

Prasanna Mohan Viswanathan

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113
papers

2,313
citations

29
h-index

43
g-index

116
ext. papers

2,685
ext. citations

3.1
avg, IF

5.02
L-index

#	Paper	IF	Citations
113	Identification of major sources controlling groundwater chemistry from a hard rock terrain [A case study from Mettur taluk, Salem district, Tamil Nadu, India. <i>Journal of Earth System Science</i> , 2008 , 117, 49-58	1.8	199
112	Evaluation of water quality pollution indices for heavy metal contamination monitoring: a case study from Curtin Lake, Miri City, East Malaysia. <i>Environmental Earth Sciences</i> , 2012 , 67, 1987-2001	2.9	109
111	A study on groundwater geochemistry and water quality in layered aquifers system of Pondicherry region, southeast India. <i>Applied Water Science</i> , 2012 , 2, 253-269	5	101
110	Study of evaluation of groundwater in Gadilam basin using hydrogeochemical and isotope data. <i>Environmental Monitoring and Assessment</i> , 2010 , 168, 63-90	3.1	94
109	Environmental hydrogeochemistry and genesis of fluoride in groundwaters of Dindigul district, Tamilnadu (India). <i>Environmental Earth Sciences</i> , 2013 , 68, 333-342	2.9	75
108	A study on hydrochemical elucidation of coastal groundwater in and around Kalpakkam region, Southern India. <i>Environmental Earth Sciences</i> , 2011 , 64, 1419-1431	2.9	70
107	A study on the hydrogeology and hydrogeochemistry of groundwater from different depths in a coastal aquifer: Annamalai Nagar, Tamilnadu, India. <i>Environmental Geology</i> , 2009 , 57, 59-73		62
106	A study on the significance of lithology in groundwater quality of Madurai district, Tamil Nadu (India). <i>Environment, Development and Sustainability</i> , 2013 , 15, 1365-1387	4.5	59
105	Statistical analysis of the hydrogeochemical evolution of groundwater in hard rock coastal aquifers of Thoothukudi district in Tamil Nadu, India. <i>Environmental Earth Sciences</i> , 2014 , 71, 451-464	2.9	48
104	Statistical analysis of the hydrogeochemical evolution of groundwater in hard and sedimentary aquifers system of Gadilam river basin, South India. <i>Journal of King Saud University - Science</i> , 2010 , 22, 133-145	3.6	48
103	Evaluation of groundwater suitability for domestic, irrigational, and industrial purposes: a case study from Thirumanimuttar river basin, Tamilnadu, India. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 405-20	3.1	47
102	A study on hydrochemical characteristics of surface and sub-surface water in and around Perumal Lake, Cuddalore district, Tamil Nadu, South India. <i>Environmental Earth Sciences</i> , 2011 , 63, 31-47	2.9	47
101	Identification of groundwater contamination zones and its sources by using multivariate statistical approach in Thirumanimuttar sub-basin, Tamil Nadu, India. <i>Environmental Earth Sciences</i> , 2013 , 68, 1783-1795	2.9	43
100	Assessment of fluoride contaminations in groundwater of hard rock aquifers in Madurai district, Tamil Nadu (India). <i>Applied Water Science</i> , 2017 , 7, 1011-1023	5	42
99	A study on the status of fluoride ion in groundwater of coastal hard rock aquifers of south India. <i>Arabian Journal of Geosciences</i> , 2013 , 6, 4167-4177	1.8	42
98	Hydrogeochemical assessment of groundwater in Neyveli Basin, Cuddalore District, South India. <i>Arabian Journal of Geosciences</i> , 2011 , 4, 319-330	1.8	40
97	Assessment and Distribution of Metals Contamination in Groundwater: a Case Study of Busan City, Korea. <i>Water Quality, Exposure, and Health</i> , 2015 , 7, 219-225		39

