

Priyadarsi D Roy

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

2,672
citations

182225

30
h-index

274796

44
g-index

111
all docs

111
docs citations

111
times ranked

2417
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyzing microplastics with Nile Red: Emerging trends, challenges, and prospects. <i>Journal of Hazardous Materials</i> , 2022, 423, 127171.	6.5	92
2	Geochemical evolution and seasonality of groundwater recharge at water-scarce southeast margin of the Chihuahuan Desert in Mexico. <i>Environmental Research</i> , 2022, 203, 111847.	3.7	11
3	Episodic habitation and abandonment of Neolithic civilization sites in the Vaigai River Basin, Southern India. <i>Geosystems and Geoenvironment</i> , 2022, 1, 100007.	1.7	3
4	Measurement of submarine groundwater discharge (SGD) into Tiruchendur coast at southeast India using ²²² Rn as a naturally occurring tracer. <i>Marine Pollution Bulletin</i> , 2022, 174, 113233.	2.3	8
5	Comparative study of machine learning models for evaluating groundwater vulnerability to nitrate contamination. <i>Ecotoxicology and Environmental Safety</i> , 2022, 229, 113061.	2.9	37
6	Role of intrinsic physicochemical parameters on multi-element distribution in surface sediment of the Devi River estuary, eastern India. <i>Chemosphere</i> , 2022, 297, 134195.	4.2	2
7	Human health risk assessment of heavy metal and pathogenic contamination in surface water of the Punnakayal estuary, South India. <i>Chemosphere</i> , 2022, 298, 134027.	4.2	26
8	Coverage of microplastic data underreporting and progress toward standardization. <i>Science of the Total Environment</i> , 2022, 829, 154727.	3.9	10
9	Multi-hazard risk assessment of coastal municipalities of Oaxaca, Southwestern Mexico: An index based remote sensing and geospatial technique. <i>International Journal of Disaster Risk Reduction</i> , 2022, 77, 103041.	1.8	3
10	Vulnerability Assessment of Groundwater in Industrialized Tiruppur Area of South India using GIS-based DRASTIC model. <i>Journal of the Geological Society of India</i> , 2022, 98, 696-702.	0.5	10
11	Eggshells assemblages and stable isotope composition in the Upper Cretaceous (Campanian) El Gallo Formation of Baja California, Mexico: Paleoenvironmental inferences. <i>Cretaceous Research</i> , 2022, 138, 105265.	0.6	0
12	Monitoring of Multi-Aspect Drought Severity and Socio-Economic Status in the Semi-Arid Regions of Eastern Tamil Nadu, India. <i>Water (Switzerland)</i> , 2022, 14, 2049.	1.2	6
13	Spatial distribution and enrichment of metals in surface sediments from different coastal landforms at southernmost Indian subcontinent. <i>Journal of Coastal Conservation</i> , 2022, 26, .	0.7	2
14	Demarcation of groundwater quality domains using GIS for best agricultural practices in the drought-prone Shanmuganadhi River basin of South India. <i>Environmental Science and Pollution Research</i> , 2021, 28, 18423-18435.	2.7	33
15	Groundwater chemistry and demarcation of seawater intrusion zones in the Thamirabarani delta of south India based on geochemical signatures. <i>Environmental Geochemistry and Health</i> , 2021, 43, 757-770.	1.8	35
16	Estimation of microplastics in sediments at the southernmost coast of India (Kanyakumari). <i>Environmental Science and Pollution Research</i> , 2021, 28, 18495-18500.	2.7	23
17	Hazardous microplastic characteristics and its role as a vector of heavy metal in groundwater and surface water of coastal south India. <i>Journal of Hazardous Materials</i> , 2021, 402, 123786.	6.5	198
18	Impacts of the COVID-19 lockdown on air quality and its association with human mortality trends in megapolis Mexico City. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 553-562.	1.5	31

