

Shiv Singh

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,685
citations

236833

25
h-index

289141

40
g-index

45
all docs

45
docs citations

45
times ranked

1582
citing authors

#	ARTICLE	IF	CITATIONS
1	Triacetin additive in biodiesel to reduce air pollution: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1193-1224.	8.3	10
2	Graphene quantum dots: A contemporary perspective on scope, opportunities, and sustainability. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 157, 111993.	8.2	41
3	Carbon-Based Sorbents for Hydrogen Storage: Challenges and Sustainability at Operating Conditions for Renewable Energy. <i>ChemSusChem</i> , 2022, 15, .	3.6	29
4	Aloe vera: A contemporary overview on scope and prospects in food preservation and packaging. <i>Progress in Organic Coatings</i> , 2022, 166, 106799.	1.9	16
5	A dual photoelectrode-based double-chambered microbial fuel cell applied for simultaneous COD and Cr (VI) reduction in wastewater. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 3160-3170.	3.8	21
6	Waste candle soot derived carbon nanoparticles: A competent alternative for the management of <i>Helicoverpa armigera</i> . <i>Chemosphere</i> , 2021, 264, 128537.	4.2	3
7	A nickel oxide-decorated <i>in situ</i> grown 3-D graphitic forest engrained carbon foam electrode for microbial fuel cells. <i>Chemical Communications</i> , 2021, 57, 879-882.	2.2	39
8	A CeO ₂ sprinkled graphitic novel packed bed anode-based single-chamber MFC for the treatment of high organic-loaded industrial effluent in upflow continuous mode. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23106-23116.	5.2	19
9	MXenes: Emerging 2D materials for hydrogen storage. <i>Nano Energy</i> , 2021, 85, 105989.	8.2	132
10	A sustainable approach towards utilization of plastic waste for an efficient electrode in microbial fuel cell applications. <i>Journal of Hazardous Materials</i> , 2021, 417, 125992.	6.5	29
11	Advancements in spontaneous microbial desalination technology for sustainable water purification and simultaneous power generation: A review. <i>Journal of Environmental Management</i> , 2021, 297, 113374.	3.8	18
12	Iron nanoparticles decorated hierarchical carbon fiber forest for the magnetic solid-phase extraction of multi-pesticide residues from water samples. <i>Chemosphere</i> , 2021, 282, 131058.	4.2	17
13	Carbon Nanomaterials: A Prominent Emerging Materials Towards Environmental Pollution Study and Control. <i>Energy, Environment, and Sustainability</i> , 2021, , 5-25.	0.6	0
14	Candle soot derived carbon nanoparticles: An assessment of cellular and progressive toxicity using <i>Drosophila melanogaster</i> model. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 228, 108646.	1.3	22
15	Carbon nanomaterials integrated molecularly imprinted polymers for biological sample analysis: A critical review. <i>Materials Chemistry and Physics</i> , 2020, 239, 121966.	2.0	71
16	Significance of modification of slurry infiltration process for the precursor impregnation and pyrolysis process of SiCf/SiC composites. <i>Journal of the European Ceramic Society</i> , 2020, 40, 2245-2251.	2.8	6
17	Synthesis and characterization of 316L stainless steel foam made through two different removal process of space holder method. <i>Manufacturing Letters</i> , 2020, 26, 33-36.	1.1	19
18	CVD grown carbon nanofibers: an efficient DSPE sorbent for cleanup of multi-class pesticide residue in high fat and low water commodities by QuEChERS using GC-ECD. <i>Mikrochimica Acta</i> , 2020, 187, 490.	2.5	13