96	Major ion chemistry and identification of hydrogeochemical processes controlling groundwater in and around Neyveli Lignite Mines, Tamil Nadu, South India. <i>Arabian Journal of Geosciences</i> , 2013 , 6, 3451-3467	1.8	38
95	A study on the high fluoride concentration in the magnesium-rich waters of hard rock aquifer in Krishnagiri district, Tamilnadu, India. <i>Arabian Journal of Geosciences</i> , 2014 , 7, 273-285	1.8	38
94	Identification of the geochemical processes in groundwater by factor analysis in hard rock aquifers of Madurai District, South India. <i>Arabian Journal of Geosciences</i> , 2014 , 7, 3767-3777	1.8	36
93	Hydrochemistry of groundwater in a coastal region and its repercussion on quality, a case study Thoothukudi district, Tamil Nadu, India. <i>Arabian Journal of Geosciences</i> , 2014 , 7, 939-950	1.8	36
92	A study on the mixing proportion in groundwater samples by using Piper diagram and Phreeqc model. <i>Diqiu Huaxue</i> , 2011 , 30, 490-495		36
91	Study on the hydrogeochemical characteristics in groundwater, post- and pre-tsunami scenario, from Portnova to Pimpri, southeast coast of India. <i>Environmental Monitoring and Assessment</i> , 2010 , 169, 553-68	3.1	36
90	Metal concentrations in sediments from tourist beaches of Miri City, Sarawak, Malaysia (Borneo Island). <i>Marine Pollution Bulletin</i> , 2013 , 73, 369-73	6.7	34
89	Hydrogeochemical analysis and evaluation of groundwater quality in the Gadilam river basin, Tamil Nadu, India. <i>Journal of Earth System Science</i> , 2011 , 120, 85-98	1.8	34
88	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	4.3	33
87	Integrated geophysical and chemical study in the lower subbasin of Gadilam River, Tamilnadu, India. <i>Environmental Geosciences</i> , 2008 , 15, 145-152	1.4	33
86	Hydrogeochemistry and microbial contamination of groundwater from Lower Ponnaiyar Basin, Cuddalore District, Tamil Nadu, India. <i>Environmental Earth Sciences</i> , 2012 , 67, 867-887	2.9	32
85	A study on the factors affecting the stable isotopic composition in precipitation of Tamil Nadu, India. <i>Hydrological Processes</i> , 2009 , 23, 1792-1800	3.3	30
84	Geochemical evaluation of fluoride contamination of groundwater in the Thoothukudi District of Tamilnadu, India. <i>Applied Water Science</i> , 2014 , 4, 241-250	5	29
83	Assessment of hydrogeochemical status of groundwater in a coastal region of Southeast coast of India. <i>Applied Water Science</i> , 2018 , 8, 1	5	27
82	Comprehensive studies of hydrogeochemical processes and quality status of groundwater with tools of cluster, grouping analysis, and fuzzy set method using GIS platform: a case study of Dalcheon in Ulsan City, Korea. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 11209-23	5.1	26
81	Significance of pCO ₂ values in determining carbonate chemistry in groundwater of Pondicherry region, India. <i>Frontiers of Earth Science</i> , 2011 , 5, 197-206	1.7	25
80	A study on the status of saltwater intrusion in the coastal hard rock aquifer of South India. <i>Environment, Development and Sustainability</i> , 2015 , 17, 443-475	4.5	23
79	Lithological and hydrochemical controls on distribution and speciation of uranium in groundwaters of hard-rock granitic aquifers of Madurai District, Tamil Nadu (India). <i>Environmental Geochemistry and Health</i> , 2016 , 38, 497-509	4.7	22