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19	Impact of groundwater contamination on human health. <i>Environmental Geochemistry and Health</i> , 2021, 43, 643-647.	1.8	20
20	Groundwater pollution index (GPI) and GIS-based appraisal of groundwater quality for drinking and irrigation in coastal aquifers of Tiruchendur, South India. <i>Environmental Science and Pollution Research</i> , 2021, 28, 29056-29074.	2.7	31
21	Identification of sources and groundwater recharge zones from hydrochemistry and stable isotopes of an agriculture-based paleo-lacustrine basin of drought-prone northeast Mexico. <i>Chemie Der Erde</i> , 2021, 81, 125742.	0.8	16
22	Shoreline changes over last five decades and predictions for 2030 and 2040: a case study from Cuddalore, southeast coast of India. <i>Earth Science Informatics</i> , 2021, 14, 1315-1325.	1.6	32
23	Evaluation of metals and trace elements in sediments of Kanyakumari beach (southernmost India) and their possible impact on coastal aquifers. <i>Marine Pollution Bulletin</i> , 2021, 169, 112527.	2.3	13
24	Hydro-geochemistry-based appraisal of summer-season groundwater from three different semi-arid basins of northeast Mexico for drinking and irrigation. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	7
25	Transformation Analysis on Landuse/Land Cover Changes for Two Decades Between 1999 and 2019 CE with Reference to Aquaculture Nagapattinam Coast, Southeast India. <i>Journal of the Indian Society of Remote Sensing</i> , 2021, 49, 2831-2845.	1.2	11
26	Evolution of southern Mexican Pacific coastline: Responses to meteo-oceanographic and physiographic conditions. <i>Regional Studies in Marine Science</i> , 2021, 47, 101914.	0.4	6
27	Assessment of groundwater from an industrial coastal area of south India for human health risk from consumption and irrigation suitability. <i>Environmental Research</i> , 2021, 200, 111461.	3.7	20
28	Decadal-scale spatiotemporal changes in land use/land cover of El Potosi Basin at semi-arid northeast Mexico and evolution of peat fire between 1980-2020 CE. <i>Journal of South American Earth Sciences</i> , 2021, 110, 103395.	0.6	12
29	Microplastics and trace metals in fish species of the Gulf of Mannar (Indian Ocean) and evaluation of human health. <i>Environmental Pollution</i> , 2021, 291, 118089.	3.7	45
30	A central role for fecal matter in the transport of microplastics: An updated analysis of new findings and persisting questions. <i>Journal of Hazardous Materials Advances</i> , 2021, 4, 100021.	1.2	5
31	Geochemistry of last glacial lacustrine sediments in core region of the North American Monsoon, northwest Mexico: Source of biomass, hydrological balance and chemical weathering. <i>Geological Journal</i> , 2021, 56, 2464-2476.	0.6	1
32	Great Plains storm intensity since the last glacial controlled by spring surface warming. <i>Nature Geoscience</i> , 2021, 14, 912-917.	5.4	2
33	Fluoride contamination in groundwater of the Shanmuganadhi River basin (south India) and its association with other chemical constituents using geographical information system and multivariate statistics. <i>Chemie Der Erde</i> , 2020, 80, 125555.	0.8	55
34	Evaluation of non-carcinogenic risks due to fluoride and nitrate contaminations in a groundwater of an urban part (Coimbatore region) of south India. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 102.	1.3	69
35	Geochemical signatures of surface sediments from the Mahanadi river basin (India): Chemical weathering, provenance, and tectonic settings. <i>Geological Journal</i> , 2020, 55, 5294-5307.	0.6	14
36	Risk of Fluoride-Rich Groundwater on Human Health: Remediation Through Managed Aquifer Recharge in a Hard Rock Terrain, South India. <i>Natural Resources Research</i> , 2020, 29, 2369-2395.	2.2	54

