

# R Nagarajan

## List of Publications by Year in descending order

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81  
papers

2,412  
citations

201385

27  
h-index

214527

47  
g-index

85  
all docs

85  
docs citations

85  
times ranked

1934  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.3	169
2	Geochemistry of the Jurassic and Upper Cretaceous shales from the Molango Region, Hidalgo, eastern Mexico: Implications for source-area weathering, provenance, and tectonic setting. <i>Comptes Rendus - Geoscience</i> , 2013, 345, 185-202.	0.4	150
3	Evaluation of groundwater quality and its suitability for drinking and agricultural use in Thanjavur city, Tamil Nadu, India. <i>Environmental Monitoring and Assessment</i> , 2010, 171, 289-308.	1.3	136
4	Petrography and geochemistry of sands from the Chachalacas and Veracruz beach areas, western Gulf of Mexico, Mexico: Constraints on provenance and tectonic setting. <i>Journal of South American Earth Sciences</i> , 2015, 64, 199-216.	0.6	134
5	Geochemistry of sands along the San Nicol�s and San Carlos beaches, Gulf of California, Mexico: implications for provenance and tectonic setting. <i>Turkish Journal of Earth Sciences</i> , 2014, 23, 533-558.	0.4	101
6	Geochemistry of Neoproterozoic limestones of the Shahabad Formation, Bhima Basin, Karnataka, southern India. <i>Geosciences Journal</i> , 2011, 15, 9-25.	0.6	90
7	A screening criterion for selection of suitable CO 2 storage sites. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 28, 317-327.	2.1	87
8	Human health risk assessment and bioaccumulation of trace metals in fish species collected from the Miri coast, Sarawak, Borneo. <i>Marine Pollution Bulletin</i> , 2018, 133, 655-663.	2.3	84
9	Provenance and tectonic setting of Miocene siliciclastic sediments, Sibuti formation, northwestern Borneo. <i>Arabian Journal of Geosciences</i> , 2015, 8, 8549-8565.	0.6	76
10	TEXTURAL AND GEOCHEMICAL CHARACTERISTICS OF BEACH SANDS ALONG THE WESTERN GULF OF MEXICO, MEXICO. <i>Carpathian Journal of Earth and Environmental Sciences</i> , 2018, 13, 161-174.	0.2	68
11	Vertical distribution of heavy metals in soil profile in a seasonally waterlogging agriculture field in Eastern Ganges Basin. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 5411-5427.	1.3	67
12	Geochemistry of sandstones from the Upper Cretaceous Sillakkudi Formation, Cauvery Basin, southern India: Implication for provenance. <i>Journal of the Geological Society of India</i> , 2010, 76, 453-467.	0.5	62
13	Bioaccumulation of trace metals in the coastal Borneo (Malaysia) and health risk assessment. <i>Marine Pollution Bulletin</i> , 2019, 145, 56-66.	2.3	56
14	Injectivity and quantification of capillary trapping for CO 2 storage: A review of influencing parameters. <i>Journal of Natural Gas Science and Engineering</i> , 2015, 26, 510-517.	2.1	54
15	Environmental significance and geochemical speciation of trace elements in Lower Baram River sediments. <i>Chemosphere</i> , 2019, 219, 933-953.	4.2	50
16	Carbon dioxide storage in subsurface geologic medium: A review on capillary trapping mechanism. <i>Egyptian Journal of Petroleum</i> , 2016, 25, 367-373.	1.2	48
17	Accumulation of toxic elements in an invasive crayfish species ( <i>Procambarus clarkii</i> ) and its health risk assessment to humans. <i>Journal of Food Composition and Analysis</i> , 2020, 88, 103449.	1.9	46
18	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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19	Trace metal dynamics and risk assessment in the commercially important marine shrimp species collected from the Miri coast, Sarawak, East Malaysia. <i>Regional Studies in Marine Science</i> , 2017, 16, 79-88.	0.4	44
20	CO <sub>2</sub> storage in depleted gas reservoirs: A study on the effect of residual gas saturation. <i>Petroleum</i> , 2018, 4, 95-107.	1.3	44
21	Petrography and stable isotope geochemistry of the cretaceous El Abra Limestones (Actopan), Mexico: Implication on diagenesis. <i>Journal of the Geological Society of India</i> , 2011, 77, 349-359.	0.5	42
22	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
23	Hydrogeochemistry and microbial contamination of groundwater from Lower Ponnaiyar Basin, Cuddalore District, Tamil Nadu, India. <i>Environmental Earth Sciences</i> , 2012, 67, 867-887.	1.3	39
24	Integrity analysis of CO <sub>2</sub> storage sites concerning geochemical-geomechanical interactions in saline aquifers. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 36, 224-240.	2.1	37
25	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
26	Borneo coral reefs subject to high sediment loads show evidence of resilience to various environmental stressors. <i>PeerJ</i> , 2019, 7, e7382.	0.9	31
27	Late Middle Miocene volcanism in Northwest Borneo, Southeast Asia: Implications for tectonics, paleoclimate and stratigraphic marker. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 490, 141-162.	1.0	30
28	Assessment of trace metal contamination in a historical freshwater canal (Buckingham Canal), Chennai, India. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 7407-7424.	1.3	28
29	Petrological and Geochemical Constraints on Provenance, Paleoweathering, and Tectonic Setting of Clastic Sediments From the Neogene Lambir and Sibuti Formations, Northwest Borneo. , 2017, , 123-153.		28
30	Assessment of CO <sub>2</sub> residual trapping in depleted reservoirs used for geosequestration. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 43, 137-155.	2.1	27
31	Biomonitoring of Malaysian aquatic environments: A review of status and prospects. <i>Ecohydrology and Hydrobiology</i> , 2017, 17, 134-147.	1.0	26
32	Geochemical characteristics of stream sediments from an urban-volcanic zone, Central Mexico: Natural and man-made inputs. <i>Chemie Der Erde</i> , 2017, 77, 303-321.	0.8	22
33	The plastisphere: A morphometric genetic classification of plastic pollutants in the natural environment. <i>Gondwana Research</i> , 2022, 108, 4-12.	3.0	22
34	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
35	Investigation of toxic elements in <i>Carassius gibelio</i> and <i>Sinanodonta woodiana</i> and its health risk to humans. <i>Environmental Science and Pollution Research</i> , 2020, 27, 19955-19969.	2.7	21
36	Preliminary assessment of CO <sub>2</sub> injectivity in carbonate storage sites. <i>Petroleum</i> , 2017, 3, 144-154.	1.3	20

