioactive compounds from Tinospora cordifolia extract. Innovative Food Science and Emerging Technologies, 2021, 69, 102671.	2.7	11
15	Sustainable recovery of plant essential Nitrogen and Phosphorus from human urine using industrial coal fly ash. Environmental Technology and Innovation, 2021, 24, 101985.	3.0	11
16	Inhibitory effect of clove oil nanoemulsion on fumonisin isolated from maize kernels. LWT - Food Science and Technology, 2020, 134, 110237.	2.5	15
17	Involvement of Bcl-2 Activation and G1 Cell Cycle Arrest in Colon Cancer Cells Induced by Titanium Dioxide Nanoparticles Synthesized by Microwave-Assisted Hybrid Approach. Frontiers in Bioengineering and Biotechnology, 2020, 8, 606.	2.0	24
18	Advances in nanotechnology and nanomaterials based strategies for neural tissue engineering. Journal of Drug Delivery Science and Technology, 2020, 57, 101617.	1.4	88

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19	Aquatic nanotoxicology: impact of carbon nanomaterials on algal flora. Energy, Ecology and Environment, 2020, 5, 240-252.	1.9	22
20	Methods for nanoemulsion and nanoencapsulation of food bioactives. Environmental Chemistry Letters, 2019, 17, 1471-1483.	8.3	25
21	Design and analysis for the removal of active pharmaceutical residues from synthetic wastewater stream. Environmental Science and Pollution Research, 2019, 26, 18739-18751.	2.7	6
22	Nanoemulsions in food: market demand. Environmental Chemistry Letters, 2019, 17, 1003-1009.	8.3	59
23	Silver nanoparticles engineered by thermal co-reduction approach induces liver damage in Wistar rats: acute and sub-chronic toxicity analysis. 3 Biotech, 2019, 9, 125.	1.1	14
24	Food-grade nanoencapsulation of vitamins. Environmental Chemistry Letters, 2019, 17, 991-1002.	8.3	18
25	Nanoemulsion ingredients and components. Environmental Chemistry Letters, 2019, 17, 917-928.	8.3	29
26	Toxicity and regulations of food nanomaterials. Environmental Chemistry Letters, 2019, 17, 929-944.	8.3	33
27	Adsorptive removal of arsenic from real sample of polluted water using magnetic GO/ZnFe2O4 nanocomposite and ZnFe2O4 nanospinel. International Journal of Environmental Science and Technology, 2019, 16, 7455-7466.	1.8	23
28	Nanotechnology in Food Sector. Environmental Chemistry for A Sustainable World, 2018, , 1-18.	0.3	8
29	Food-Grade Nanoemulsions: Review on the Possible Market. Environmental Chemistry for A Sustainable World, 2018, , 123-128.	0.3	3
30	Nanotechnology in Food Packaging. Environmental Chemistry for A Sustainable World, 2018, , 129-150.	0.3	2
31	Food Nanoemulsions: Stability, Benefits and Applications. Environmental Chemistry for A Sustainable World, 2018, , 19-48.	0.3	8
32	Fabrication of Nanoemulsion: A Brief Review. Environmental Chemistry for A Sustainable World, 2018, , 49-62.	0.3	3
33	Nano-Food Toxicity and Regulations. Environmental Chemistry for A Sustainable World, 2018, , 151-179.	0.3	5
34	Research Updates on Different Vitamins Based Nanoemulsions and Characterization of Nanoemulsions. Environmental Chemistry for A Sustainable World, 2018, , 105-122.	0.3	3
35	Ingredients and Components of Nanoemulsions. Environmental Chemistry for A Sustainable World, 2018, , 63-82.	0.3	5
36	Food Engineering for Developing Food-Grade Nanoemulsions. Environmental Chemistry for A Sustainable World, 2018, , 83-103.	0.3	3