78	A multivariate statistical approach to identify the spatio-temporal variation of geochemical process in a hard rock aquifer. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 552	3.1	21
77	Study on the saturation index of the carbonates in the groundwater using WATEQ4F, in layered coastal aquifers of Pondicherry. <i>Journal of the Geological Society of India</i> , 2012 , 80, 813-824	1.3	21
76	A study on evaluation of probable sources of heavy metal pollution in groundwater of Kalpakkam region, South India. <i>The Environmentalist</i> , 2012 , 32, 371-382		20
75	Hydrogeochemical Modelling for Groundwater in Neyveli Aquifer, Tamil Nadu, India, Using PHREEQC: A Case Study. <i>Natural Resources Research</i> , 2012 , 21, 311-324	4.9	19
74	Identification of Recharge Processes in Groundwater in Hard Rock Aquifers of Madurai District Using Stable Isotopes. <i>Environmental Processes</i> , 2016 , 3, 463-477	2.8	18
73	Occurrence of the radionuclides in groundwater of crystalline hard rock regions of central Tamil Nadu, India. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014 , 302, 1349-1355	1.5	18
72	Delineation of Natural and Anthropogenic Process Controlling Hydrogeochemistry of Layered Aquifer Sequence. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2014 , 84, 95-108	0.9	17
71	Significance of saturation index of certain clay minerals in shallow coastal groundwater, in and around Kalpakkam, Tamil Nadu, India. <i>Journal of Earth System Science</i> , 2011 , 120, 897-909	1.8	17
70	A study on the defluoridation in water by using natural soil. <i>Applied Water Science</i> , 2013 , 3, 741-751	5	16
69	Assessment of groundwater chemistry in layered coastal aquifers using multivariate statistical analysis. <i>Sustainable Water Resources Management</i> , 2017 , 3, 55-69	1.9	15
68	Occurrence of Uranium in Groundwater Along the Lithological Contacts in Central Tamilnadu, India: An Isotope Hydrogeochemical Perspective. <i>Exposure and Health</i> , 2019 , 11, 277-290	8.8	15
67	Assessment of metals distribution and microbial contamination at selected lake waters in and around Miri City, East Malaysia. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012 , 89, 507-11 ^{2.7}		14
66	A Study on the Behavior of the Dissolved Oxygen in the Shallow Coastal Wells of Cuddalore District, Tamilnadu, India. <i>Water Quality, Exposure, and Health</i> , 2012 , 4, 1-16		14
65	A study on variation in dissolved silica concentration in groundwater of hard rock aquifers in Southeast coast of India. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 121, 012008	0.4	14
64	Seasonal changes in groundwater quality deterioration and chemometric analysis of pollution source identification in South India. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 20037-20054	5.1	13
63	Influence of variations in rainfall pattern on the hydrogeochemistry of coastal groundwater-an outcome of periodic observation. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 29173-29190	5.1	13
62	A study on the interpretation of spontaneous potential and resistivity logs in layered aquifer sequence of Pondicherry Region, South India. <i>Arabian Journal of Geosciences</i> , 2014 , 7, 3715-3729	1.8	13
61	Occurrence of high uranium and radon in hard rock aquifers of South India [Evaluating the temporal and spatial trends. <i>Groundwater for Sustainable Development</i> , 2015 , 1, 68-77	6	13

60	Identification of groundwater potential zones using geospatial approach in Sivagangai district, South India. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	13
59	Determination of the utility of groundwater with respect to the geochemical parameters: a case study from Tuticorin District of Tamil Nadu (India). <i>Environment, Development and Sustainability</i> , 2014 , 16, 689-721	4.5	12
58	A study on the arsenic concentration in groundwater of a coastal aquifer in south-east India: an integrated approach. <i>Environment, Development and Sustainability</i> , 2017 , 19, 1015-1040	4.5	10
57	Evaluation of Metal Pollution in Groundwater in the Industrialized Environs in and Around Dindigul, Tamilnadu, India. <i>Water Quality, Exposure, and Health</i> , 2015 , 7, 307-317		10
56	A study on the impact of weathering in groundwater chemistry of a hard rock aquifer. <i>Arabian Journal of Geosciences</i> , 2016 , 9, 1	1.8	10
55	Enrichment pattern of leachable trace metals in roadside soils of Miri City, Eastern Malaysia. <i>Environmental Earth Sciences</i> , 2014 , 72, 1765-1773	2.9	10
54	Chemistry of Tender Coconut Water from the Cuddalore Coastal Region in Tamil Nadu, India. <i>Natural Resources Research</i> , 2013 , 22, 91-101	4.9	10
53	Impact of landuse on the groundwater quality along coastal aquifer of Thiruvallur district, South India. <i>Sustainable Water Resources Management</i> , 2018 , 4, 849-873	1.9	10
52	Drip water Geochemistry of Niah Great Cave, NW Borneo, Malaysia: a base line study. <i>Carbonates and Evaporites</i> , 2014 , 29, 41-54	1.3	9
51	Study on the Significance of Temporal Ion Chemistry in Groundwater of Dindigul District, Tamilnadu, India. <i>E-Journal of Chemistry</i> , 2011 , 8, 938-944		9
50	Occurrence of Heavy Metals in Groundwater Along the Lithological Interface of K/T Boundary, Peninsular India: A Special Focus on Source, Geochemical Mobility and Health Risk. <i>Archives of Environmental Contamination and Toxicology</i> , 2021 , 80, 183-207	3.2	9
49	Tidal effects on groundwater dynamics in shallow coastal aquifers Southeast coast of Tamilnadu, India. <i>Arabian Journal of Geosciences</i> , 2016 , 9, 1	1.8	8
48	An insight on the speciation and genetical imprint of bicarbonate ion in the groundwater along K/T boundary, South India. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	8
47	A Novel Approach for Groundwater Budgeting Using GIS in a Part of Pondicherry Region, India. <i>Journal of Water Resource and Protection</i> , 2010 , 02, 585-591	0.7	8
46	Groundwater quality assessment in Jirania Block, west district of Tripura, India, using hydrogeochemical fingerprints. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	7
45	Statistical analysis of trends in monthly precipitation at the Limbang River Basin, Sarawak (NW Borneo), Malaysia. <i>Meteorology and Atmospheric Physics</i> , 2019 , 131, 883-896	2	7
44	An Integrated Novel Approach to Understand the Process of Groundwater Recharge in Mountain and Riparian Zone Aquifer System of Tamil Nadu, India. <i>Aquatic Geochemistry</i> , 2019 , 25, 137-159	1.7	7
43	Spatial and temporal variations of radon concentrations in groundwater of hard rock aquifers in Madurai district, India. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017 , 313, 603-609	1.5	7

