

Krishna Kumar Yadav

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4420335/publications.pdf>

Version: 2024-02-01

90
papers

5,583
citations

117453

34
h-index

88477

70
g-index

95
all docs

95
docs citations

95
times ranked

4507
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of different SnO ₂ nanorods for enhanced photocatalytic degradation and antibacterial activity. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71574-71584.	2.7	9
2	Transformation of hazardous sacred incense sticks ash waste into less toxic product by sequential approach prior to their disposal into the water bodies. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71766-71778.	2.7	13
3	Molecular insights into plant-microbe interactions for sustainable remediation of contaminated environment. <i>Bioresource Technology</i> , 2022, 344, 126246.	4.8	47
4	An assessment of micro- and nanoplastics in the biosphere: A review of detection, monitoring, and remediation technology. <i>Chemical Engineering Journal</i> , 2022, 430, 132913.	6.6	42
5	Recovery of iron nanominerals from sacred incense sticks ash waste collected from temples by wet and dry magnetic separation method. <i>Environmental Technology and Innovation</i> , 2022, 25, 102150.	3.0	11
6	Dark fermentative biohydrogen production from vinicultural biomass without exogenous inoculum in a semi-batch reactor: A kinetic study. <i>Journal of Environmental Management</i> , 2022, 305, 114393.	3.8	3
7	Recent Advances in Synthesis and Degradation of Lignin and Lignin Nanoparticles and Their Emerging Applications in Nanotechnology. <i>Materials</i> , 2022, 15, 953.	1.3	39
8	Emerging approaches in lignocellulosic biomass pretreatment and anaerobic bioprocesses for sustainable biofuels production. <i>Journal of Cleaner Production</i> , 2022, 333, 130180.	4.6	67
9	Sensing beyond Senses: An Overview of Outstanding Strides in Architecting Nanopolymer-Enabled Sensors for Biomedical Applications. <i>Polymers</i> , 2022, 14, 601.	2.0	4
10	Recent Trends in Fascinating Applications of Nanotechnology in Allied Health Sciences. <i>Crystals</i> , 2022, 12, 39.	1.0	33
11	Modified 7-Chloro-11H-indeno[1,2-b]quinoxaline Heterocyclic System for Biological Activities. <i>Catalysts</i> , 2022, 12, 213.	1.6	9
12	Investigation of Heavy Metal Accumulation in Vegetables and Health Risk to Humans From Their Consumption. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	31
13	Onion Peel Waste Mediated-Green Synthesis of Zinc Oxide Nanoparticles and Their Phytotoxicity on Mung Bean and Wheat Plant Growth. <i>Materials</i> , 2022, 15, 2393.	1.3	34
14	Utilization of Incense Stick Ash in Hydrometallurgy Methods for Extracting Oxides of Fe, Al, Si, and Ca. <i>Materials</i> , 2022, 15, 1879.	1.3	9
15	Multitask Quantum Study of the Curcumin-Based Complex Physicochemical and Biological Properties. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2832.	1.8	3
16	A comprehensive review on the effects of engineered nanoparticles on microalgal treatment of pollutants from wastewater. <i>Journal of Cleaner Production</i> , 2022, 344, 131121.	4.6	21
17	2D Personality of Multifunctional Carbon Nitrides towards Enhanced Catalytic Performance in Energy Storage and Remediation. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3753.	1.3	6
18	Integrated hydrothermal and deep eutectic solvent-mediated fractionation of lignocellulosic biocomponents for enhanced accessibility and efficient conversion in anaerobic digestion. <i>Bioresource Technology</i> , 2022, 351, 127034.	4.8	34

