Arun Lal Srivastav

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7294882/publications.pdf

Version: 2024-02-01

43 papers	1,745 citations	471061 17 h-index	377514 34 g-index
47 all docs	47 docs citations	47 times ranked	1436 citing authors

#	Article	IF	Citations
1	An extensive review on the consequences of chemical pesticides on human health and environment. Journal of Cleaner Production, 2021, 283, 124657.	4.6	523
2	Disinfection by-products in drinking water: Occurrence, toxicity and abatement. Environmental Pollution, 2020, 267, 115474.	3.7	149
3	A Review on Heavy Metal Concentration in Potable Water Sources in Nigeria: Human Health Effects and Mitigating Measures. Exposure and Health, 2016, 8, 285-304.	2.8	148
4	Application of a new adsorbent for fluoride removal from aqueous solutions. Journal of Hazardous Materials, 2013, 263, 342-352.	6.5	99
5	Phytoremediation of toxic metals present in soil and water environment: a critical review. Environmental Science and Pollution Research, 2020, 27, 44835-44860.	2.7	89
6	A critical review on recent developments in MOF adsorbents for the elimination of toxic heavy metals from aqueous solutions. Environmental Science and Pollution Research, 2020, 27, 44771-44796.	2.7	83
7	Climate-resilient strategies for sustainable management of water resources and agriculture. Environmental Science and Pollution Research, 2021, 28, 41576-41595.	2.7	78
8	Chemical fertilizers and pesticides: role in groundwater contamination. , 2020, , 143-159.		74
9	Hyperspectral Sensing for Turbid Water Quality Monitoring in Freshwater Rivers: Empirical Relationship between Reflectance and Turbidity and Total Solids. Sensors, 2014, 14, 22670-22688.	2.1	54
10	Kinetic and equilibrium modeling for removal of nitrate from aqueous solutions and drinking water by a potential adsorbent, hydrous bismuth oxide. RSC Advances, 2015, 5, 35365-35376.	1.7	51
11	An overview of silver nano-particles as promising materials for water disinfection. Environmental Technology and Innovation, 2021, 23, 101721.	3.0	51
12	Biochar Adsorbents for Arsenic Removal from Water Environment: A Review. Bulletin of Environmental Contamination and Toxicology, 2022, 108, 616-628.	1.3	35
13	A review of bismuth-based sorptive materials for the removal of major contaminants from drinking water. Environmental Science and Pollution Research, 2020, 27, 17492-17504.	2.7	28
14	Biodegradation of 4-chlorophenol in batch and continuous packed bed reactor by isolated Bacillus subtilis. Journal of Environmental Management, 2022, 301, 113851.	3.8	28
15	Facile Synthesis and Characterization of N-Doped TiO₂Photocatalyst and Its Visible-Light Activity for Photo-Oxidation of Ethylene. Journal of Nanomaterials, 2015, 2015, 1-10.	1.5	27
16	Bioremediation: An effective approach of mercury removal from the aqueous solutions. Chemosphere, 2021, 280, 130654.	4.2	27
17	An endeavor to achieve sustainable development goals through floral waste management: A short review. Journal of Cleaner Production, 2021, 283, 124669.	4.6	23
18	Novel Adsorbent Hydrous Bismuth Oxide for the Removal of Nitrate from Aqueous Solutions. Journal of Hazardous, Toxic, and Radioactive Waste, 2015, 19, .	1.2	18

#	Article	IF	Citations
19	Developing a new approach for design support of subsurface constructed wetland using machine learning algorithms. Journal of Environmental Management, 2022, 301, 113868.	3.8	17
20	Effect of oxygen, moisture, and temperature on the photo oxidation of ethylene on N-doped TiO2 catalyst. Separation and Purification Technology, 2014, 134, 117-125.	3.9	15
21	Preparation and properties of hydrous bismuth oxides for nitrate removal from aqueous solutions. Desalination and Water Treatment, 2012, 40, 144-152.	1.0	13
22	Synthesis of a novel adsorbent, hydrous bismuth oxide (HBO₂) for the removal of fluoride from aqueous solutions. Desalination and Water Treatment, 2015, 55, 604-614.	1.0	13
23	Scientific research production of India and China in environmental chemistry: a bibliometric assessment. International Journal of Environmental Science and Technology, 2019, 16, 4989-4996.	1.8	13
24	Removal of Disperse Orange and Disperse Blue dyes present in textile mill effluent using zeolite synthesized from cenospheres. Water Science and Technology, 2021, 84, 445-457.	1.2	12
25	Factors influencing the alteration of microbial and heavy metal characteristics of river systems in the Niger Delta region of Nigeria. , 2022, , 51-78.		12
26	Factors affecting the formation of disinfection by-products in drinking water: human health risk. , 2020, , 433-450.		11
27	Inorganic water pollutants. , 2020, , 1-15.		11
28	Impact of climate change on water resources, challenges and mitigation strategies to achieve sustainable development goals. Arabian Journal of Geosciences, 2022, 15, .	0.6	10
29	An overview for biomedical waste management during pandemic like COVID-19. International Journal of Environmental Science and Technology, 2023, 20, 8025-8040.	1.8	7
30	Chemical water contaminants: potential risk to human health and possible remediation. , 2021, , 157-172.		5
31	Adsorptive Properties of Cation Added Hydrous Bismuth Oxide on Nitrate Sorption. Journal of Water Chemistry and Technology, 2019, 41, 283-291.	0.2	3
32	Water quality assessment using synchrotronâ€based TXRF. Water Environment Research, 2022, 94, .	1.3	3
33	Recent advances in nanomaterial developments for efficient removal of Hg(II) from water. Environmental Science and Pollution Research, 2022, 29, 62851-62869.	2.7	3
34	Challenges of waste management in Delhi (India) and its scope of improvement to achieve cities sustainability in developing nations: A review. Cities, 2022, 121, 103480.	2.7	2
35	Application of Hydrous Bismuth Oxide for Arsenic Removal from Aqueous Solutions. Nature Environment and Pollution Technology, 2021, 20, 133-145.	0.2	1
36	Synchrotron Based TXRF for Assessment of Treated Wastewater. Nature Environment and Pollution Technology, 2021, 20, .	0.2	1

#	Article	IF	Citations
37	Advances of waste management practices in India and China along with bibliometric assessment of their research outcomes. Environmental Science and Pollution Research, 2021, 28, 66485-66495.	2.7	1
38	Potential of Biochar as Cost Effective Adsorbent in Removal of Heavy Metals Ions From Aqueous Phase: A Mini Review. Journal of Chemistry Environmental Sciences and Its Applications, 2019, 5, 29-34.	0.3	1
39	Classification of Existing Health Model of India at the End of the Twelfth Plan using Enhanced Decision Tree Algorithm. Pertanika Journal of Science and Technology, 2021, 29, .	0.3	1
40	The mechanistic route for the removal of heavy metals ions from water on nanoparticle incorporated biochar. AIP Conference Proceedings, 2021, , .	0.3	0
41	Biosurfactants as useful tools in bioremediation of contaminated soil and aquatic areas. , 2021, , 377-394.		0
42	Preparation and properties of hydrous bismuth oxides for nitrate removal from aqueous solutions. , 0, 40, 144-152.		0
43	Eco-management of Wastewater by ZESTP. Journal of Chemistry Environmental Sciences and Its Applications, 2018, 4, 51-57.	0.3	0