

Arbind Kumar Kumar Patel

List of Publications by Citations

Source: <https://exaly.com/author-pdf/9432277/arbind-kumar-kumar-patel-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
29	Scenario, perspectives and mechanism of arsenic and fluoride Co-occurrence in the groundwater: A review. <i>Chemosphere</i> , 2020 , 249, 126126	8.4	57
28	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
27	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
26	Hazard remediation and recycling of tea industry and paper mill bottom ash through vermicomposting. <i>Chemosphere</i> , 2013 , 92, 708-13	8.4	41
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	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
23	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
22	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
21	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
20	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
19	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
18	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
17	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
16	Dye-Assisted pH Sensing Using a Smartphone. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 2363-2366	2.2	22
15	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
14	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

13	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
12	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
11	Prevalence of antibiotic resistance in the tropical rivers of Sri Lanka and India. <i>Environmental Research</i> , 2020 , 188, 109765	7.9	5
10	First proof of the capability of wastewater surveillance for COVID-19 in India through detection of genetic material of SARS-CoV-2		5
9	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
8	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
7	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
6	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
5	Comparative analysis of SARS-CoV-2 RNA load in wastewater from three different cities of Gujarat, India		2
4	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
3	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
2	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
1	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	