#	ARTICLE	IF	CITATIONS
19	Appraisal of probabilistic levels of toxic metals and health risk in cultivated and marketed vegetables in urban and peri-urban areas of Delhi, India. <i>Environmental Toxicology and Pharmacology</i> , 2022, 92, 103863.	2.0	6
20	Modeling of Textile Dye Removal from Wastewater Using Innovative Oxidation Technologies (Fe(II)/Chlorine and H ₂ O ₂ /Periodate Processes): Artificial Neural Network-Particle Swarm Optimization Hybrid Model. <i>ACS Omega</i> , 2022, 7, 13818-13825.	1.6	16
21	An Overview on Environmental Degradation and Mitigation. <i>Water Science and Technology Library</i> , 2022, , 3-15.	0.2	1
22	Enhanced Plasmon Based Ag and Au Nanosystems and Their Improved Biomedical Impacts. <i>Crystals</i> , 2022, 12, 589.	1.0	4
23	Health and Environmental Risks of Incense Smoke: Mechanistic Insights and Cumulative Evidence. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 2665-2693.	1.6	19
24	Corrosion protection performance of silicon-based coatings on carbon steel in NaCl solution: a theoretical and experimental assessment of the effect of plasma-enhanced chemical vapor deposition pretreatment. <i>RSC Advances</i> , 2022, 12, 15601-15612.	1.7	14
25	Nanostructured Antibiotics and Their Emerging Medicinal Applications: An Overview of Nanoantibiotics. <i>Antibiotics</i> , 2022, 11, 708.	1.5	28
26	Recent and Emerging Trends in Remediation of Methylene Blue Dye from Wastewater by Using Zinc Oxide Nanoparticles. <i>Water (Switzerland)</i> , 2022, 14, 1749.	1.2	29
27	The Removal of a Textile Dye from an Aqueous Solution Using a Biocomposite Adsorbent. <i>Polymers</i> , 2022, 14, 2396.	2.0	19
28	Emerging Trends in the Remediation of Persistent Organic Pollutants Using Nanomaterials and Related Processes: A Review. <i>Nanomaterials</i> , 2022, 12, 2148.	1.9	34
29	Evaluating heavy metals contamination in soil and vegetables in the region of North India: Levels, transfer and potential human health risk analysis. <i>Environmental Toxicology and Pharmacology</i> , 2021, 82, 103563.	2.0	89
30	Excellent hydrogen generation from ultrathin nanosheets of cobalt cyclotetraphosphate. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 265, 114983.	1.7	7
31	Mechanistic overview of metal tolerance in edible plants: A physiological and molecular perspective. , 2021, , 23-47.		8
32	Removal of Cadmium and Chromium by Mixture of Silver Nanoparticles and Nano-Fibrillated Cellulose Isolated from Waste Peels of Citrus Sinensis. <i>Polymers</i> , 2021, 13, 234.	2.0	48
33	Recent Advances in Methods for the Recovery of Carbon Nanominerals and Polyaromatic Hydrocarbons from Coal Fly Ash and Their Emerging Applications. <i>Crystals</i> , 2021, 11, 88.	1.0	24
34	Variations and similarities in structural, chemical, and elemental properties on the ashes derived from the coal due to their combustion in open and controlled manner. <i>Environmental Science and Pollution Research</i> , 2021, 28, 32609-32625.	2.7	31
35	A GIS-based tool for the analysis of the distribution and abundance of <i>Chilo sacchariphagus indicus</i> under the influence of biotic and abiotic factors. <i>Environmental Technology and Innovation</i> , 2021, 21, 101357.	3.0	4
36	An experimental investigation on phytoremediation performance of water lettuce (<i>Pistia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td 93, 1543-1553.	1.3	21

