

Prafulla Kumar Sahoo

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

1,818
citations

236833

25
h-index

302012

39
g-index

73
all docs

73
docs citations

73
times ranked

1747
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-parametric groundwater quality and human health risk assessment vis-à-vis hydrogeochemical process in an Agri-intensive region of Indus basin, Punjab, India. <i>Toxin Reviews</i> , 2022, 41, 768-784.	1.5	9
2	Occurrence, distribution, and environmental risk assessment of heavy metals in the vicinity of Fe-ore mines: a global overview. <i>Toxin Reviews</i> , 2022, 41, 675-698.	1.5	3
3	Urban to rural COVID-19 progression in India: The role of massive migration and the challenge to India's traditional labour force policies. <i>International Journal of Health Planning and Management</i> , 2022, 37, 528-535.	0.7	8
4	Copper mining in the eastern Amazon: an environmental perspective on potentially toxic elements. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1767-1781.	1.8	11
5	A Holocene record of floodplain development in the northernmost portion of the Araguaia Belt, southeastern Amazonia. <i>Catena</i> , 2022, 209, 105798.	2.2	0
6	Meta-analysis of uranium contamination in groundwater of the alluvial plains of Punjab, northwest India: Status, health risk, and hydrogeochemical processes. <i>Science of the Total Environment</i> , 2022, 807, 151753.	3.9	29
7	Hydroclimate and vegetation changes in southeastern Amazonia over the past ~25,000 years. <i>Quaternary Science Reviews</i> , 2022, 284, 107466.	1.4	6
8	Soil-sediment linkage and trace element contamination in forested/deforested areas of the Itacaiãnas River Watershed, Brazil: To what extent land-use change plays a role?. <i>Science of the Total Environment</i> , 2022, 828, 154327.	3.9	4
9	Geochemical assessment of groundwater contaminants and associated health risks in the Shivalik region of Punjab, India. <i>Toxin Reviews</i> , 2021, 40, 928-944.	1.5	10
10	Source apportionment, chemometric pattern recognition and health risk assessment of groundwater from southwestern Punjab, India. <i>Environmental Geochemistry and Health</i> , 2021, 43, 733-755.	1.8	52
11	Pre-to-post lockdown impact on air quality and the role of environmental factors in spreading the COVID-19 cases - a study from a worst-hit state of India. <i>International Journal of Biometeorology</i> , 2021, 65, 205-222.	1.3	47
12	COVID-19 pandemic: An outlook on its impact on air quality and its association with environmental variables in major cities of Punjab and Chandigarh, India. <i>Environmental Forensics</i> , 2021, 22, 143-154.	1.3	19
13	Ground/drinking water contaminants and cancer incidence: A case study of rural areas of South West Punjab, India. <i>Human and Ecological Risk Assessment (HERA)</i> , 2021, 27, 205-226.	1.7	40
14	Sustainable remediation of heavy metals. , 2021, , 571-610.		0
15	Lake sedimentary processes and vegetation changes over the last 45k cal a in the uplands of southeastern Amazonia. <i>Journal of Quaternary Science</i> , 2021, 36, 255-272.	1.1	9
16	COVID-19 lockdown: a rare opportunity to establish baseline pollution level of air pollutants in a megacity, India. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 1269-1286.	1.8	10
17	Integrated Geochemical Assessment of Soils and Stream Sediments to Evaluate Source-Sink Relationships and Background Variations in the Parauapebas River Basin, Eastern Amazon. <i>Soil Systems</i> , 2021, 5, 21.	1.0	9
18	Bioavailability of copper and nickel in naturally metal-enriched soils of Carajás Mining Province, Eastern Amazon, Brazil. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 256.	1.3	6

