S Selvam

List of Publications by Year
in descending order

81 papers	2,220 citations	257101 24 h-index	253896 43 g-index
81 all docs	81 docs citations	81 times ranked	1731 citing authors

#	Article	IF	Citations
1	Hazardous microplastic characteristics and its role as a vector of heavy metal in groundwater and surface water of coastal south India. Journal of Hazardous Materials, 2021, 402, 123786.	6.5	198
2	GIS-based Evaluation of Water Quality Index of groundwater resources around Tuticorin coastal city, south India. Environmental Earth Sciences, 2014, 71, 2847-2867.	1.3	133
3	Imprints of pandemic lockdown on subsurface water quality in the coastal industrial city of Tuticorin, South India: A revival perspective. Science of the Total Environment, 2020, 738, 139848.	3.9	92
4	SARS-CoV-2 pandemic lockdown: Effects on air quality in the industrialized Gujarat state of India. Science of the Total Environment, 2020, 737, 140391.	3.9	87
5	A GIS based identification of groundwater recharge potential zones using RS and IF technique: a case study in Ottapidaram taluk, Tuticorin district, Tamil Nadu. Environmental Earth Sciences, 2015, 73, 3785-3799.	1.3	84
6	Hydrochemical characteristics and GIS-based assessment of groundwater quality in the coastal aquifers of Tuticorin corporation, Tamilnadu, India. Applied Water Science, 2013, 3, 145-159.	2.8	81
7	Microplastic presence in commercial marine sea salts: A baseline study along Tuticorin Coastal salt pan stations, Gulf of Mannar, South India. Marine Pollution Bulletin, 2020, 150, 110675.	2.3	80
8	Application of remote sensing and GIS for delineating groundwater recharge potential zones of Kovilpatti Municipality, Tamil Nadu using IF technique. Earth Science Informatics, 2016, 9, 137-150.	1.6	79
9	Effect of COVID-19 lockdown on the water quality index of River Gomti, India, with potential hazard of faecal-oral transmission. Environmental Science and Pollution Research, 2021, 28, 33021-33029.	2.7	63
10	A GIS-based assessment of water quality pollution indices for heavy metal contamination in Tuticorin Corporation, Tamilnadu, India. Arabian Journal of Geosciences, 2015, 8, 10611-10623.	0.6	56
11	Factors controlling groundwater quality in the Yeonjegu District of Busan City, Korea, using the hydrogeochemical processes and fuzzy GIS. Environmental Science and Pollution Research, 2017, 24, 23679-23693.	2.7	52
12	Deciphering of groundwater potential zones in Tuticorin, Tamil Nadu, using remote sensing and GIS techniques. Journal of the Geological Society of India, 2014, 84, 597-608.	0.5	51
13	A Study on Assessment of Credible Sources of Heavy Metal Pollution Vulnerability in Groundwater of Thoothukudi Districts, Tamilnadu, India. Water Quality, Exposure, and Health, 2015, 7, 459-467.	1.5	46
14	Environmental contamination by heavy metals and associated human health risk assessment: a case study of surface water in Gomti River Basin, India. Environmental Science and Pollution Research, 2021, 28, 56105-56116.	2.7	45
15	Microplastics and trace metals in fish species of the Gulf of Mannar (Indian Ocean) and evaluation of human health. Environmental Pollution, 2021, 291, 118089.	3.7	45
16	GIS based groundwater modeling study to assess the effect of artificial recharge: A case study from Kodaganar river basin, Dindigul district, Tamil Nadu. Journal of the Geological Society of India, 2017, 89, 57-64.	0.5	44
17	Identification of groundwater contamination sources in Dindugal district of Tamil Nadu, India using GIS and multivariate statistical analyses. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	43
18	Geostatistical techniques to evaluate groundwater contamination and its sources in Miryang City, Korea. Environmental Earth Sciences, 2016, 75, 1.	1.3	42