42	Dissolved Organic Carbon in Multilayered Aquifers of Pondicherry Region (India): Spatial and Temporal Variability and Relationships to Major Ion Chemistry. <i>Natural Resources Research</i> , 2017 , 26, 119-135	4.9	7
41	Assessment of sources for higher Uranium concentration in ground waters of the Central Tamilnadu, India. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 121, 012009	0.4	7
40	A hydrochemical approach to estimate mountain front recharge in an aquifer system in Tamilnadu, India. <i>Acta Geochimica</i> , 2018 , 37, 465-488	2.2	7
39	Mobilization and health risk assessment of fertilizer induced uranium in coastal groundwater. <i>Environmental Research</i> , 2022 , 203, 111791	7.9	7
38	Geochemical (process based) characterization of groundwater along the KT boundary of South India. <i>Chemie Der Erde</i> , 2019 , 79, 62-77	4.3	6
37	Chemical characteristics of coastal rainwater from Puducherry to Neithavasal, Southeastern coast of India. <i>Environmental Earth Sciences</i> , 2014 , 72, 557-567	2.9	6
36	Evaluation of hydrogeochemical characteristics and the impact of weathering in seepage water collected within the sedimentary formation. <i>Acta Geochimica</i> , 2017 , 36, 44-51	2.2	5
35	Assessment of Heavy Metals Pollution and Stable Isotopic Signatures in Hard Rock Aquifers of Krishnagiri District, South India. <i>Geosciences (Switzerland)</i> , 2019 , 9, 200	2.7	5
34	An attempt to understand the behavior of dissolved organic carbon in coastal aquifers of Pondicherry region, South India. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	5
33	Short-term Periodic Observation of the Relationship of Climate Variables to Groundwater Quality along the KT Boundary. <i>Journal of Climate Change</i> , 2018 , 4, 77-86	0.7	5
32	Optimisation of morphometric parameters of Limbang river basin, Borneo in the equatorial tropics for terrain characterisation. <i>Modeling Earth Systems and Environment</i> , 2017 , 3, 1477-1490	3.2	5
31	Source governed trace metal anomalies in groundwater of foothill aquifer and its health effect. <i>Applied Water Science</i> , 2020 , 10, 1	5	5
30	Elemental geochemistry of surface sediments from Manakudy estuary, south-west coast of India: Inferences to sources of elements and their accumulation. <i>Geological Journal</i> , 2021 , 56, 2360-2378	1.7	5
29	Monsoon Climate Impact on Drip Water Geochemistry at Niah Great Cave, NW Borneo, Malaysia: Evaluating the Spatial and Temporal Trends. <i>Journal of Climate Change</i> , 2016 , 2, 89-98	0.7	5
28	Chemical characteristics of rainwater in the tropical rainforest region in northwestern Borneo. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 36994-37010	5.1	4
27	Determination of the major geochemical processes of groundwater along the Cretaceous-Tertiary boundary of Trichinopoly, Tamilnadu, India. <i>Acta Geochimica</i> , 2020 , 39, 760-781	2.2	4
26	Spatio-temporal Identification of Regions with Anomalous Values of ²²² Rn in Groundwater of Madurai District, Tamilnadu, India. <i>Environmental Processes</i> , 2014 , 1, 353-367	2.8	4
25	Seasonal hydrochemical dynamics of surface water in the Limbang River, Northern Borneo—evaluating for spatial and temporal trends. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	4