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19	Hydrochemical characteristics and human health risk assessment of groundwater in the Shivalik region of Sutlej basin, Punjab, India. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	7
20	Impact of Environmental Indicators on the COVID-19 Pandemic in Delhi, India. <i>Pathogens</i> , 2021, 10, 1003.	1.2	8
21	Geochemical mapping in stream sediments of the Carajás Mineral Province, part 2: Multi-element geochemical signatures using Compositional Data Analysis (CoDA). <i>Journal of South American Earth Sciences</i> , 2021, 110, 103361.	0.6	10
22	Source and background threshold values of potentially toxic elements in soils by multivariate statistics and GIS-based mapping: a high density sampling survey in the Parauapebas basin, Brazilian Amazon. <i>Environmental Geochemistry and Health</i> , 2020, 42, 255-282.	1.8	31
23	Multivariate statistics and geochemical approaches for understanding source-sink relationship - a case study from close-basin lakes in Southeast Amazon. <i>Journal of South American Earth Sciences</i> , 2020, 99, 102497.	0.6	7
24	The sustainability index of the physical mining Environment in protected areas, Eastern Amazon. <i>Environmental and Sustainability Indicators</i> , 2020, 8, 100074.	1.7	7
25	Regional-scale mapping for determining geochemical background values in soils of the Itacaiãnas River Basin, Brazil: The use of compositional data analysis (CoDA). <i>Geoderma</i> , 2020, 376, 114504.	2.3	39
26	The role of fault reactivation in the development of tropical montane lakes. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 3732-3746.	1.2	4
27	Is the transmission of novel coronavirus disease (COVID-19) weather dependent?. <i>Journal of the Air and Waste Management Association</i> , 2020, 70, 1061-1064.	0.9	17
28	Geochemical mapping in stream sediments of the Carajás Mineral Province: Background values for the Itacaiãnas River watershed, Brazil. <i>Applied Geochemistry</i> , 2020, 118, 104608.	1.4	24
29	Water chemistry and estimation of background levels of elements in surface water bodies from a protected area in the vicinity of Fe deposits, Southeastern Amazon. <i>Environmental Forensics</i> , 2020, 21, 176-194.	1.3	4
30	Quantification of groundwater agricultural soil quality and associated health risks in the agri-intensive Sutlej River Basin of Punjab, India. <i>Environmental Geochemistry and Health</i> , 2020, 42, 4245-4268.	1.8	16
31	Geochemical relationship and translocation mechanism of arsenic in rice plants: A case study from health prone south west Punjab, India. <i>Groundwater for Sustainable Development</i> , 2020, 10, 100333.	2.3	26
32	High resolution hydrogeochemical survey and estimation of baseline concentrations of trace elements in surface water of the Itacaiãnas River Basin, southeastern Amazonia: Implication for environmental studies. <i>Journal of Geochemical Exploration</i> , 2019, 205, 106321.	1.5	38
33	Geochemical mapping and background concentrations of iron and potentially toxic elements in active stream sediments from Carajás, Brazil implication for risk assessment. <i>Journal of South American Earth Sciences</i> , 2019, 92, 151-166.	0.6	19
34	Geochemical mapping and estimation of background concentrations in soils of Carajás mineral province, eastern Amazonian Craton, Brazil. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2019, 19, 431-447.	0.5	10
35	The role of protected and deforested areas in the hydrological processes of Itacaiãnas River Basin, eastern Amazonia. <i>Journal of Environmental Management</i> , 2019, 235, 489-499.	3.8	36
36	Holocene history of a lake filling and vegetation dynamics of the Serra Sul dos Carajás, southeast Amazonia. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019, 91, e20160916.	0.3	8

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37	Statistical analysis of lake sediment geochemical data for understanding surface geological factors and processes: An example from Amazonian upland lakes, Brazil. <i>Catena</i> , 2019, 175, 47-62.	2.2	24
38	Differences in precipitation and evapotranspiration between forested and deforested areas in the Amazon rainforest using remote sensing data. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	19
39	Modern pollen rain raises doubts about the intensity and extension of the Last Glacial Cycle in Carajás: A reply to D'Ápolito et al.. <i>Holocene</i> , 2018, 28, 332-335.	0.9	3
40	Morphology and morphometry of upland lakes over lateritic crust, Serra dos Carajás, southeastern Amazon region. <i>Anais Da Academia Brasileira De Ciencias</i> , 2018, 90, 1309-1325.	0.3	24
41	Geochemical distribution and threshold values determination of heavy metals in stream water in the sub-basins of Vermelho and Sororó rivers, Itacaiñas River watershed, Eastern Amazon, Brazil. <i>Geochimica Brasiliensis</i> , 2018, 32, 180-198.	0.4	22
42	Environmental and vegetation changes in southeastern Amazonia during the late Pleistocene and Holocene. <i>Quaternary International</i> , 2017, 449, 83-105.	0.7	24
43	Modern pollen rain as a background for palaeoenvironmental studies in the Serra dos Carajás, southeastern Amazonia. <i>Holocene</i> , 2017, 27, 1055-1066.	0.9	20
44	Anthropogenic contamination and risk assessment of heavy metals in stream sediments influenced by acid mine drainage from a northeast coalfield, India. <i>Bulletin of Engineering Geology and the Environment</i> , 2017, 76, 537-552.	1.6	23
45	Geochemical characterization of the largest upland lake of the Brazilian Amazonia: Impact of provenance and processes. <i>Journal of South American Earth Sciences</i> , 2017, 80, 541-558.	0.6	18
46	Geochemical appraisal of mine discharge and tailing at Malanjkhand copper mine, India. <i>Journal of the Geological Society of India</i> , 2017, 90, 209-216.	0.5	5
47	Limnological characteristics and planktonic diversity of five tropical upland lakes from Brazilian Amazon. <i>Annales De Limnologie</i> , 2017, 53, 467-483.	0.6	27
48	Recent Developments for Remediating Acidic Mine Waters Using Sulfidogenic Bacteria. <i>BioMed Research International</i> , 2017, 2017, 1-17.	0.9	34
49	Influence of seasonal variation on the hydro-biogeochemical characteristics of two upland lakes in the Southeastern Amazon, Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2016, 88, 2211-2227.	0.3	36
50	Late Quaternary environmental and climate changes registered in lacustrine sediments of the Serra Sul de Carajás, south-east Amazonia. <i>Journal of Quaternary Science</i> , 2016, 31, 61-74.	1.1	24
51	Recovery of metals and other beneficial products from coal fly ash: a sustainable approach for fly ash management. <i>International Journal of Coal Science and Technology</i> , 2016, 3, 267-283.	2.7	111
52	Geochemistry of upland lacustrine sediments from Serra dos Carajás, Southeastern Amazon, Brazil: Implications for catchment weathering, provenance, and sedimentary processes. <i>Journal of South American Earth Sciences</i> , 2016, 72, 178-190.	0.6	29
53	Geochemical characteristics and mode of occurrence of trace elements in coal at West Bokaro coalfield. <i>International Journal of Coal Science and Technology</i> , 2016, 3, 399-406.	2.7	12
54	Managing Groundwater Nitrate Contamination from Livestock Farms: Implication for Nitrate Management Guidelines. <i>Current Pollution Reports</i> , 2016, 2, 178-187.	3.1	68

