Pardeep K Singh

List of Publications by Year
in descending order

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88 papers	2,638 citations	201658 27 h-index	223791 46 g-index
118 all docs	118 docs citations	118 times ranked	2467 citing authors

#	Article	IF	Citations
1	A review of textile industry: Wet processing, environmental impacts, and effluent treatment methods. Environmental Quality Management, 2018, 27, 31-41.	1.9	230
2	Environmental and health impacts of contaminants of emerging concerns: Recent treatment challenges and approaches. Chemosphere, 2021, 272, 129492.	8.2	129
3	Adsorptional photocatalytic mineralization of oxytetracycline and ampicillin antibiotics using Bi2O3/BiOCl supported on graphene sand composite and chitosan. Journal of Colloid and Interface Science, 2016, 479, 271-283.	9.4	127
4	Tailoring cadmium sulfide-based photocatalytic nanomaterials for water decontamination: a review. Environmental Chemistry Letters, 2021, 19, 271-306.	16.2	124
5	Multifaceted application of crop residue biochar as a tool for sustainable agriculture: An ecological perspective. Ecological Engineering, 2015, 77, 324-347.	3.6	117
6	Photocatalytic mineralization and degradation kinetics of ampicillin and oxytetracycline antibiotics using graphene sand composite and chitosan supported BiOCl. Journal of Molecular Catalysis A, 2016, 423, 400-413.	4.8	115
7	A review on biodegradation and photocatalytic degradation of organic pollutants: A bibliometric and comparative analysis. Journal of Cleaner Production, 2018, 196, 1669-1680.	9.3	114
8	Current and emerging trends in bioremediation of petrochemical waste: A review. Critical Reviews in Environmental Science and Technology, 2017, 47, 155-201.	12.8	87
9	Geochemical assessment of groundwater quality for its suitability for drinking and irrigation purpose in rural areas of Sant Ravidas Nagar (Bhadohi), Uttar Pradesh. , 2018, 2, 127-136.		87
10	Water Pollutants: Sources and Impact on the Environment and Human Health. Advanced Functional Materials and Sensors, 2020, , 43-62.	1.2	75
11	Biodegradation of thermally treated high-density polyethylene (HDPE) by Klebsiella pneumoniae CH001. 3 Biotech, 2017, 7, 332.	2.2	72
12	Application of Cellulases in Biofuels Industries: An Overview. Journal of Biofuels and Bioenergy, 2015, 1, 55.	0.4	54
13	Photocatalytic degradation of Acid Red dye stuff in the presence of activated carbon-TiO2 composite and its kinetic enumeration. Journal of Water Process Engineering, 2016, 12, 20-31.	5.6	52
14	Relative availability of inorganic N-pools shifts under land use change: An unexplored variable in soil carbon dynamics. Ecological Indicators, 2016, 64, 228-236.	6.3	50
15	Impact of sole and combined application of biochar, organic and chemical fertilizers on wheat crop yield and water productivity in a dry tropical agro-ecosystem. Biochar, 2019, 1, 229-235.	12.6	50
16	Effect of nanoscale TiO2-activated carbon composite on Solanum lycopersicum (L.) and Vigna radiata (L.) seeds germination. Energy, Ecology and Environment, 2016, 1, 131-140.	3.9	49
17	Emerging trends in photodegradation of petrochemical wastes: a review. Environmental Science and Pollution Research, 2016, 23, 22340-22364.	5.3	47
18	Nanomaterials for biofuel production using lignocellulosic waste. Environmental Chemistry Letters, 2017, 15, 179-184.	16.2	46