#	Article	IF	Citations
19	Comparative study of machine learning models for evaluating groundwater vulnerability to nitrate contamination. Ecotoxicology and Environmental Safety, 2022, 229, 113061.	2.9	37
20	A preliminary investigation of lithogenic and anthropogenic influence over fluoride ion chemistry in the groundwater of the southern coastal city, Tamilnadu, India. Environmental Monitoring and Assessment, 2015, 187, 106.	1.3	36
21	Geochemical Appraisal of Groundwater Quality in Ottapidaram Taluk, Thoothukudi District, Tamil Nadu using Graphical and Numerical Method. Journal of the Geological Society of India, 2018, 92, 313-320.	0.5	35
22	Assessment of heavy metal and bacterial pollution in coastal aquifers from SIPCOT industrial zones, Gulf of Mannar, South Coast of Tamil Nadu, India. Applied Water Science, 2017, 7, 897-913.	2.8	32
23	Groundwater pollution index (GPI) and GIS-based appraisal of groundwater quality for drinking and irrigation in coastal aquifers of Tiruchendur, South India. Environmental Science and Pollution Research, 2021, 28, 29056-29074.	2.7	31
24	Processes and characteristics of hydrogeochemical variations between unconfined and confined aquifer systems: a case study of the Nakdong River Basin in Busan City, Korea. Environmental Science and Pollution Research, 2020, 27, 10087-10102.	2.7	27
25	Environmental monitoring and assessment of heavy metals in surface sediments at Coleroon River Estuary in Tamil Nadu, India. Environmental Monitoring and Assessment, 2015, 187, 505.	1.3	26
26	ANFIS-MOA models for the assessment of groundwater contamination vulnerability in a nitrate contaminated area. Journal of Environmental Management, 2021, 286, 112162.	3.8	26
27	Identification of groundwater potential zones using geospatial approach in Sivagangai district, South India. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	26
28	Human health risk assessment of heavy metal and pathogenic contamination in surface water of the Punnakayal estuary, South India. Chemosphere, 2022, 298, 134027.	4.2	26
29	Radon levels in groundwater in the Tuticorin district of Tamil Nadu, South India. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 1165-1173.	0.7	25
30	Irrigational Feasibility of Groundwater and Evaluation of Hydrochemistry Facies in the SIPCOT Industrial Area, South Tamilnadu, India: A GIS Approach. Water Quality, Exposure, and Health, 2015, 7, 265-284.	1.5	23
31	Geochemical characteristics and evaluation of minor and trace elements pollution in groundwater of Tuticorin city, Tamil Nadu, India using geospatial techniques. Journal of the Geological Society of India, 2017, 90, 62-68.	0.5	23
32	Quantification of submarine groundwater discharge (SGD) using radon, radium tracers and nutrient inputs in Punnakayal, south coast of India. Geoscience Frontiers, 2021, 12, 29-38.	4.3	23
33	Plastics in marine ecosystem: A review of their sources and pollution conduits. Regional Studies in Marine Science, 2021, 41, 101539.	0.4	23
34	Modeling of aquifer vulnerability index using deep learning neural networks coupling with optimization algorithms. Environmental Science and Pollution Research, 2021, 28, 57030-57045.	2.7	23
35	Contamination levels and ecological risk of heavy metals in sediments from the tidal river Halda, Bangladesh. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	23
36	Microplastics from face masks: A potential hazard post Covid-19 pandemic. Chemosphere, 2022, 302, 134805.	4.2	23

#	Article	IF	Citations
37	Origin of high fluoride in groundwater of the Tuticorin district, Tamil Nadu, India. Applied Water Science, 2018, 8, 1.	2.8	21
38	Causes of heavy metal contamination in groundwater of Tuticorin industrial block, Tamil Nadu, India. Environmental Science and Pollution Research, 2021, 28, 18651-18666.	2.7	21
39	Assessment of groundwater from an industrial coastal area of south India for human health risk from consumption and irrigation suitability. Environmental Research, 2021, 200, 111461.	3.7	20
40	Variations of water quality deterioration based on GIS techniques in surface and groundwater resources in and around Vembanad Lake, Kerala, India. Chemie Der Erde, 2020, 80, 125626.	0.8	19
41	Hydrogeochemical processes controlling the groundwater salinity in the coastal aquifers of Southern Tamil Nadu, India. Marine Pollution Bulletin, 2022, 174, 113264.	2.3	17
42	Characteristics of microplastics in the beach sediments of Marina tourist beach, Chennai, India. Marine Pollution Bulletin, 2022, 176, 113409.	2.3	17
43	A study of health risk from accumulation of metals in commercial edible fish species at Tuticorin coasts of southern India. Estuarine, Coastal and Shelf Science, 2020, 245, 106929.	0.9	16
44	Identification of sources and groundwater recharge zones from hydrochemistry and stable isotopes of an agriculture-based paleo-lacustrine basin of drought-prone northeast Mexico. Chemie Der Erde, 2021, 81, 125742.	0.8	16
45	Remote sensing for recognition and monitoring of vegetation affected by soil properties. Journal of the Geological Society of India, 2017, 90, 609-615.	0.5	15
46	Ecological risk assessment of selected heavy metals in the surface sediments of three estuaries in the southeastern coast of India. Environmental Earth Sciences, 2018, 77, 1.	1.3	15
47	1D geoelectrical resistivity survey for groundwater studies in coastal area: A case study from Pearl city, Tamil Nadu. Journal of the Geological Society of India, 2016, 87, 169-178.	0.5	14
48	Lithofacies modeling of Late Jurassic in upper Ulayyah reservoir unit at central Saudi Arabia with inference of reservoir characterization. Journal of Petroleum Science and Engineering, 2020, 185, 106664.	2.1	14
49	Groundwater quality assessment based on groundwater pollution index using Geographic Information System at Thettiyar watershed, Thiruvananthapuram district, Kerala, India. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	14
50	Appraisal of COVID-19 lockdown and unlocking effects on the air quality of North India. Environmental Research, 2022, 204, 112107.	3.7	14
51	Supplement of Missing Data in Groundwater-Level Variations of Peak Type Using Geostatistical Methods. , 2019, , 33-41.		13
52	Time series analyses of hydrological parameter variations and their correlations at a coastal area in Busan, South Korea. Hydrogeology Journal, 2018, 26, 1875-1885.	0.9	12
53	GIS-based assessment of groundwater quality index (DWQI and AWQI) in Tiruchendur Coastal City, Southern Tamil Nadu, India. Environmental Earth Sciences, 2021, 80, 1.	1.3	12
54	Source and remediation for heavy metals of soils at an iron mine of Ulsan City, Korea. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	11