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37	Spatio-temporal estimation of rainfall patterns in north and northwestern states of India between 1901 and 2015: change point detections and trend assessments. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	7
38	Late Holocene depositional environments of Lake Coatetelco in Central-Southern Mexico and comparison with cultural transitions at Xochicalco. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 560, 110050.	1.0	8
39	Occurrence, distribution and provenance of micro plastics: A large scale quantitative analysis of beach sediments from southeastern coast of South Africa. <i>Science of the Total Environment</i> , 2020, 746, 141103.	3.9	30
40	Imprints of pandemic lockdown on subsurface water quality in the coastal industrial city of Tuticorin, South India: A revival perspective. <i>Science of the Total Environment</i> , 2020, 738, 139848.	3.9	92
41	Seasonal changes in groundwater composition in an industrial center of south India and quality evaluation for consumption and health risk using geospatial methods. <i>Chemie Der Erde</i> , 2020, 80, 125651.	0.8	16
42	SARS-CoV-2 pandemic lockdown: Effects on air quality in the industrialized Gujarat state of India. <i>Science of the Total Environment</i> , 2020, 737, 140391.	3.9	87
43	Identification and characterization of single use oxo/biodegradable plastics from Mexico City, Mexico: Is the advertised labeling useful?. <i>Science of the Total Environment</i> , 2020, 739, 140358.	3.9	6
44	Depositional histories of vegetation and rainfall intensity in Sierra Madre Oriental Mountains (northeast Mexico) since the late Last Glacial. <i>Global and Planetary Change</i> , 2020, 187, 103136.	1.6	9
45	Sobol sensitivity approach for the appraisal of geomedical health risks associated with oral intake and dermal pathways of groundwater fluoride in a semi-arid region of south India. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110438.	2.9	47
46	Groundwater vulnerability to pollution in the semi-arid Vattamalaikarai River Basin of south India thorough DRASTIC index evaluation. <i>Chemie Der Erde</i> , 2020, 80, 125635.	0.8	34
47	The effects of geochemical processes on groundwater chemistry and the health risks associated with fluoride intake in a semi-arid region of South India. <i>RSC Advances</i> , 2020, 10, 4840-4859.	1.7	54
48	Element concentrations in pelagic <i>Sargassum</i> along the Mexican Caribbean coast in 2018-2019. <i>PeerJ</i> , 2020, 8, e8667.	0.9	86
49	Geochemical evidence of anthropogenic activity in western Mesoamerica since the Classic Period. <i>Journal of Archaeological Science: Reports</i> , 2019, 26, 101920.	0.2	1
50	Comprehensive study on metal contents and their ecological risks in beach sediments of KwaZulu-Natal province, South Africa. <i>Marine Pollution Bulletin</i> , 2019, 149, 110555.	2.3	28
51	Lipid biomarkers in lacustrine sediments of subtropical northeastern Mexico and inferred ecosystem changes during the late Pleistocene and Holocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 535, 109343.	1.0	7
52	Response of arid northeast Mexico to global climate changes during the late Pleistocene to the middle Holocene. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2211-2222.	1.2	6
53	Introduction: The Holocene and Anthropocene Environmental History of Mexico. , 2019, , 1-5.		0
54	Holocene Hydroclimate of the Subtropical Mexico: A State of the Art. , 2019, , 39-68.		1

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55	Climate forcings on vegetation of the southeastern Yucatán Peninsula (Mexico) during the middle to late Holocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 495, 214-226.	1.0	23
56	Metals and their ecological impact on beach sediments near the marine protected sites of Sodwana Bay and St. Lucia, South Africa. <i>Marine Pollution Bulletin</i> , 2018, 127, 568-575.	2.3	25
57	Orbital-scale droughts in central-northern Mexico during the late Quaternary and comparison with other subtropical and tropical records. <i>Geological Journal</i> , 2018, 53, 230-242.	0.6	8
58	A 27cal ka biomarker-based record of ecosystem changes from lacustrine sediments of the Chihuahuan Desert of Mexico. <i>Quaternary Science Reviews</i> , 2018, 191, 132-143.	1.4	8
59	Metal concentrations in the beach sediments of Bahía Solano and Nuquí along the Pacific coast of Chocó, Colombia: A baseline study. <i>Marine Pollution Bulletin</i> , 2018, 135, 1-8.	2.3	18
60	Content and composition of dissolved organic carbon in precipitation at the southern part of Mexico City. <i>Atmosfera</i> , 2018, 31, 331-346.	0.3	3
61	Comparison of elemental concentration in near-surface late Holocene sediments and precipitation regimes of the Yucatán Peninsula (Mexico): a preliminary study. <i>Boletín Geológico y Minero</i> , 2018, 129, 693-706.	0.0	3
62	Tsunami deposit research in Mexico compels multi-disciplinary approach, not just multi-proxy application. <i>Geofísica Internacional</i> , 2018, 57, .	0.2	0
63	Metal concentration in the tourist beaches of South Durban: An industrial hub of South Africa. <i>Marine Pollution Bulletin</i> , 2017, 117, 538-546.	2.3	31
64	An integrated study of geochemistry and mineralogy of the Upper Tukai Formation, Borneo Island (East Malaysia): Sediment provenance, depositional setting and tectonic implications. <i>Journal of Asian Earth Sciences</i> , 2017, 143, 77-94.	1.0	32
65	Early Holocene to present landscape dynamics of the tectonic lakes of west-central Mexico. <i>Journal of South American Earth Sciences</i> , 2017, 80, 120-130.	0.6	11
66	Late Holocene hydroclimate of the western Yucatan Peninsula (Mexico). <i>Journal of Quaternary Science</i> , 2017, 32, 1112-1120.	1.1	15
67	Holocene paleohydrology of the Etzatlán-Magdalena basin in western-central Mexico and evaluation of main atmospheric forcings. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 487, 149-157.	1.0	12
68	Hydrological responses of the Chihuahuan Desert of Mexico to possible Heinrich Stadials. <i>Journal of South American Earth Sciences</i> , 2017, 73, 1-9.	0.6	6
69	Coastal erosion vs man-made protective structures: evaluating a two-decade history from southeastern India. <i>Natural Hazards</i> , 2017, 85, 637-647.	1.6	5
70	Tsunami deposits of September 21st 1985 in Barra de Potosí: comparison with other studies and evaluation of some geological proxies for southwestern Mexico. <i>Geofísica Internacional</i> , 2017, 56, .	0.2	1
71	Bioavailable metals in tourist beaches of Richards Bay, Kwazulu-Natal, South Africa. <i>Marine Pollution Bulletin</i> , 2016, 105, 430-436.	2.3	22
72	CLIMATE VARIATION IN THE THAR DESERT SINCE THE LAST GLACIAL MAXIMUM AND EVALUATION OF THE INDIAN MONSOON. <i>TIP Revista Especializada En Ciencias Químico-Biológicas</i> , 2016, 19, 32-44.	0.3	15

