

# Afzal Husain Khan

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,520  
citations

361296

20  
h-index

360920

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.	1.8	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.	1.8	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.	1.8	57
4	A comparative study between strength and durability of bentonite and natural gum stabilised sand. <i>Geomechanics and Geoengineering</i> , 2022, 17, 1722-1734.	0.9	4
5	Sustainable green nanoadsorbents for remediation of pharmaceuticals from water and wastewater: A critical review. <i>Environmental Research</i> , 2022, 204, 112243.	3.7	57
6	Current solid waste management strategies and energy recovery in developing countries - State of art review. <i>Chemosphere</i> , 2022, 291, 133088.	4.2	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.	2.3	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.	1.6	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.	1.6	9
10	Evaluation of cost benefit analysis of municipal solid waste management systems. <i>Journal of King Saud University - Science</i> , 2022, 34, 101997.	1.6	30
11	Energy generation and revenue potential from municipal solid waste using system dynamic approach. <i>Chemosphere</i> , 2022, 299, 134351.	4.2	22
12	Efficient removal of ibuprofen and ofloxacin pharmaceuticals using biofilm reactors for hospital wastewater treatment. <i>Chemosphere</i> , 2022, 298, 134243.	4.2	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.	4.4	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.	1.2	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.	4.6	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.	0.3	5
18	An experimental investigation of thermocol impregnated ferrocement panel as an alternate building material. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	1

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19	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
20	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.	1.1	6
21	COVID-19 transmission, vulnerability, persistence and nanotherapy: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 2773-2787.	8.3	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. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4212.	1.3	40
23	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.	2.6	51
24	Recent Advances on Properties and Utility of Nanomaterials Generated from Industrial and Biological Activities. <i>Crystals</i> , 2021, 11, 634.	1.0	13
25	Recent technologies for nutrient removal and recovery from wastewaters: A review. <i>Chemosphere</i> , 2021, 277, 130328.	4.2	56
26	An overview of greenhouse gases emissions in Hungary. <i>Journal of Cleaner Production</i> , 2021, 314, 127865.	4.6	37
27	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
28	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.	3.9	34
29	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.	2.9	14
30	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.	2.6	38
31	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.	2.6	104
32	Chlorination disinfection by-products in municipal drinking water – A review. <i>Journal of Cleaner Production</i> , 2020, 273, 123159.	4.6	193
33	Application of advanced oxidation processes followed by different treatment technologies for hospital wastewater treatment. <i>Journal of Cleaner Production</i> , 2020, 269, 122411.	4.6	140
34	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.	5.8	172
35	Control of the workplace environment by physical factors and SMART monitoring. <i>Archives of Materials Science and Engineering</i> , 2020, 1, 18-29.	0.7	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.	0.2	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