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19	Metal and Metal Matrix 2D Nanomaterial Composites: Attractive Alternatives for EMI Shielding Applications. ACS Symposium Series, 2020, , 347-373.	0.5	2
20	Effective elimination of endocrine disrupting bisphenol A and S from drinking water using phenolic resin-based activated carbon fiber: Adsorption, thermodynamic and kinetic studies. Environmental Nanotechnology, Monitoring and Management, 2020, 14, 100316.	1.7	16
21	Preheated self-aligned graphene oxide for enhanced room temperature hydrogen storage. International Journal of Hydrogen Energy, 2020, 45, 19561-19566.	3.8	13
22	Efficient bio-electroreduction of CO ₂ to formate on a iron phthalocyanine-dispersed CDC in microbial electrolysis system. Electrochimica Acta, 2020, 338, 135887.	2.6	43
23	Simultaneous hydrogen generation and COD reduction in a photoanode-based microbial electrolysis cell. International Journal of Hydrogen Energy, 2020, 45, 25985-25995.	3.8	45
24	Catalytic Chemical Vapor Deposition Grown Carbon Nanofiber for Bio-electro-chemical and Energy Applications. Energy, Environment, and Sustainability, 2020, , 497-526.	0.6	2
25	Recent Advances in Micro-extraction Based Analytical Approaches for Pesticides Analysis in Environmental Samples. Energy, Environment, and Sustainability, 2020, , 281-318.	0.6	4
26	Recent advancement of carbon nanomaterials engrained molecular imprinted polymer for environmental matrix. Trends in Environmental Analytical Chemistry, 2020, 27, e00092.	5.3	42
27	Cerium oxide-catalyzed chemical vapor deposition grown carbon nanofibers for electrochemical detection of Pb(II) and Cu(II). Journal of Environmental Chemical Engineering, 2019, 7, 103250.	3.3	38
28	Candle soot derived carbon nanoparticles: Assessment of physico-chemical properties, cytotoxicity and genotoxicity. Chemosphere, 2019, 214, 130-135.	4.2	23
29	Candle soot-derived carbon nanoparticles: An inexpensive and efficient electrode for microbial fuel cells. Electrochimica Acta, 2018, 264, 119-127.	2.6	91
30	Inexpensive, effective novel activated carbon fibers for sample cleanup: application to multipesticide residue analysis in food commodities using a QuEChERS method. Analytical and Bioanalytical Chemistry, 2018, 410, 2241-2251.	1.9	30
31	Waste candle soot derived nitrogen doped carbon dots based fluorescent sensor probe: An efficient and inexpensive route to determine Hg(II) and Fe(III) from water. Journal of Environmental Chemical Engineering, 2018, 6, 5561-5569.	3.3	53
32	Synthesis of Silicon Carbide-Derived Carbon as an Electrode of a Microbial Fuel Cell and an Adsorbent of Aqueous Cr(VI). Industrial & Engineering Chemistry Research, 2017, 56, 1233-1244.	1.8	30
33	Improved performance of a single chamber microbial fuel cell using nitrogen-doped polymer-metal-carbon nanocomposite-based air-cathode. International Journal of Hydrogen Energy, 2017, 42, 3271-3280.	3.8	53
34	Effect of Hurdle Technology in Food Preservation: A Review. Critical Reviews in Food Science and Nutrition, 2016, 56, 641-649.	5.4	112
35	In situ nitrogen-doping of nickel nanoparticle-dispersed carbon nanofiber-based electrodes: Its positive effects on the performance of a microbial fuel cell. Electrochimica Acta, 2016, 190, 620-627.	2.6	91
36	Enhanced power generation using a novel polymer-coated nanoparticles dispersed-carbon micro-nanofibers-based air-cathode in a membrane-less single chamber microbial fuel cell. International Journal of Hydrogen Energy, 2016, 41, 1237-1247.	3.8	74

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37	Graphitic carbon micronanofibers asymmetrically dispersed with alumina-nickel nanoparticles: A novel electrode for mediatorless microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 5928-5938.	3.8	63
38	Fabrication of Ni nanoparticles-dispersed carbon micro-nanofibers as the electrodes of a microbial fuel cell for bio-energy production. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 1145-1153.	3.8	95
39	An efficient antibacterial multi-scale web of carbon fibers with asymmetrically dispersed Ag-Cu bimetal nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 443, 311-319.	2.3	33
40	Multi-scale carbon micro/nanofibers-based adsorbents for protein immobilization. <i>Materials Science and Engineering C</i> , 2014, 38, 46-54.	3.8	31
41	Cytotoxic Evaluation of the Hierarchical Web of Carbon Micronanofibers. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 4672-4682.	1.8	54
42	Preparation of surfactant-mediated silver and copper nanoparticles dispersed in hierarchical carbon micro-nanofibers for antibacterial applications. <i>New Biotechnology</i> , 2013, 30, 656-665.	2.4	73
43	Effect of packaging materials and temperatures on vitamin A and C of flavored aloe vera juice. <i>Mediterranean Journal of Nutrition and Metabolism</i> , 2012, 5, 113-117.	0.2	1
44	Fe-nanoparticles dispersed carbon micro and nanofibers: Surfactant-mediated preparation and application to the removal of gaseous VOCs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 399, 46-55.	2.3	57
45	Monitoring the pollution of river Ganga by tanneries using the multiband ground truth radiometer. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 1998, 53, 204-216.	4.9	11