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73	Microplastics in tourist beaches of Huatulco Bay, Pacific coast of southern Mexico. <i>Marine Pollution Bulletin</i> , 2016, 113, 530-535.	2.3	113
74	Metal concentrations in sediments from tourist beaches of Huatulco, Oaxaca, Mexico: an evaluation of post-Easter week vacation. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	15
75	Atlantic Ocean modulated hydroclimate of the subtropical northeastern Mexico since the last glacial maximum and comparison with the southern US. <i>Earth and Planetary Science Letters</i> , 2016, 434, 141-150.	1.8	23
76	HYDROCLIMATE OF SUBTROPICAL MEXICO SINCE THE LAST GLACIAL MAXIMUM AND EVALUATION OF SOME PACIFIC AND ATLANTIC FORCINGS. , 2016, , .		0
77	Paleohydrology of the Santiaguillo Basin (Mexico) since late last glacial and climate variation in southern part of western subtropical North America. <i>Quaternary Research</i> , 2015, 84, 335-347.	1.0	22
78	Peat Fires in Northeastern Mexico. , 2015, , 75-88.		1
79	Climatic variability and human impact during the last 2000 years in western Mesoamerica: evidence of late Classic (AD 600-900) and Little Ice Age drought events. <i>Climate of the Past</i> , 2015, 11, 1239-1248.	1.3	27
80	Last Glacial droughts and fire regimes in the central Mexican highlands. <i>Journal of Quaternary Science</i> , 2015, 30, 88-99.	1.1	33
81	Decadal evolution of a spit in the Baram river mouth in eastern Malaysia. <i>Continental Shelf Research</i> , 2015, 105, 18-25.	0.9	21
82	Climatic variability in the northern sector of the American tropics since the latest MIS 3. <i>Quaternary Research</i> , 2015, 84, 262-271.	1.0	36
83	Last glacial hydrological variations at the southern margin of subtropical North America and a regional comparison. <i>Journal of Quaternary Science</i> , 2014, 29, 495-505.	1.1	9
84	Humid Pleistocene-Holocene transition and early Holocene in subtropical northern Mexico and possible Gulf of California forcing. <i>Boreas</i> , 2014, 43, 577-587.	1.2	38
85	Environmental conditions inferred from multi-element concentrations in sediments off Cauvery delta, Southeast India. <i>Environmental Earth Sciences</i> , 2014, 71, 2043-2058.	1.3	14
86	Enrichment pattern of leachable trace metals in roadside soils of Miri City, Eastern Malaysia. <i>Environmental Earth Sciences</i> , 2014, 72, 1765-1773.	1.3	11
87	Geochemistry of Neogene sedimentary rocks from Borneo Basin, East Malaysia: Paleo-weathering, provenance and tectonic setting. <i>Chemie Der Erde</i> , 2014, 74, 139-146.	0.8	40
88	Environmental assessment of marine sediments off Poimpuhar, Southeast Coast of India. <i>International Journal of Environmental Technology and Management</i> , 2014, 17, 469.	0.1	0
89	Subsurface fire and subsidence at Valle del Potosil (Nuevo Leon, Mexico): Preliminary observations. <i>Boletin De La Sociedad Geologica Mexicana</i> , 2014, 66, 553-557.	0.1	4
90	Metal concentrations in sediments from tourist beaches of Miri City, Sarawak, Malaysia (Borneo) Tj ETQq0 0 0 rgBT/OVerlock 10 Tf 50 6	2.3	44