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37	Well selection in depleted oil and gas fields for a safe CO <sub>2</sub> storage practice: A case study from Malaysia. <i>Petroleum</i> , 2017, 3, 167-177.	1.3	20
38	Geochemical behaviour and risk assessment of trace elements in a tropical river, Northwest Borneo. <i>Chemosphere</i> , 2020, 252, 126430.	4.2	20
39	Depositional and post-depositional setting of Maastrichtian limestone, Ariyalur Group, Cauvery Basin, South India: a geochemical appraisal. <i>Carbonates and Evaporites</i> , 2011, 26, 127-147.	0.4	19
40	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, 507-511.	1.3	19
41	Tectono-morphological evolution of the Cauvery, Vaigai, and Thamirabarani River basins: Implications on timing, stratigraphic markers, relative roles of intrinsic and extrinsic factors, and transience of Southern Indian landscape. <i>Geological Journal</i> , 2019, 54, 2870-2911.	0.6	18
42	Seasonal variation and mobility of trace metals in the beach sediments of NW Borneo. <i>Chemosphere</i> , 2022, 287, 132069.	4.2	18
43	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
44	Distribution of isopod parasites in commercially important marine fishes of the Miri coast, East Malaysia. <i>Journal of Parasitic Diseases</i> , 2017, 41, 55-61.	0.4	13
45	The impact of seasonal waterlogging on the depth-wise distribution of major and trace metals in the soils of the eastern Ganges basin. <i>Catena</i> , 2020, 189, 104510.	2.2	13
46	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
47	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
48	Geochemical Characterization of Beach Sediments of Miri, NW Borneo, SE Asia: Implications on Provenance, Weathering Intensity, and Assessment of Coastal Environmental Status. , 2019, , 279-330.		11
49	Geochemistry of the Palaeocene-Eocene Upper Kelalan Formation, NW Borneo: Implications on palaeoweathering, tectonic setting, and provenance. <i>Geological Journal</i> , 2021, 56, 2500-2527.	0.6	10
50	Geochemistry of Eocene Bawang Member turbidites of the Belaga Formation, Borneo: Implications for provenance, palaeoweathering, and tectonic setting. <i>Geological Journal</i> , 2021, 56, 2477-2499.	0.6	10
51	Drip water Geochemistry of Niah Great Cave, NW Borneo, Malaysia: a base line study. <i>Carbonates and Evaporites</i> , 2014, 29, 41-54.	0.4	9
52	Occurrence of cymothoid isopod from Miri, East Malaysian marine fishes. <i>Journal of Parasitic Diseases</i> , 2015, 39, 206-210.	0.4	9
53	Sediment geochemistry of coastal environments, southern Kerala, India: implication for provenance. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	9
54	Preliminary assessments of CO <sub>2</sub> storage in carbonate formations: a case study from Malaysia. <i>Journal of Geophysics and Engineering</i> , 2017, 14, 533-554.	0.7	8