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55	Trace Elements in Soils around Coal Mines: Current Scenario, Impact and Available Techniques for Management. <i>Current Pollution Reports</i> , 2016, 2, 1-14.	3.1	67
56	Use of multi-proxy approaches to determine the origin and depositional processes in modern lacustrine sediments: Carajás Plateau, Southeastern Amazon, Brazil. <i>Applied Geochemistry</i> , 2015, 52, 130-146.	1.4	39
57	Source and distribution of pollen and spores in surface sediments of a plateau lake in southeastern Amazonia. <i>Quaternary International</i> , 2014, 352, 181-196.	0.7	31
58	Utilization of ochre as an adsorbent to remove Pb(II) and Cu(II) from contaminated aqueous media. <i>Environmental Earth Sciences</i> , 2014, 72, 243-250.	1.3	9
59	Geochemical characterization of coal and waste rocks from a high sulfur bearing coalfield, India: Implication for acid and metal generation. <i>Journal of Geochemical Exploration</i> , 2014, 145, 135-147.	1.5	31
60	Arsenic Fate and Transport in the Groundwater-Soil-Plant System: An Understanding of Suitable Rice Paddy Cultivation in Arsenic Enriched Areas. , 2014, , 21-44.		6
61	Evaluation of the use of an alkali modified fly ash as a potential adsorbent for the removal of metals from acid mine drainage. <i>Applied Water Science</i> , 2013, 3, 567-576.	2.8	59
62	Relations of arsenic concentrations among groundwater, soil and paddy from an alluvial plain of Korea. <i>Geosciences Journal</i> , 2013, 17, 363-370.	0.6	10
63	A review of the arsenic concentration in paddy rice from the perspective of geoscience. <i>Geosciences Journal</i> , 2013, 17, 107-122.	0.6	72
64	Inhibition of Acid Mine Drainage from a Pyrite-rich Mining Waste Using Industrial By-products: Role of Neo-formed Phases. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	16
65	Current Approaches for Mitigating Acid Mine Drainage. <i>Reviews of Environmental Contamination and Toxicology</i> , 2013, 226, 1-32.	0.7	30
66	Metal behavior in sediment associated with acid mine drainage stream: Role of pH. <i>Journal of Geochemical Exploration</i> , 2013, 124, 230-237.	1.5	72
67	Mineralogy of Fe-Precipitates and Their Role in Metal Retention from an Acid Mine Drainage Site in India. <i>Mine Water and the Environment</i> , 2012, 31, 344-352.	0.9	14
68	Geochemical characteristics of coal mine discharge vis-à-vis behavior of rare earth elements at Jaintia Hills coalfield, northeastern India. <i>Journal of Geochemical Exploration</i> , 2012, 112, 235-243.	1.5	88
69	Geochemistry of ochreous precipitates from coal mine drainage in India. <i>Environmental Earth Sciences</i> , 2010, 61, 723-731.	1.3	14
70	Influence of different forms of acidities on soil microbiological properties and enzyme activities at an acid mine drainage contaminated site. <i>Journal of Hazardous Materials</i> , 2010, 179, 966-975.	6.5	29
71	Hydrogeochemical characteristics of acid mine drainage and water pollution at Makum Coalfield, India. <i>Journal of Geochemical Exploration</i> , 2010, 105, 75-82.	1.5	122