24	A study on mountain front recharge by using integrated techniques in the hard rock aquifers of southern India. <i>Environment, Development and Sustainability</i> , 2018 , 20, 2243-2259	4.5	3
23	Annual and Seasonal Rainfall Trends in an Equatorial Tropical River Basin in Malaysian Borneo. <i>Environmental Modeling and Assessment</i> , 2019 , 24, 569-584	2	3
22	Microbial contamination and its associations with major ions in shallow groundwater along coastal Tamil Nadu. <i>Environmental Geochemistry and Health</i> , 2021 , 43, 1069-1088	4.7	3
21	Spatial and temporal characteristics of monthly rainfall over Limbang River Basin, Northern Borneo: an evaluation through multivariate statistics. <i>Modeling Earth Systems and Environment</i> , 2020 , 6, 2333-2343	2.2	2
20	Application of Statistical Techniques to Identify the Hydrogeochemical Processes in Coastal Aquifers of Pondicherry Region, Tamil Nadu 2016 , 251-258		2
19	Potential interplay of Uranium with geochemical variables and mineral saturation states in groundwater. <i>Applied Water Science</i> , 2021 , 11, 1	5	2
18	Delineating saline and fresh water aquifers in Tuticorin of southern India by using geophysical techniques. <i>Environment, Development and Sustainability</i> , 2021 , 23, 17723	4.5	2
17	Meteorological parameters and COVID-19 spread-Russia a case study 2021 , 179-190		2
16	Health Risk Implication and Spatial Distribution of Radon in Groundwater Along the Lithological Contact in South India. <i>Archives of Environmental Contamination and Toxicology</i> , 2021 , 80, 308-318	3.2	2
15	SARS-CoV-2 phase I transmission and mutability linked to the interplay of climatic variables: a global observation on the pandemic spread.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
14	Impact of monsoon shower on the hydrogeochemistry of groundwater along the lithological contact: a case study from South India. <i>Applied Water Science</i> , 2022 , 12, 1	5	1
13	Isotopic signatures to address the groundwater recharge in coastal aquifers.. <i>Marine Pollution Bulletin</i> , 2022 , 174, 113273	6.7	1
12	Terrestrial gamma radiation dose rate mapping and influence of building materials: case study at Curtin University campus (Miri, Sarawak, Malaysia). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021 , 328, 163-180	1.5	1
11	Characterization of Coastal Aquifers in SE Coast of India. <i>Springer Hydrogeology</i> , 2018 , 475-495	0.4	1
10	Determination of vulnerable regions of SARS-CoV-2 in Malaysia using meteorology and air quality data. <i>Environment, Development and Sustainability</i> , 2021 , 1-27	4.5	1
9	Source, mobilization and distribution of uranium in a complex aquifer system: a spatial and temporal evaluation using geochemical, statistics and GIS approach. <i>Environmental Earth Sciences</i> , 2022 , 81, 1	2.9	1
8	Groundwater quality assessment for irrigation by adopting new suitability plot and spatial analysis based on fuzzy logic technique. <i>Environmental Research</i> , 2022 , 204, 111729	7.9	0
7	A study on geochemistry and sources of colloidal fractions in coastal groundwater from different lithologies. <i>Journal of Earth System Science</i> , 2022 , 131, 1	1.8	0

6	Isoscapes to address the regional precipitation trends in the equatorial region of Southeast Asia. <i>Physics and Chemistry of the Earth</i> , 2022 , 103159	3	0
5	A Comparative Study on the Arsenic Levels in Groundwaters of Gangetic Alluvium and Coastal Aquifers in India 2015 , 197-212		
4	Modelling spatial variation in erosional status and geomorphic evolution of the Limbang river basin in Northern Borneo through hypsometric analysis. <i>Geocarto International</i> ,1-21	2.7	
3	Stable Isotopic Signatures for Hydrogeochemical Characterisation of Ground Water from Pondicherry to Nagapattinam, Tamil Nadu 2015 , 97-112		
2	Irrigation Water Quality Assessment Using Water Quality Index and GIS Technique in Pondicherry Region, South India. <i>International Journal of Civil Environmental and Agricultural Engineering</i> ,36-50	0.2	
1	A Long Term Observation of Meteorological Influence on COVID-19 Pandemic Spread in Malaysia □ A Case Study. <i>Journal of Climate Change</i> , 2022 , 8, 67-96	0.7	