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55	Advances in sediment geochemistry and chemostratigraphy for reservoir characterization. Energy Geoscience, 2021, 2, 308-326.	1.3	8
56	Evaluation of hydrogeochemical characteristics and the impact of weathering in seepage water collected within the sedimentary formation. Acta Geochimica, 2017, 36, 44-51.	0.7	7
57	Structural controls on polyphase hydrothermal dolomitization in the Kinta Valley, Malaysia: Paragenesis and regional tectono-magmatism. Journal of Asian Earth Sciences, 2019, 174, 364-380.	1.0	7
58	Experimental Investigation on Sandstone Rock Permeability of Pakistan Gas Fields. IOP Conference Series: Materials Science and Engineering, 2015, 78, 012007.	0.3	6
59	Monsoon Climate Impact on Drip Water Geochemistry at Niah Great Cave, NW Borneo, Malaysia: Evaluating the Spatial and Temporal Trends. Journal of Climate Change, 2016, 2, 89-98.	0.2	5
60	Delineation of highland saline groundwater sources in Ba'kelalan region of NE Borneo to improve the salt-making production using geochemical and geophysical approaches. Chemosphere, 2022, 307, 135721.	4.2	5
61	Petrography and stable isotopic variations in Dalmiapuram Formation of Cauvery Basin, South India: implication on OAE1d. Diqiu Huaxue, 2015, 34, 447-458.	0.5	4
62	Paleo-Redox Conditions of the Albian-Danian Carbonate Rocks of the Cauvery Basin, South India. , 2015, , 247-271.		4
63	CO <sub>2</sub> storage in heterogeneous aquifer: A study on the effect of injection rate and CaCO <sub>3</sub> concentration. IOP Conference Series: Materials Science and Engineering, 2016, 121, 012023.	0.3	4
64	Evaluation of Decadal Shoreline Changes in the Coastal Region of Miri, Sarawak, Malaysia. , 2019, , 95-119.		4
65	Relict hydrocarbon seeps in the Oligocene-Miocene Subis carbonate platform, Malaysia: Implications on hydrocarbon generation and migration pathways and potential sealing by shale gouging. Geological Journal, 2021, 56, 2571-2582.	0.6	4
66	CO <sub>2</sub> storage in heterogeneous aquifer: A study on the effect of temperature and mineral precipitation. IOP Conference Series: Materials Science and Engineering, 2017, 206, 012002.	0.3	3
67	Discovery of buried historical structures in the Kaveri-Kollidam interfluvium, southern India. Archaeological Prospection, 2019, 26, 73-88.	1.1	3
68	Episodic habitation and abandonment of Neolithic civilization sites in the Vaigai River Basin, Southern India. Geosystems and Geoenvironment, 2022, 1, 100007.	1.7	3
69	Epiphreatic caves in Niah karst tower (NW Borneo): occurrence, morphology and hydrogeochemistry. Acta Carsologica, 2018, 46, .	0.3	3
70	Water quality monitoring: A comparative case study of municipal and Curtin Sarawak's lake samples. IOP Conference Series: Materials Science and Engineering, 2016, 121, 012019.	0.3	2
71	Runnel development on granitic boulders on the foothills of Mount Kinabalu (Pinosuk Gravel) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	2
72	Geoelectrical Investigation Along Miri Coast, East Malaysia: Evaluate the Vulnerability of Coastal Aquifer. IOP Conference Series: Materials Science and Engineering, 0, 495, 012042.	0.3	2

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73	Typology and Mechanisms of Coastal Erosion in Siliciclastic Rocks of the Northwest Borneo Coastline (Sarawak, Malaysia): A Field Approach. , 2019, , 65-98.		2
74	Episodic dolomitization of Paleozoic limestones in the Kinta Valley, Malaysia: Implications on porosity evolution and reservoir properties. Energy Geoscience, 2020, , .	1.3	2
75	Palaeoenvironmental applications of chromium and aluminium: Concerns on partitioning and early diagenetic remobilization. Geological Journal, 2021, 56, 2379-2397.	0.6	2
76	Neolithic cultural sites and extreme climate related channel avulsion: Evidence from the Vaigai River Basin, southern India. Journal of Archaeological Science: Reports, 2021, 40, 103204.	0.2	2
77	Boring of Intertidal Sandstones by Isopod Sphaeroma triste in NW Borneo (Sarawak, Malaysia). Journal of Coastal Research, 2019, 36, 238.	0.1	2
78	Major, trace and rare earth elemental geochemistry of Santonianâ€“Campanian onlandâ€“offshore transition in a Gilbertâ€“type deltaic setting, Cauvery Basin, southern India. Geological Journal, 2022, 57, 3988-4010.	0.6	1
79	Response to â€œRefer to the investigation of toxic elements in Carassius gibelio and Sinanodonta woodiana and its health risk to humans by Arumugam et al. (2020)â€“by Fakhri and Mousavi Khaneghah (2020). Environmental Science and Pollution Research, 2021, 28, 4883-4884.	2.7	0
80	Introduction to Geochemistry of Sedimentary Systems: Current trends and applications. Geological Journal, 2021, 56, 2297-2299.	0.6	0
81	Evidences for Extreme Wave Events in Velanganni Coast, Southeast of India. Boletin De La Sociedad Geologica Mexicana, 2013, 65, 201-205.	0.1	0