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19	Assessment of groundwater quality with special emphasis on nitrate contamination in parts of Varanasi City, Uttar Pradesh, India. Applied Water Science, 2018, 8, 1.	5.6	45
20	Impact of rice-husk ash on the soil biophysical and agronomic parameters of wheat crop under a dry tropical ecosystem. Ecological Indicators, 2019, 105, 505-515.	6.3	41
21	ZnS-based quantum dots as photocatalysts for water purification. Journal of Water Process Engineering, 2021, 43, 102217.	5.6	41
22	A review on bioactive phytochemicals and ethnopharmacological potential of purslane (Portulaca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.2	37
23	Phenolic compounds degradation: Insight into the role and evidence of oxygen vacancy defects engineering on nanomaterials. Science of the Total Environment, 2021, 800, 149410.	8.0	36
24	Graphitic carbon nitride based immobilized and non-immobilized floating photocatalysts for environmental remediation. Chemosphere, 2022, 297, 134229.	8.2	35
25	A critical review on the research trends and emerging technologies for arsenic decontamination from water. Groundwater for Sustainable Development, 2021, 14, 100607.	4.6	33
26	An overview on cellulose-supported semiconductor photocatalysts for water purification. Nanotechnology for Environmental Engineering, 2021, 6, 1.	3.3	32
27	Organic amendment impact on SOC dynamics in dry tropics: A possible role of relative availability of inorganic-N pools. Agriculture, Ecosystems and Environment, 2016, 235, 38-50.	5.3	29
28	Production and Optimization of Physicochemical Parameters of Cellulase Using Untreated Orange Waste by Newly Isolated Emericella variecolor NS3. Applied Biochemistry and Biotechnology, 2017, 183, 601-612.	2.9	29
29	Copper sulfides based photocatalysts for degradation of environmental pollution hazards: A review on the recent catalyst design concepts and future perspectives. Surfaces and Interfaces, 2022, 33, 102182.	3.0	29
30	Degradations of endocrine-disrupting chemicals and pharmaceutical compounds in wastewater with carbon-based nanomaterials: a critical review. Environmental Science and Pollution Research, 2021, 28, 30573-30594.	5.3	28
31	The journey from products to waste: a pilot study on perception and discarding of electronic waste in contemporary urban India. Environmental Science and Pollution Research, 2021, 28, 24511-24520.	5.3	26
32	Researches on informal E-waste recycling sector: Itâ€™s time for a â€˜Lab to Landâ€™ approach. Journal of Hazardous Materials, 2017, 323, 730-732.	12.4	25
33	Herbaceous species diversity and soil attributes along a forest-savanna-grassland continuum in a dry tropical region. Ecological Engineering, 2017, 103, 226-235.	3.6	24
34	Role of Traditional Ethnobotanical Knowledge and Indigenous Communities in Achieving Sustainable Development Goals. Sustainability, 2021, 13, 3062.	3.2	24
35	Comparative study of dye degradation using TiO₂-activated carbon nanocomposites as catalysts in photocatalytic, sonocatalytic, and photosonocatalytic reactor. Desalination and Water Treatment, 2016, 57, 20552-20564.	1.0	22
36	Composite ceria nanofiber with different copper loading using electrospinning method. Journal of Alloys and Compounds, 2017, 694, 10-16.	5.5	22

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37	Soil Carbon Dynamics Under Changing Climateâ€"A Research Transition from Absolute to Relative Roles of Inorganic Nitrogen Pools and Associated Microbial Processes: A Review. Pedosphere, 2017, 27, 792-806.	4.0	20
38	Photo-catalytic degradation of methyl tertiary butyl ether from wastewater using CuO/CeO2 composite nanofiber catalyst. Journal of Environmental Chemical Engineering, 2018, 6, 2577-2587.	6.7	20
39	Bioremediation. , 2020, , 1-23.		20
40	Types of Water Pollutants: Conventional and Emerging. Advanced Functional Materials and Sensors, 2020, , 21-41.	1.2	20
41	Nanofiltration technology for removal of pathogens present in drinking water. , 2020, , 463-489.		19
42	Exploring temple floral refuse for biochar production as a closed loop perspective for environmental management. Waste Management, 2018, 77, 78-86.	7.4	17
43	Sustainable approach of batch and continuous biosorptive systems for praseodymium and thulium ions removal in mono and binary aqueous solutions. Environmental Technology and Innovation, 2021, 23, 101581.	6.1	17
44	An environmental approach for the photodegradation of toxic pollutants from wastewater using silver nanoparticles decorated titania-reduced graphene oxide. Journal of Environmental Chemical Engineering, 2021, 9, 105622.	6.7	15
45	Arsenic removal from synthetic waste water by CuO nano-flakes synthesized by aqueous precipitation method. , 0, 62, 355-359.		15
46	Biological degradation of toluene by indigenous bacteria Acinetobacter junii CH005 isolated from petroleum contaminated sites in India. Energy, Ecology and Environment, 2018, 3, 162-170.	3.9	14
47	Assessment of ground and surface water quality along the river Varuna, Varanasi, India. Environmental Monitoring and Assessment, 2015, 187, 170.	2.7	13
48	Geochemical assessment of groundwater quality in Keonjhar City, Odisha, India. Sustainable Water Resources Management, 2020, 6, 1.	2.1	12
49	Agriculture in the Era of Climate Change: Consequences and Effects. , 2019, , 1-23.		11
50	Urban ecology â€“ current state of research and concepts. , 2020, , 3-16.		10
51	Seed priming: state of the art and new perspectives in the era of climate change. , 2020, , 143-170.		10
52	Photocatalytic degradation of triclosan in visible-light-induced via CdS@TiO₂-rGO nanocomposite. Surface Topography: Metrology and Properties, 2021, 9, 035032.	1.6	10
53	Human Overpopulation and Food Security. , 2019, , 439-467.		10
54	Indiaâ€™s lost rivers and rivulets. Energy, Ecology and Environment, 2016, 1, 310-314.	3.9	9

