

N Chandrasekar

List of Publications by Year in descending order

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64
papers

3,755
citations

159358

30
h-index

128067

60
g-index

64
all docs

64
docs citations

64
times ranked

2635
citing authors

#	ARTICLE	IF	CITATIONS
1	Delineation of groundwater potential zones in Theni district, Tamil Nadu, using remote sensing, GIS and MIF techniques. <i>Geoscience Frontiers</i> , 2012, 3, 189-196.	4.3	535
2	Evaluation of groundwater quality and its suitability for drinking and agricultural use in the coastal stretch of Alappuzha District, Kerala, India. <i>Applied Water Science</i> , 2012, 2, 165-175.	2.8	289
3	Identification of potential groundwater recharge zones in Vaigai upper basin, Tamil Nadu, using GIS-based analytical hierarchical process (AHP) technique. <i>Arabian Journal of Geosciences</i> , 2014, 7, 1385-1401.	0.6	240
4	Hydro-geochemistry and application of water quality index (WQI) for groundwater quality assessment, Anna Nagar, part of Chennai City, Tamil Nadu, India. <i>Applied Water Science</i> , 2015, 5, 335-343.	2.8	224
5	Morphometric evaluation of Papanasam and Manimuthar watersheds, parts of Western Ghats, Tirunelveli district, Tamil Nadu, India: a GIS approach. <i>Environmental Earth Sciences</i> , 2011, 64, 373-381.	1.3	205
6	Groundwater quality and its suitability for drinking and irrigational use in the Southern Tiruchirappalli district, Tamil Nadu, India. <i>Applied Water Science</i> , 2017, 7, 411-420.	2.8	128
7	Geographical information system-based morphometric analysis of Bharathapuzha river basin, Kerala, India. <i>Applied Water Science</i> , 2013, 3, 467-477.	2.8	123
8	Groundwater quality assessment using WQI and GIS techniques, Dindigul district, Tamil Nadu, India. <i>Arabian Journal of Geosciences</i> , 2013, 6, 4179-4189.	0.6	118
9	Shoreline change analysis along the coast between Kanyakumari and Tuticorin of India using remote sensing and GIS. <i>Arabian Journal of Geosciences</i> , 2013, 6, 647-664.	0.6	114
10	Hydrogeochemistry and groundwater quality appraisal of part of south Chennai coastal aquifers, Tamil Nadu, India using WQI and fuzzy logic method. <i>Applied Water Science</i> , 2014, 4, 341-350.	2.8	112
11	Hydrogeochemical study of shallow carbonate aquifers, Rameswaram Island, India. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 4127-4138.	1.3	107
12	Spatial analysis of trace element contamination in sediments of Tamiraparani estuary, southeast coast of India. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 92, 618-628.	0.9	99
13	GIS model-based morphometric evaluation of Tamiraparani subbasin, Tirunelveli district, Tamil Nadu, India. <i>Arabian Journal of Geosciences</i> , 2014, 7, 131-141.	0.6	83
14	Impacts of wave energy and littoral currents on shoreline erosion/accretion along the south-west coast of Kanyakumari, Tamil Nadu using DSAS and geospatial technology. <i>Environmental Earth Sciences</i> , 2014, 71, 4523-4542.	1.3	79
15	Trace element concentrations in the groundwater of the Tamiraparani river basin, South India: Insights from human health risk and multivariate statistical techniques. <i>Chemosphere</i> , 2017, 185, 468-479.	4.2	77
16	Trace element contamination in the estuarine sediments along Tuticorin coast “Gulf of Mannar, southeast coast of India. <i>Marine Pollution Bulletin</i> , 2013, 73, 355-361.	2.3	75
17	Evaluation of spatial variations in groundwater quality by WQI and GIS technique: a case study of Virudunagar District, Tamil Nadu, India. <i>Arabian Journal of Geosciences</i> , 2013, 6, 1883-1898.	0.6	74
18	Evaluation of groundwater quality in and around Nagercoil town, Tamilnadu, India: an integrated geochemical and GIS approach. <i>Applied Water Science</i> , 2013, 3, 631-651.	2.8	73

