

Afzal Husain Khan

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,520
citations

361413

20
h-index

361022

35
g-index

41
all docs

41
docs citations

41
times ranked

1191
citing authors

#	ARTICLE	IF	CITATIONS
1	Chlorination disinfection by-products in municipal drinking water – A review. <i>Journal of Cleaner Production</i> , 2020, 273, 123159.	9.3	193
2	Occurrence, sources and conventional treatment techniques for various antibiotics present in hospital wastewaters: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 129, 115921.	11.4	172
3	Application of advanced oxidation processes followed by different treatment technologies for hospital wastewater treatment. <i>Journal of Cleaner Production</i> , 2020, 269, 122411.	9.3	140
4	Durability and strength characteristics of high-strength concrete incorporated with volcanic pumice powder and polypropylene fibers. <i>Journal of Materials Research and Technology</i> , 2020, 9, 806-818.	5.8	104
5	Current solid waste management strategies and energy recovery in developing countries - State of art review. <i>Chemosphere</i> , 2022, 291, 133088.	8.2	85
6	Impact, disease outbreak and the eco-hazards associated with pharmaceutical residues: a Critical review. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 677-688.	3.5	57
7	Sustainable green nanoadsorbents for remediation of pharmaceuticals from water and wastewater: A critical review. <i>Environmental Research</i> , 2022, 204, 112243.	7.5	57
8	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.	2.5	56
9	Recent technologies for nutrient removal and recovery from wastewaters: A review. <i>Chemosphere</i> , 2021, 277, 130328.	8.2	56
10	Strength and flexural behavior of steel fiber and silica fume incorporated self-compacting concrete. <i>Journal of Materials Research and Technology</i> , 2021, 12, 1380-1390.	5.8	51
11	Municipal solid waste generation and the current state of waste-to-energy potential: State of art review. <i>Energy Conversion and Management</i> , 2022, 267, 115905.	9.2	50
12	COVID-19 transmission, vulnerability, persistence and nanotherapy: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 2773-2787.	16.2	43
13	Bioenergy: a foundation to environmental sustainability in a changing global climate scenario. <i>Journal of King Saud University - Science</i> , 2022, 34, 101734.	3.5	41
14	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.	2.5	40
15	New insights into the integrated application of Fenton-based oxidation processes for the treatment of pharmaceutical wastewater. <i>Journal of Water Process Engineering</i> , 2021, 44, 102440.	5.6	38
16	An overview of greenhouse gases emissions in Hungary. <i>Journal of Cleaner Production</i> , 2021, 314, 127865.	9.3	37
17	Effect of seasonal variation on the occurrences of high-risk pharmaceutical in drain-laden surface water: A risk analysis of Yamuna River. <i>Science of the Total Environment</i> , 2021, 794, 148484.	8.0	34
18	Evaluation of cost benefit analysis of municipal solid waste management systems. <i>Journal of King Saud University - Science</i> , 2022, 34, 101997.	3.5	30

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19	Upgrading combined anaerobic-aerobic UASB-FPU to UASB-DHS system: Cost comparison and performance perspective for developing countries. <i>Journal of Cleaner Production</i> , 2021, 284, 124723.	9.3	27
20	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.	7.5	24
21	Efficient removal of ibuprofen and ofloxacin pharmaceuticals using biofilm reactors for hospital wastewater treatment. <i>Chemosphere</i> , 2022, 298, 134243.	8.2	23
22	Energy generation and revenue potential from municipal solid waste using system dynamic approach. <i>Chemosphere</i> , 2022, 299, 134351.	8.2	22
23	Adsorption behaviour of green coffee residues for decolourization of hazardous congo red and eriochrome black T dyes from aqueous solutions. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 6405-6421.	3.3	21
24	Plastic waste management via thermochemical conversion of plastics into fuel: a review. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 1-20.	2.3	18
25	Pharmaceuticals of emerging concern in hospital wastewater: removal of Ibuprofen and Ofloxacin drugs using MBBR method. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 140-154.	3.3	14
26	Co-occurring indicator pathogens for SARS-CoV-2: A review with emphasis on exposure rates and treatment technologies. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 4, 100113.	6.1	14
27	Recent Advances on Properties and Utility of Nanomaterials Generated from Industrial and Biological Activities. <i>Crystals</i> , 2021, 11, 634.	2.2	13
28	Volcanic ashe and its NaOH modified adsorbent for superb cationic dye uptake from water: Statistical evaluation, optimization, and mechanistic studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 634, 127879.	4.7	12
29	Antifungal potential of <i>Colchicum luteum</i> and determination of colchicine content using HPLC for application as a fungicide. <i>Journal of King Saud University - Science</i> , 2022, 34, 101876.	3.5	9
30	Control of the workplace environment by physical factors and SMART monitoring. <i>Archives of Materials Science and Engineering</i> , 2020, 1, 18-29.	1.1	8
31	Effect of microwave power on morphology of AgO thin film grown using microwave plasma CVD. <i>International Journal of Surface Science and Engineering</i> , 2018, 12, 1.	0.4	6
32	2D and 3D mapping of traffic induced noise near major roads passing through densely populated residential area of South Delhi, India. <i>PLoS ONE</i> , 2021, 16, e0248939.	2.5	6
33	Seasonal characterization of municipal solid waste in the city of Jammu, India. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1058, 012061.	0.6	5
34	A comparative study between strength and durability of bentonite and natural gum stabilised sand. <i>Geomechanics and Geoengineering</i> , 2022, 17, 1722-1734.	1.8	4
35	Comparison among pharmaceutical wastewater treatment schemes for the removal of particular type of drugs and their residues. , 2021, , 271-303.		1
36	An experimental investigation of thermocol impregnated ferrocement panel as an alternate building material. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	1

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37	Effect of microwave power on morphology of AgO thin film grown using microwave plasma CVD. International Journal of Surface Science and Engineering, 2017, 11, 1.	0.4	0
38	Advances and Applications of Nanotechnology. , 2020, , 13-26.		0
39	Developed jet-centrifugal spray devices: experimental testing to establish the possibility of their application in plants spraying technologies. Journal of Achievements in Materials and Manufacturing Engineering, 2020, 1, 30-41.	0.6	0