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55	Synthesis and characterization of bio-composite nanofiber for controlled drug release. Journal of Environmental Chemical Engineering, 2017, 5, 5843-5849.	6.7	9
56	Medicinal Plants Under Climate Change: Impacts on Pharmaceutical Properties of Plants. , 2019, , 181-209.		8
57	Nanocatalyst types and their potential impacts in agroecosystems: An overview. , 2020, , 323-344.		8
58	Improvement of a Traditional Orphan Food Crop, Portulaca oleracea L. (Purslane) Using Genomics for Sustainable Food Security and Climate-Resilient Agriculture. Frontiers in Sustainable Food Systems, 2021, 5, .	3.9	8
59	Analysis of nutritional and antioxidant potential of three traditional leafy vegetables for food security and human wellbeing. South African Journal of Botany, 2022, 145, 99-110.	2.5	8
60	Recent progress on elemental sulfur based photocatalysts for energy and environmental applications. Chemosphere, 2022, 305, 135477.	8.2	8
61	Cadmium removal by composite copper oxide/ceria adsorbent from synthetic wastewater. Biomass Conversion and Biorefinery, 2023, 13, 7633-7642.	4.6	7
62	Indigenous knowledge systems in sustainable water conservation and management. , 2020, , 321-328.		6
63	Nanoparticles for Biofuels Production from Lignocellulosic Waste. Sustainable Agriculture Reviews, 2017, , 263-278.	1.1	6
64	Understanding consumersâ€™ perspectives of electronic waste in an emerging economy: a case study of New Delhi, India. Energy, Ecology and Environment, 2022, 7, 199-212.	3.9	6
65	Critical assessment and future dimensions for the urban ecological systems. , 2020, , 479-497.		5
66	Antibiotics and Antibiotic Resistance Genes in Agroecosystems as Emerging Contaminants. Sustainable Agriculture Reviews, 2021, , 177-210.	1.1	5
67	Application of nanoparticles for inorganic water purification. , 2020, , 221-243.		4
68	Impact of climate change on wetlands, concerning Son Beel, the largest wetland of North East, India. , 2021, , 393-414.		4
69	Synthesis and Characterization of Cu/CeO₂ Composite Nanofibers by Electrospinning Method. Advanced Science Letters, 2014, 20, 1582-1584.	0.2	4
70	Human Overpopulation and Food Security. Advances in Environmental Engineering and Green Technologies Book Series, 2017, , 12-39.	0.4	4
71	Inventorization of E-waste and Its Disposal Practices With Benchmarks for Depollution: The Global Scenario. , 2019, , 35-52.		3
72	Mapping the emergence of research activities on E-waste: a scientometric analysis and an in-depth review. , 2020, , 191-206.		3

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73	Exploring soil responses to various organic amendments under dry tropical agroecosystems. , 2020, , 583-611.		3
74	Climate change and its impact on natural resources. , 2021, , 333-346.		3
75	Mapping the research activities in environmental health and toxicology: a review of the trends, gaps and opportunities. Energy, Ecology and Environment, 2019, 4, 133-142.	3.9	2
76	Rhizome Endophytes: Roles and Applications in Sustainable Agriculture. , 2019, , 405-421.		2
77	Photocatalytic degradation of petrochemical pollutants. , 2020, , 127-141.		2
78	Biostimulant applications in crops under abiotic stress conditions. , 2021, , 253-266.		2
79	Enhanced H2 and Reduced CO Level by Use of Electrospun CuO/CeO2 Nanofibers Catalyst for Water Gas Shift Reaction. Advanced Science Letters, 2016, 22, 967-970.	0.2	2
80	Physical and Biological Processes Controlling Soil C Dynamics. Sustainable Agriculture Reviews, 2018, , 171-202.	1.1	1
81	Recycling Approaches, Policies and Regulations on Electronic Waste With Special Focus on India. , 2020, , 508-513.		1
82	Recycling of E-Waste. , 2020, , 527-534.		1
83	Sustainability scienceâ€"below and above the ground as per the United Nationâ€™s sustainable development goals. , 2020, , 453-471.		1
84	Indigenous Agricultural Knowledge Towards Achieving Sustainable Agriculture. Sustainable Agriculture Reviews, 2021, , 401-413.	1.1	1
85	Challenges and opportunities at the crossroads of Environmental Sustainability and Economy research. , 2021, , 345-360.		1
86	Introduction: Role of Materials in Sensors for Water Pollutants Monitoring. Advanced Functional Materials and Sensors, 2020, , 1-3.	1.2	1
87	Engineered Nanoparticles in Smart Agricultural Revolution: An Enticing Domain to Move Carefully. Advances in Science, Technology and Innovation, 2021, , 3-18.	0.4	0
88	Improved production of thermo-alkali-tolerant fungal cellulolytic cocktail following Co-fermentation of sugarcane bagasse and secondary sewage sludge. Biomass Conversion and Biorefinery, 2024, 14, 6849-6854.	4.6	0