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37	An Introduction to Food Grade Nanoemulsions. Environmental Chemistry for A Sustainable World, 2018, , .	0.3	18
38	Graphene oxide MgFe2O4 nanocomposites for Cr(VI) remediation: a comparative modeling study. Nanotechnology for Environmental Engineering, 2018, 3, 1.	2.0	8
39	Formulation of vitamin D encapsulated cinnamon oil nanoemulsion: Its potential anti-cancerous activity in human alveolar carcinoma cells. Colloids and Surfaces B: Biointerfaces, 2018, 166, 349-357.	2.5	51
40	Nanomaterials in food and agriculture: An overview on their safety concerns and regulatory issues. Critical Reviews in Food Science and Nutrition, 2018, 58, 297-317.	5.4	269
41	Bioinspired gold nanoparticles decorated reduced graphene oxide nanocomposite using Syzygium cumini seed extract: Evaluation of its biological applications. Materials Science and Engineering C, 2018, 93, 191-205.	3.8	59
42	Thermal Co-reduction engineered silver nanoparticles induce oxidative cell damage in human colon cancer cells through inhibition of reduced glutathione and induction of mitochondria-involved apoptosis. Chemico-Biological Interactions, 2018, 295, 109-118.	1.7	42
43	Titanium dioxide nanoparticle–protein interaction explained by docking approach. International Journal of Nanomedicine, 2018, Volume 13, 47-50.	3.3	22
44	Nanotechnology in Functional Foods and Their Packaging. , 2018, , 389-412.		1
45	A Novel Approach to Evaluate Titanium Dioxide Nanoparticleâ€“Protein Interaction Through Docking: An Insight into Mechanism of Action. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2017, 87, 937-943.	0.4	38
46	Microwave Blanching: An Emerging Trend in Food Engineering and its Effects on Capsicum annuum L. Journal of Food Process Engineering, 2017, 40, e12411.	1.5	29
47	Applications of nanotechnology in agriculture and water quality management. Environmental Chemistry Letters, 2017, 15, 591-605.	8.3	168
48	Fish oil based vitamin D nanoencapsulation by ultrasonication and bioaccessibility analysis in simulated gastro-intestinal tract. Ultrasonics Sonochemistry, 2017, 39, 623-635.	3.8	112
49	Nanotechnology towards prevention of anaemia and osteoporosis: from concept to market. Biotechnology and Biotechnological Equipment, 2017, 31, 863-879.	0.5	47
50	Nano-zirconia â€“ Evaluation of its antioxidant and anticancer activity. Journal of Photochemistry and Photobiology B: Biology, 2017, 170, 125-133.	1.7	115
51	Diastase induced green synthesis of bilayered reduced graphene oxide and its decoration with gold nanoparticles. Journal of Photochemistry and Photobiology B: Biology, 2017, 166, 252-258.	1.7	70
52	Cytotoxicity study of Piper nigrum seed mediated synthesized SnO2 nanoparticles towards colorectal (HCT116) and lung cancer (A549) cell lines. Journal of Photochemistry and Photobiology B: Biology, 2017, 166, 158-168.	1.7	129
53	Nanoscience in Food and Agriculture 5. Sustainable Agriculture Reviews, 2017, , .	0.6	7
54	Assessment on the antibacterial activity of nanosized silica derived from hypercoordinated silicon(<scp>iv</scp>) precursors. RSC Advances, 2016, 6, 66394-66406.	1.7	35

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55	Bovine serum albumin interacts with silver nanoparticles with a â€œside-onâ€•or â€œend onâ€•conformation. Chemico-Biological Interactions, 2016, 253, 100-111.	1.7	63
56	Microwave-irradiation-assisted hybrid chemical approach for titanium dioxide nanoparticle synthesis: microbial and cytotoxicological evaluation. Environmental Science and Pollution Research, 2016, 23, 12287-12302.	2.7	44
57	Titanium dioxide nanoparticles induce bacterial membrane rupture by reactive oxygen species generation. Environmental Chemistry Letters, 2016, 14, 487-494.	8.3	92
58	Nanoagriculture and Water Quality Management. Sustainable Agriculture Reviews, 2016, , 1-42.	0.6	16
59	Nanoscience in Food and Agriculture 1. Sustainable Agriculture Reviews, 2016, , .	0.6	13
60	Nanoscience in Food and Agriculture 2. Sustainable Agriculture Reviews, 2016, , .	0.6	11
61	A spectroscopic study on interaction between bovine serum albumin and titanium dioxide nanoparticle synthesized from microwave-assisted hybrid chemical approach. Journal of Photochemistry and Photobiology B: Biology, 2016, 161, 472-481.	1.7	58
62	Blood coagulating effect of marigold (Tagetes erecta L.) leaf and its bioactive compounds. Oriental Pharmacy and Experimental Medicine, 2016, 16, 67-75.	1.2	8
63	Fabrication of Food Grade Vitamin E Nanoemulsion by Low Energy Approach, Characterization and Its Application. International Journal of Food Properties, 2016, 19, 700-708.	1.3	138
64	Thermal co-reduction approach to vary size of silver nanoparticle: its microbial and cellular toxicology. Environmental Science and Pollution Research, 2016, 23, 4149-4163.	2.7	73
65	An Overview of Reactor Designs for Biodesel Production. , 2015, , 239-258.		0
66	Diastase assisted green synthesis of size-controllable gold nanoparticles. RSC Advances, 2015, 5, 26727-26733.	1.7	110
67	Nanotechnology in agro-food: From field to plate. Food Research International, 2015, 69, 381-400.	2.9	325
68	Extraction-based blood coagulation activity of marigold leaf: a comparative study. Comparative Clinical Pathology, 2014, 23, 1715-1718.	0.3	7
69	Nanoscience and nanotechnologies in food industries: opportunities and research trends. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	231
70	Nanotechnology for tissue engineering: Need, techniques andÂapplications. Journal of Pharmacy Research, 2013, 7, 200-204.	0.4	79