#	ARTICLE	IF	CITATIONS
37	Agro-Nanotechnology as an Emerging Field: A Novel Sustainable Approach for Improving Plant Growth by Reducing Biotic Stress. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2282.	1.3	56
38	Conversion of waste frying oil into biodiesel using recoverable nanocatalyst based on magnetic graphene oxide supported ternary mixed metal oxide nanoparticles. <i>Bioresource Technology</i> , 2021, 323, 124561.	4.8	38
39	Chromium contamination and effect on environmental health and its remediation: A sustainable approaches. <i>Journal of Environmental Management</i> , 2021, 285, 112174.	3.8	256
40	The Processing of Calcium Rich Agricultural and Industrial Waste for Recovery of Calcium Carbonate and Calcium Oxide and Their Application for Environmental Cleanup: A Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4212.	1.3	40
41	Recent Advances on Properties and Utility of Nanomaterials Generated from Industrial and Biological Activities. <i>Crystals</i> , 2021, 11, 634.	1.0	13
42	Surface phosphorization of nickel oxalate nanosheets to stabilize ultrathin nickel cyclotetraphosphate nanosheets for efficient hydrogen generation. <i>Materials Research Bulletin</i> , 2021, 139, 111275.	2.7	3
43	Phytoremediation of dairy wastewater using <i>Azolla pinnata</i> : Application of image processing technique for leaflet growth simulation. <i>Journal of Water Process Engineering</i> , 2021, 42, 102152.	2.6	25
44	An overview of silver nano-particles as promising materials for water disinfection. <i>Environmental Technology and Innovation</i> , 2021, 23, 101721.	3.0	51
45	An overview of greenhouse gases emissions in Hungary. <i>Journal of Cleaner Production</i> , 2021, 314, 127865.	4.6	37
46	Advances in the Methods for the Synthesis of Carbon Dots and Their Emerging Applications. <i>Polymers</i> , 2021, 13, 3190.	2.0	56
47	The concentration of aflatoxin M1 in raw and pasteurized milk: A worldwide systematic review and meta-analysis. <i>Trends in Food Science and Technology</i> , 2021, 115, 22-30.	7.8	24
48	Seaweed-Based Molecules and Their Potential Biological Activities: An Eco-Sustainable Cosmetics. <i>Molecules</i> , 2021, 26, 5313.	1.7	49
49	Monitoring the presence and persistence of SARS-CoV-2 in water-food-environmental compartments: State of the knowledge and research needs. <i>Environmental Research</i> , 2021, 200, 111373.	3.7	24
50	Recent Advances in Methods for Recovery of Cenospheres from Fly Ash and Their Emerging Applications in Ceramics, Composites, Polymers and Environmental Cleanup. <i>Crystals</i> , 2021, 11, 1067.	1.0	19
51	Understanding the impacts of the COVID-19 pandemic on sustainable agri-food system and agroecosystem decarbonization nexus: A review. <i>Journal of Cleaner Production</i> , 2021, 318, 128451.	4.6	40
52	Evaluating the geochemistry of groundwater contamination with iron and manganese and probabilistic human health risk assessment in endemic areas of the world's largest River Island, India. <i>Environmental Toxicology and Pharmacology</i> , 2021, 87, 103690.	2.0	37
53	Microporous metal-organic frameworks against endocrine-disruptor bisphenol A: parametric evaluation and optimization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127039.	2.3	17
54	Lanthanum phosphate foam as novel heterogeneous nanocatalyst for biodiesel production from waste cooking oil. <i>Renewable Energy</i> , 2021, 176, 228-236.	4.3	41

#	ARTICLE	IF	CITATIONS
55	Recent advances on the removal of phosphorus in aquatic plant-based systems. <i>Environmental Technology and Innovation</i> , 2021, 24, 101933.	3.0	28
56	Appraisal of contamination of heavy metals and health risk in agricultural soil of Jhansi city, India. <i>Environmental Toxicology and Pharmacology</i> , 2021, 88, 103740.	2.0	33
57	Mycro-remediation: A mechanistic understanding of contaminants alleviation from natural environment and future prospect. <i>Chemosphere</i> , 2021, 284, 131325.	4.2	54
58	Enriched Catalytic Activity of TiO ₂ Nanoparticles Supported by Activated Carbon for Noxious Pollutant Elimination. <i>Nanomaterials</i> , 2021, 11, 2808.	1.9	25
59	Extraction of Value-Added Minerals from Various Agricultural, Industrial and Domestic Wastes. <i>Materials</i> , 2021, 14, 6333.	1.3	17
60	A Short Review on the Utilization of Incense Sticks Ash as an Emerging and Overlooked Material for the Synthesis of Zeolites. <i>Crystals</i> , 2021, 11, 1255.	1.0	13
61	DFT/molecular scale, MD simulation and assessment of the eco-friendly anti-corrosion performance of a novel Schiff base on XC38 carbon steel in acidic medium. <i>Journal of Molecular Liquids</i> , 2021, 344, 117874.	2.3	24
62	Review on Evaluation of Renewable Bioenergy Potential for Sustainable Development: Bright Future in Energy Practice in India. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16007-16030.	3.2	29
63	Application of Green Synthesized MMT/Ag Nanocomposite for Removal of Methylene Blue from Aqueous Solution. <i>Water (Switzerland)</i> , 2021, 13, 3206.	1.2	23
64	Characterization of Fatty Acids, Polysaccharides, Amino Acids, and Minerals in Marine Macroalga <i>Chaetomorpha crassa</i> and Evaluation of Their Potentials in Skin Cosmetics. <i>Molecules</i> , 2021, 26, 7515.	1.7	16
65	Impacts of Land Use Change on Water Quality Index in the Upper Ganges River near Haridwar, Uttarakhand: A GIS-Based Analysis. <i>Water (Switzerland)</i> , 2021, 13, 3572.	1.2	13
66	Screening and evaluation of cellulytic fungal strains for saccharification and bioethanol production from rice residue. <i>Energy</i> , 2020, 190, 116422.	4.5	41
67	A novel synthesis and characterization of polyhedral shaped amorphous iron oxide nanoparticles from incense sticks ash waste. <i>Environmental Technology and Innovation</i> , 2020, 20, 101089.	3.0	35
68	A review on municipal solid waste as a renewable source for waste-to-energy project in India: Current practices, challenges, and future opportunities. <i>Journal of Cleaner Production</i> , 2020, 277, 123227.	4.6	176
69	Synthesis and Characterization of Amorphous Iron Oxide Nanoparticles by the Sonochemical Method and Their Application for the Remediation of Heavy Metals from Wastewater. <i>Nanomaterials</i> , 2020, 10, 1551.	1.9	81
70	Application of response surface method for Total organic carbon reduction in leachate treatment using Fenton process. <i>Environmental Technology and Innovation</i> , 2020, 19, 101009.	3.0	25
71	Lead Toxicity: Health Hazards, Influence on Food Chain, and Sustainable Remediation Approaches. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2179.	1.2	454
72	Recent Development in Bioremediation of Soil Pollutants Through Biochar for Environmental Sustainability. , 2020, , 123-140.		14