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91	Late Quaternary paleohydrological conditions in the drylands of northern Mexico: a summer precipitation proxy record of the last 8000 cal BP. <i>Quaternary Science Reviews</i> , 2013, 78, 342-354.	1.4	35
92	A record of Holocene summer-season palaeohydrological changes from the southern margin of Chihuahua Desert (Mexico) and possible forcings. <i>Holocene</i> , 2013, 23, 1105-1114.	0.9	20
93	Hydrochemistry, ostracods and diatoms in a deep, tropical, crater lake in Western Mexico. <i>Journal of Limnology</i> , 2013, 72, 42.	0.3	15
94	A millennial-scale late Pleistocene-Holocene palaeoclimatic record from the western Chihuahua Desert, Mexico. <i>Boreas</i> , 2012, 41, 707-718.	1.2	31
95	Provenance of sediments deposited at paleolake San Felipe, western Sonora Desert: Implications to regimes of summer and winter precipitation during last 5000 cal kyr BP. <i>Journal of Arid Environments</i> , 2012, 81, 47-58.	1.2	17
96	Geological characteristics of 2011 Japan tsunami sediments deposited along the coast of southwestern Mexico. <i>Chemie Der Erde</i> , 2012, 72, 91-95.	0.8	11
97	Metal concentrations in water and sediments from tourist beaches of Acapulco, Mexico. <i>Marine Pollution Bulletin</i> , 2011, 62, 845-850.	2.3	57
98	Metal enrichment in beach sediments from Chennai Metropolis, SE coast of India. <i>Marine Pollution Bulletin</i> , 2011, 62, 2537-2542.	2.3	40
99	Field survey report on the 11th March 2011 tsunami in Pacific coast of Mexico. <i>Natural Hazards</i> , 2011, 58, 859-864.	1.6	5
100	Evaluation of Acid Leachable Trace Metals in Soils Around a Five Centuries Old Mining District in Hidalgo, Central Mexico. <i>Water, Air, and Soil Pollution</i> , 2010, 205, 227-236.	1.1	10
101	Acid leachable trace metals in sediment cores from Sunderban Mangrove Wetland, India: an approach towards regular monitoring. <i>Ecotoxicology</i> , 2010, 19, 405-418.	1.1	60
102	Geochemical record of Late Quaternary paleoclimate from lacustrine sediments of paleo-lake San Felipe, western Sonora Desert, Mexico. <i>Journal of South American Earth Sciences</i> , 2010, 29, 586-596.	0.6	36
103	Evaporite mineralogy and major element geochemistry as tools for palaeoclimatic investigations in arid regions: A synthesis. <i>Boletín De La Sociedad Geologica Mexicana</i> , 2010, 62, 379-390.	0.1	16
104	Registro de sequías históricas en el occidente de México con base en el análisis elemental de sedimentos lacustres: El caso del lago de Santa María del Oro. <i>Boletín De La Sociedad Geologica Mexicana</i> , 2010, 62, 437-451.	0.1	31
105	Geochemical signatures of Late Holocene paleo-hydrological changes from Phulera and Pokharan saline playas near the eastern and western margins of the Thar Desert, India. <i>Journal of Asian Earth Sciences</i> , 2009, 34, 275-286.	1.0	35
106	Late Pleistocene-Holocene geochemical history inferred from Lake Tecocomulco sediments, Basin of Mexico, Mexico. <i>Geochemical Journal</i> , 2009, 43, 49-64.	0.5	18
107	Characteristics of 2004 tsunami deposits of the northern Tamil Nadu coast, southeastern India. <i>Boletín De La Sociedad Geologica Mexicana</i> , 2009, 61, 111-118.	0.1	32
108	Late Holocene geochemical history inferred from Sambhar and Didwana playa sediments, Thar Desert, India: Comparison and synthesis. <i>Quaternary International</i> , 2006, 144, 84-98.	0.7	44

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109	Environmental and Hydrological Changes of Lake Coatetelco in Central Mesoamerica (Southwest) Tj ETQq1 1 0.784314 rgBT /Overlook Evolution, 0, 10, .	1.1	1