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19	Mapping of coastal aquifer vulnerable zone in the south west coast of Kanyakumari, South India, using GIS-based DRASTIC model. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 4073.	1.3	73
20	Morphometric analysis of the River Thamirabarani sub-basin in Kanyakumari District, South west coast of Tamil Nadu, India, using remote sensing and GIS. <i>Environmental Earth Sciences</i> , 2015, 73, 7375-7401.	1.3	69
21	Shoreline change rate and erosion risk assessment along the Trou Aux Biches "Mont Choisy beach on the northwest coast of Mauritius using GIS-DSAS technique. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	65
22	Coastal landuse and land cover change and transformations of Kanyakumari coast, India using remote sensing and GIS. <i>Egyptian Journal of Remote Sensing and Space Science</i> , 2017, 20, 169-185.	1.1	63
23	Hydrogeochemical assessment of groundwater quality along the coastal aquifers of southern Tamil Nadu, India. <i>Environmental Earth Sciences</i> , 2014, 71, 4739-4750.	1.3	62
24	GIS based morphometric evaluation of Chimmini and Mupily watersheds, parts of Western Ghats, Thrissur District, Kerala, India. <i>Earth Science Informatics</i> , 2012, 5, 111-121.	1.6	56
25	Hydrochemical characteristics and quality assessment of groundwater along the Manavalakurichi coast, Tamil Nadu, India. <i>Applied Water Science</i> , 2017, 7, 1429-1438.	2.8	53
26	Evaluation of coastal erosion and accretion processes along the southwest coast of Kanyakumari, Tamil Nadu using geospatial techniques. <i>Arabian Journal of Geosciences</i> , 2015, 8, 239-253.	0.6	52
27	Hydrochemical characteristics of coastal aquifers of Kadaladi, Ramanathapuram District, Tamilnadu, India. <i>Applied Water Science</i> , 2013, 3, 603-612.	2.8	38
28	Evaluation of multiple environmental factors for site-specific groundwater recharge structures in the Vaigai River upper basin, Tamil Nadu, India, using GIS-based weighted overlay analysis. <i>Environmental Earth Sciences</i> , 2015, 74, 4355-4380.	1.3	38
29	Mapping of coastal landforms and volumetric change analysis in the south west coast of Kanyakumari, South India using remote sensing and GIS techniques. <i>Egyptian Journal of Remote Sensing and Space Science</i> , 2017, 20, 265-282.	1.1	38
30	Spatial risk assessment and trace element concentration in reef associated sediments of Van Island, southern part of the Gulf of Mannar, India. <i>Marine Pollution Bulletin</i> , 2017, 115, 444-450.	2.3	31
31	Luminescence dating of fluvial and coastal red sediments in the SE Coast, India, and implications for paleoenvironmental changes and dune reddening. <i>Quaternary Research</i> , 2012, 77, 468-481.	1.0	26
32	Trace Elements Contamination in Coral Reef Skeleton, Gulf of Mannar, India. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2010, 84, 141-146.	1.3	24
33	Metal concentrations in the growth bands of <i>Porites</i> sp.: A baseline record on the history of marine pollution in the Gulf of Mannar, India. <i>Marine Pollution Bulletin</i> , 2015, 101, 409-416.	2.3	21
34	A baseline study on the concentration of trace elements in the surface sediments off Southwest coast of Tamil Nadu, India. <i>Marine Pollution Bulletin</i> , 2018, 126, 381-388.	2.3	20
35	Trace element concentrations in reef associated sediments of Koswari Island, Gulf of Mannar biosphere reserve, southeast coast of India. <i>Marine Pollution Bulletin</i> , 2017, 117, 515-522.	2.3	19
36	Quality assessment and hydrogeochemical characteristics of groundwater in Agastheeswaram taluk, Kanyakumari district, Tamil Nadu, India. <i>Diqiu Huaxue</i> , 2014, 33, 221-235.	0.5	18