#	ARTICLE	IF	CITATIONS
73	Improved production of lipid contents by cultivating <i>Chlorella pyrenoidosa</i> in heterogeneous organic substrates. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 1969-1978.	2.1	58
74	Review on transesterification of non-edible sources for biodiesel production with a focus on economic aspects, fuel properties and by-product applications. <i>Energy Conversion and Management</i> , 2019, 201, 112155.	4.4	246
75	Hazardous heavy metals contamination of vegetables and food chain: Role of sustainable remediation approaches - A review. <i>Environmental Research</i> , 2019, 179, 108792.	3.7	309
76	Fluoride contamination, health problems and remediation methods in Asian groundwater: A comprehensive review. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109362.	2.9	250
77	Bioaccumulation and potential sources of heavy metal contamination in fish species in River Ganga basin: Possible human health risks evaluation. <i>Toxicology Reports</i> , 2019, 6, 472-481.	1.6	179
78	Human health risk assessment: Study of a population exposed to fluoride through groundwater of Agra city, India. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 106, 68-80.	1.3	85
79	Preparation, and structural of new NiS-SiO ₂ and Cr ₂ S ₃ -TiO ₂ nano-catalyst: Photocatalytic and antimicrobial studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 194, 128-134.	1.7	54
80	Haematological and histological changes in fish <i>Heteropneustes fossilis</i> exposed to pesticides from industrial waste water. <i>Human and Ecological Risk Assessment (HERA)</i> , 2019, 25, 1251-1278.	1.7	32
81	Utilization of Air Pollutants by Plants: Need for Present and Future Scrutiny. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 2741-2742.	2.4	10
82	Trace elements in soil-vegetables interface: Translocation, bioaccumulation, toxicity and amelioration - A review. <i>Science of the Total Environment</i> , 2019, 651, 2927-2942.	3.9	253
83	Fungal Phytoremediation of Heavy Metal-Contaminated Resources: Current Scenario and Future Prospects. <i>Fungal Biology</i> , 2019, , 437-461.	0.3	50
84	A review of emerging adsorbents and current demand for defluoridation of water: Bright future in water sustainability. <i>Environment International</i> , 2018, 111, 80-108.	4.8	180
85	Nano-phytoremediation of Pollutants from Contaminated Soil Environment: Current Scenario and Future Prospects. , 2018, , 383-401.		38
86	Microplastics pollution in different aquatic environments and biota: A review of recent studies. <i>Marine Pollution Bulletin</i> , 2018, 133, 191-208.	2.3	441
87	Mechanistic understanding and holistic approach of phytoremediation: A review on application and future prospects. <i>Ecological Engineering</i> , 2018, 120, 274-298.	1.6	275
88	GIS-based evaluation of groundwater geochemistry and statistical determination of the fate of contaminants in shallow aquifers from different functional areas of Agra city, India: levels and spatial distributions. <i>RSC Advances</i> , 2018, 8, 15876-15889.	1.7	89
89	Effect of Fly Ash Deposition on Biochemical Parameters of Different Crop Plants around Parichcha Thermal Power Plant, Jhansi, India. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2016, 5, 873-877.	0.0	1
90	A review on current status of municipal solid waste management in India. <i>Journal of Environmental Sciences</i> , 2015, 37, 206-217.	3.2	286