

Arbind Kumar Kumar Patel

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

797
citations

16
h-index

28
g-index

32
ext. papers

1,078
ext. citations

5.8
avg. IF

5.13
L-index

#	Paper	IF	Citations
30	Impact of River fluvial processes on arsenic enrichment in Mid Gangetic Plains: The coining of arsenic confirming pollution markers. <i>Environmental Research</i> , 2022 , 203, 111741	7.9	0
29	Anthropogenic dominance on geogenic arsenic problem of the groundwater in the Ganga-Brahmaputra floodplain: A paradox of origin and mobilization. <i>Science of the Total Environment</i> , 2021 , 151461	10.2	2
28	Unravelling the early warning capability of wastewater surveillance for COVID-19: A temporal study on SARS-CoV-2 RNA detection and need for the escalation. <i>Environmental Research</i> , 2021 , 196, 110946	7.9	36
27	Health risk associated with consumption of arsenic contaminated groundwater in the Ganga and the Brahmaputra floodplain of India. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021 , 3, 100103	7.5	3
26	A chronicle of SARS-CoV-2: Seasonality, environmental fate, transport, inactivation, and antiviral drug resistance. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124043	12.8	46
25	Decay of SARS-CoV-2 RNA along the wastewater treatment outfitted with Upflow Anaerobic Sludge Blanket (UASB) system evaluated through two sample concentration techniques. <i>Science of the Total Environment</i> , 2021 , 754, 142329	10.2	38
24	Mega festivals like MahaKumbh, a largest mass congregation, facilitated the transmission of SARS-CoV-2 to humans and endangered animals via contaminated water. <i>International Journal of Hygiene and Environmental Health</i> , 2021 , 237, 113836	6.9	1
23	Reflections of COVID-19 cases in the wastewater loading of SARS-CoV-2 RNA: A case of three major cities of Gujarat, India. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021 , 4, 100115	7.5	3
22	Natural recharge transcends anthropogenic forcing that influences arsenic vulnerability of the quaternary alluviums of the Mid-Gangetic Plain. <i>Npj Clean Water</i> , 2020 , 3,	11.2	11
21	Prevalence of antibiotic resistance in the tropical rivers of Sri Lanka and India. <i>Environmental Research</i> , 2020 , 188, 109765	7.9	5
20	Climatic Influences on Arsenic Health Risk in the Metamorphic Precambrian Deposits of Sri Lanka: A Re-analysis-based Critical Review. <i>Journal of Climate Change</i> , 2020 , 6, 15-24	0.7	8
19	Scenario, perspectives and mechanism of arsenic and fluoride Co-occurrence in the groundwater: A review. <i>Chemosphere</i> , 2020 , 249, 126126	8.4	57
18	Microplastic Vulnerability in the Sediments of the Sabarmati River of India. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2020 , 127-138	0.4	2
17	Prediction of arsenic vulnerable zones in the groundwater environment of a rapidly urbanizing setup, Guwahati, India. <i>Chemie Der Erde</i> , 2020 , 80, 125590	4.3	23
16	Frontier review on the propensity and repercussion of SARS-CoV-2 migration to aquatic environment.. <i>Journal of Hazardous Materials Letters</i> , 2020 , 1, 100001	3.3	23
15	Reappraisal review on geopolymer: A new era of aluminosilicate binder for metal immobilization. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020 , 14, 100345	3.3	10
14	Role of Physical Parameters in Developing a Geogenic Contaminant Risk Approach. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2020 , 57-72	0.4	

13	First proof of the capability of wastewater surveillance for COVID-19 in India through detection of genetic material of SARS-CoV-2. <i>Science of the Total Environment</i> , 2020 , 746, 141326	10.2	233
12	Mitigating the Risk of Arsenic and Fluoride Contamination of Groundwater Through a Multi-model Framework of Statistical Assessment and Natural Remediation Techniques. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2020 , 285-300	0.4	19
11	Water Scarcity and Land Degradation Nexus in the Anthropocene: Reformations for Advanced Water Management as Per the Sustainable Development Goals. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2020 , 317-336	0.4	1
10	Arsenic mobility and potential co-leaching of fluoride from the sediments of three tributaries of the Upper Brahmaputra floodplain, Lakhimpur, Assam, India. <i>Journal of Geochemical Exploration</i> , 2019 , 203, 45-58	3.8	44
9	Multilayer arsenic mobilization and multimetal co-enrichment in the alluvium (Brahmaputra) plains of India: A tale of redox domination along the depth. <i>Chemosphere</i> , 2019 , 224, 140-150	8.4	37
8	Hydrogeochemical controls on mobilization of arsenic and associated health risk in Nagaon district of the central Brahmaputra Plain, India. <i>Environmental Geochemistry and Health</i> , 2017 , 39, 161-178	4.7	29
7	Seasonal disparity in the co-occurrence of arsenic and fluoride in the aquifers of the Brahmaputra flood plains, Northeast India. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	31
6	Effect of river proximity on the arsenic and fluoride distribution in the aquifers of the Brahmaputra Floodplains, Assam, Northeast India. <i>Groundwater for Sustainable Development</i> , 2016 , 2-3, 130-142	6	31
5	Dye-Assisted pH Sensing Using a Smartphone. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 2363-2366	2.2	22
4	Geochemical controls and future perspective of arsenic mobilization for sustainable groundwater management: A study from Northeast India. <i>Groundwater for Sustainable Development</i> , 2015 , 1, 92-104	6	33
3	Hazard remediation and recycling of tea industry and paper mill bottom ash through vermiconversion. <i>Chemosphere</i> , 2013 , 92, 708-13	8.4	41
2	First proof of the capability of wastewater surveillance for COVID-19 in India through detection of genetic material of SARS-CoV-2		5
1	Comparative analysis of SARS-CoV-2 RNA load in wastewater from three different cities of Gujarat, India		2