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37	Assessment of soil erosion and sediment yield in the Tamiraparani sub-basin, South India, using an automated RUSLE-SY model. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	18
38	Trace element contamination in the nearshore sediments of the Tamiraparani estuary, Southeast coast of India. <i>Marine Pollution Bulletin</i> , 2017, 116, 508-516.	2.3	18
39	Hydrogeochemical processes controlling the groundwater salinity in the coastal aquifers of Southern Tamil Nadu, India. <i>Marine Pollution Bulletin</i> , 2022, 174, 113264.	2.3	17
40	An overview of beach morphodynamic classification along the beaches between Ovari and Kanyakumari, Southern Tamilnadu Coast, India. <i>Physical Oceanography</i> , 2011, 21, 129-141.	0.4	16
41	Influence of geomorphology and bathymetry on the effects of the 2004 tsunami at Colachel, South India. <i>Bulletin of Engineering Geology and the Environment</i> , 2010, 69, 431-442.	1.6	14
42	Geospatial risk assessment and trace element concentration in reef associated sediments, northern part of Gulf of Mannar biosphere reserve, Southeast Coast of India. <i>Marine Pollution Bulletin</i> , 2017, 125, 522-529.	2.3	13
43	Trace Element Concentration in Groundwater, Tuticorin City, Tamil Nadu, India. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 876-879.	1.3	11
44	Dynamics of coastal landform features along the southern Tamil Nadu of India by using remote sensing and Geographic Information System. <i>Geocarto International</i> , 2012, 27, 347-370.	1.7	10
45	Computer application on evaluating beach sediment erosion and accretion from profile survey data. <i>Computational Geosciences</i> , 2010, 14, 503-508.	1.2	9
46	Beach dynamics of Colachel open coast, Kanyakumari District (SW India). <i>Zeitschrift für Geomorphologie</i> , 2013, 57, 75-95.	0.3	9
47	Seasonal impact on beach morphology and the status of heavy mineral deposition “ central Tamil Nadu coast, India. <i>Journal of Earth System Science</i> , 2014, 123, 135-149.	0.6	9
48	Salinization of shallow aquifer in the Karamaniyar river basin, Southern India. <i>Environment, Development and Sustainability</i> , 2018, 20, 1255-1273.	2.7	9
49	Correlation between coastal geomorphology and tsunami inundation along the coast of Kanyakumari, India. <i>Journal of Ocean University of China</i> , 2012, 11, 1-6.	0.6	8
50	Wave Refraction Pattern and Littoral Sediment Transport along the SE Tamilnadu Coast, India. <i>Journal of Coastal Research</i> , 2015, 300, 291-298.	0.1	8
51	A baseline record of trace elements concentration along the beach placer mining areas of Kanyakumari coast, South India. <i>Marine Pollution Bulletin</i> , 2017, 119, 416-422.	2.3	8
52	Grain Size Analysis and Depositional Environment Condition along the Beaches between Ovari and Kanyakumari, Southern Tamilnadu Coast, India. <i>Marine Georesources and Geotechnology</i> , 2010, 28, 288-302.	1.2	7
53	Spatial and temporal correlation between beach and wave processes: implications for berm sediment transition. <i>Frontiers of Earth Science</i> , 2018, 12, 349-360.	0.9	7
54	Assessing the shoreline trend changes in Southern tip of India. <i>Journal of Coastal Conservation</i> , 2019, 23, 283-292.	0.7	7

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55	Temporal and spatial variation in the sediment volume along the beaches between Ovari and Kanyakumari (SE INDIA). International Journal of Sediment Research, 2013, 28, 384-395.	1.8	6
56	Groundwater classification and its suitability in Kadaladi, Ramanathapuram, India using GIS techniques. Environmental Earth Sciences, 2015, 74, 3263-3285.	1.3	6
57	Mapping of heavy mineral placers through marine GIS expert system: a case study in Kalaiganapuram coastal stretch, southeast coast of Tamil Nadu, India. Arabian Journal of Geosciences, 2015, 8, 195-206.	0.6	5
58	Data on nearshore wave process and surficial beach deposits, central Tamil Nadu coast, India. Data in Brief, 2017, 13, 306-311.	0.5	5
59	A study on marine notches between Rameswaram and Kanyakumari and their implication on the sea level changes, East coast of India. Arabian Journal of Geosciences, 2015, 8, 2729-2738.	0.6	4
60	Geophysical and geochemical approach to identify the groundwater quality in Agastheeswaram Taluk of Kanyakumari District, Tamil Nadu, India. Arabian Journal of Geosciences, 2015, 8, 10647-10663.	0.6	3
61	ONWET: A Simple Integrated Tool for Beach Morphology and Wave Dynamics Analysis. Marine Georesources and Geotechnology, 2016, 34, 581-593.	1.2	3
62	Post-tsunami Assessment in the Coastal Region Between Kanyakumari and Ovari, Tamil Nadu—A Case Study. Earth Science Frontiers, 2009, 16, 129-137.	0.5	2
63	Groundwater Environment of a Tropical East Flowing River of Western Ghats, Southern India. Journal of the Geological Society of India, 2018, 92, 634-644.	0.5	1
64	Temporal Trends of Breaker Waves and Beach Morphodynamics Along the Central Tamil Nadu Coast, India. , 2019, , 207-229.		1