#	Article	IF	Citations
55	Assessment of dam water quality for irrigation in the northeast of catchment Cheliff-Zahrez, Central Algeria. Environment, Development and Sustainability, 2020, 22, 5709-5730.	2.7	11
56	Elemental geochemistry of surface sediments from Manakudy estuary, south–west coast of India: Inferences to sources of elements and their accumulation. Geological Journal, 2021, 56, 2360-2378.	0.6	11
57	Geochemical evolution and seasonality of groundwater recharge at water-scarce southeast margin of the Chihuahuan Desert in Mexico. Environmental Research, 2022, 203, 111847.	3.7	11
58	Interrelationship between geochemical elements of sediment and groundwater at Samrak Park Delta of Nakdong River Basin in Korea: multivariate statistical analyses and artificial neural network approaches. Environmental Earth Sciences, 2017, 76, 1.	1.3	10
59	An investigation to human health risks from multiple contaminants and multiple origins by introducing 'Total Information Management'. Environmental Science and Pollution Research, 2021, 28, 18702-18724.	2.7	9
60	Tidal effects on groundwater dynamics in shallow coastal aquifers—southeast coast of Tamilnadu, India. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	8
61	Delineating saline and fresh water aquifers in Tuticorin of southern India by using geophysical techniques. Environment, Development and Sustainability, 2021, 23, 17723.	2.7	8
62	Measurement of submarine groundwater discharge (SGD) into Tiruchendur coast at southeast India using 222Rn as a naturally occurring tracer. Marine Pollution Bulletin, 2022, 174, 113233.	2.3	8
63	Evaluation of Vulnerability Zone of a Coastal Aquifer Through GALDIT GIS Index Techniques. , 2019, , 209-221.		7
64	Hydro-geochemistry-based appraisal of summer-season groundwater from three different semi-arid basins of northeast Mexico for drinking and irrigation. Environmental Earth Sciences, 2021, 80, 1.	1.3	7
65	Submarine groundwater discharge and associated nutrient influx in surroundings of the estuary region at Gulf of Mannar coast, Indian Ocean. Chemosphere, 2022, 305, 135271.	4.2	7
66	Groundwater decrease and contamination around subway tunnels in a coastal area of Busan City, Korea. Environmental Earth Sciences, 2021, 80, 1.	1.3	6
67	Site selection of check dams using geospatial techniques in Debre Berhan region, Ethiopia — water management perspective. Environmental Science and Pollution Research, 2022, 29, 72312-72331.	2.7	6
68	Fundamentals of GIS. , 2019, , 3-15.		5
69	Source, mobilization and distribution of uranium in a complex aquifer system: a spatial and temporal evaluation using geochemical, statistics and GIS approach. Environmental Earth Sciences, 2022, 81, 1.	1.3	5
70	Hydrochemical analysis of seawater intrusion by graphical techniques in coastal aquifers to delineate vulnerable areas. , 2022, , 91-104.		4
71	Modeling and simulation of runoff from an irrigation tank watershed to evaluate the utilizable water. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	3
72	Groundwater quality assessment using GIS technology in Kadavanar Watershed, Cauvery River, Tamil Nadu, India. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	2

#	Article	IF	Citations
73	Recent environmental geochemical trends in water and sediments—a framework on OSPRC. Environmental Science and Pollution Research, 2021, 28, 18421-18422.	2.7	1
74	GIS-based evaluation of groundwater quality and seawater intrusion assessment in a Coastal Region of Tiruchendur Taluk, Southern Tamil Nadu, India. , 2022, , 155-168.		1
75	Arsenic Contamination. , 2019, , 323-329.		0
76	Environmental magnetic and textural characteristics of two estuarine core sediments from Bay of Bengal, India. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	0
77	EVALUATION OF GROUNDWATER CONTAMINATION USING GEOCHEMICAL ANALYSES AND FUZZY TECHNIQUE. , 2017, , .		0
78	Geochemical assessment of high salinity in groundwater along Ramanathapuram Coast, Southern Tamil Nadu. , 2022, , 213-231.		0
79	Nutrient inputs in to the coastal ocean associated with Submarine Groundwater Discharge (SGD) from the unconfined aquifers of Kayalpattinam, Southern coast of Tamil Nadu. , 2022, , 169-179.		0
80	Application of SVR-kernel models for nitrate contamination vulnerability assessment in the shallow aquifer of Miryang City, Korea. , 2022, , 55-70.		0
81	Issues of coastal groundwater contamination. , 2022, , 9-18.		0