

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	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
2	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
3	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
4	A comparative study between strength and durability of bentonite and natural gum stabilised sand. <i>Geomechanics and Geoenvironmental Engineering</i> , 2022, 17, 1722-1734.	1.8	4
5	Sustainable green nanoadsorbents for remediation of pharmaceuticals from water and wastewater: A critical review. <i>Environmental Research</i> , 2022, 204, 112243.	7.5	57
6	Current solid waste management strategies and energy recovery in developing countries - State of art review. <i>Chemosphere</i> , 2022, 291, 133088.	8.2	85
7	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
8	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
9	Antifungal potential of Colchicum luteum 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
10	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
11	Energy generation and revenue potential from municipal solid waste using system dynamic approach. <i>Chemosphere</i> , 2022, 299, 134351.	8.2	22
12	Efficient removal of ibuprofen and ofloxacin pharmaceuticals using biofilm reactors for hospital wastewater treatment. <i>Chemosphere</i> , 2022, 298, 134243.	8.2	23
13	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
14	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
15	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
16	Comparison among pharmaceutical wastewater treatment schemes for the removal of particular type of drugs and their residues. , 2021, , 271-303.		1
17	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
18	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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19	Agro-Nanotechnology as an Emerging Field: A Novel Sustainable Approach for Improving Plant Growth by Reducing Biotic Stress. Applied Sciences (Switzerland), 2021, 11, 2282.	2.5	56
20	2D and 3D mapping of traffic induced noise near major roads passing through densely populated residential area of South Delhi, India. PLoS ONE, 2021, 16, e0248939.	2.5	6
21	COVID-19 transmission, vulnerability, persistence and nanotherapy: a review. Environmental Chemistry Letters, 2021, 19, 2773-2787.	16.2	43
22	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. Applied Sciences (Switzerland), 2021, 11, 4212.	2.5	40
23	Strength and flexural behavior of steel fiber and silica fume incorporated self-compacting concrete. Journal of Materials Research and Technology, 2021, 12, 1380-1390.	5.8	51
24	Recent Advances on Properties and Utility of Nanomaterials Generated from Industrial and Biological Activities. Crystals, 2021, 11, 634.	2.2	13
25	Recent technologies for nutrient removal and recovery from wastewaters: A review. Chemosphere, 2021, 277, 130328.	8.2	56
26	An overview of greenhouse gases emissions in Hungary. Journal of Cleaner Production, 2021, 314, 127865.	9.3	37
27	Monitoring the presence and persistence of SARS-CoV-2 in water-food-environmental compartments: State of the knowledge and research needs. Environmental Research, 2021, 200, 111373.	7.5	24
28	Effect of seasonal variation on the occurrences of high-risk pharmaceutical in drain-laden surface water: A risk analysis of Yamuna River. Science of the Total Environment, 2021, 794, 148484.	8.0	34
29	Co-occurring indicator pathogens for SARS-CoV-2: A review with emphasis on exposure rates and treatment technologies. Case Studies in Chemical and Environmental Engineering, 2021, 4, 100113.	6.1	14
30	New insights into the integrated application of Fenton-based oxidation processes for the treatment of pharmaceutical wastewater. Journal of Water Process Engineering, 2021, 44, 102440.	5.6	38
31	Durability and strength characteristics of high-strength concrete incorporated with volcanic pumice powder and polypropylene fibers. Journal of Materials Research and Technology, 2020, 9, 806-818.	5.8	104
32	Chlorination disinfection by-products in municipal drinking water – A review. Journal of Cleaner Production, 2020, 273, 123159.	9.3	193
33	Application of advanced oxidation processes followed by different treatment technologies for hospital wastewater treatment. Journal of Cleaner Production, 2020, 269, 122411.	9.3	140
34	Occurrence, sources and conventional treatment techniques for various antibiotics present in hospital wastewaters: A critical review. TrAC - Trends in Analytical Chemistry, 2020, 129, 115921.	11.4	172
35	Control of the workplace environment by physical factors and SMART monitoring. Archives of Materials Science and Engineering, 2020, 1, 18-29.	1.1	8
36	Advances and Applications of Nanotechnology. , 2020, , 13-26.		0

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37	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
38	Effect of microwave power on morphology of AgO thin film grown using microwave plasma CVD. International Journal of Surface Science and Engineering, 2018, 12, 1.	0.4	6
39	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