

# R Nagarajan

## List of Publications by Citations

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77  
papers

1,574  
citations

22  
h-index

38  
g-index

85  
ext. papers

1,950  
ext. citations

2.9  
avg, IF

4.92  
L-index

#	Paper	IF	Citations
77	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> , <b>2013</b> , 345, 185-202	1.4	111
76	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> , <b>2012</b> , 67, 1987-2001	2.9	109
75	Evaluation of groundwater quality and its suitability for drinking and agricultural use in Thanjavur city, Tamil Nadu, India. <i>Environmental Monitoring and Assessment</i> , <b>2010</b> , 171, 289-308	3.1	108
74	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> , <b>2015</b> , 64, 199-216	2	95
73	Geochemistry of sands along the San Nicol and San Carlos beaches, Gulf of California, Mexico: implications for provenance and tectonic setting. <i>Turkish Journal of Earth Sciences</i> , <b>2014</b> , 23, 533-558	1.5	83
72	Geochemistry of Neoproterozoic limestones of the Shahabad Formation, Bhima Basin, Karnataka, southern India. <i>Geosciences Journal</i> , <b>2011</b> , 15, 9-25	1.4	70
71	TEXTURAL AND GEOCHEMICAL CHARACTERISTICS OF BEACH SANDS ALONG THE WESTERN GULF OF MEXICO, MEXICO. <i>Carpathian Journal of Earth and Environmental Sciences</i> , <b>2018</b> , 13, 161-174	2.1	52
70	Human health risk assessment and bioaccumulation of trace metals in fish species collected from the Miri coast, Sarawak, Borneo. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 133, 655-663	6.7	52
69	Provenance and tectonic setting of Miocene siliciclastic sediments, Sibuti formation, northwestern Borneo. <i>Arabian Journal of Geosciences</i> , <b>2015</b> , 8, 8549-8565	1.8	50
68	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> , <b>2010</b> , 76, 453-467	1.3	46
67	Vertical distribution of heavy metals in soil profile in a seasonally waterlogging agriculture field in Eastern Ganges Basin. <i>Environmental Monitoring and Assessment</i> , <b>2014</b> , 186, 5411-27	3.1	44
66	A screening criterion for selection of suitable CO 2 storage sites. <i>Journal of Natural Gas Science and Engineering</i> , <b>2016</b> , 28, 317-327	4.6	43
65	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> , <b>2017</b> , 16, 79-88	1.5	40
64	Bioaccumulation of trace metals in the coastal Borneo (Malaysia) and health risk assessment. <i>Marine Pollution Bulletin</i> , <b>2019</b> , 145, 56-66	6.7	35
63	Metal concentrations in sediments from tourist beaches of Miri City, Sarawak, Malaysia (Borneo Island). <i>Marine Pollution Bulletin</i> , <b>2013</b> , 73, 369-73	6.7	34
62	Injectivity and quantification of capillary trapping for CO 2 storage: A review of influencing parameters. <i>Journal of Natural Gas Science and Engineering</i> , <b>2015</b> , 26, 510-517	4.6	33
61	Geochemistry of Neogene sedimentary rocks from Borneo Basin, East Malaysia: Paleo-weathering, provenance and tectonic setting. <i>Chemie Der Erde</i> , <b>2014</b> , 74, 139-146	4.3	33

60	Hydrogeochemistry and microbial contamination of groundwater from Lower Ponnaiyar Basin, Cuddalore District, Tamil Nadu, India. <i>Environmental Earth Sciences</i> , <b>2012</b> , 67, 867-887	2.9	32
59	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> , <b>2011</b> , 77, 349-359	1.3	29
58	Carbon dioxide storage in subsurface geologic medium: A review on capillary trapping mechanism. <i>Egyptian Journal of Petroleum</i> , <b>2016</b> , 25, 367-373	3.4	27
57	Environmental significance and geochemical speciation of trace elements in Lower Baram River sediments. <i>Chemosphere</i> , <b>2019</b> , 219, 933-953	8.4	25
56	Late Middle Miocene volcanism in Northwest Borneo, Southeast Asia: Implications for tectonics, paleoclimate and stratigraphic marker. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2018</b> , 490, 141-162	2.9	23
55	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> , <b>2020</b> , 88, 103449	4.1	22
54	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> , <b>2016</b> , 36, 224-240	4.6	22
53	Petrological and Geochemical Constraints on Provenance, Paleoweathering, and Tectonic Setting of Clastic Sediments From the Neogene Lambir and Sibuti Formations, Northwest Borneo <b>2017</b> , 123-153		20
52	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> , <b>2017</b> , 143, 77-94	2.8	19
51	Biomonitoring of Malaysian aquatic environments: A review of status and prospects. <i>Ecology and Hydrobiology</i> , <b>2017</b> , 17, 134-147	2.8	19
50	Assessment of trace metal contamination in a historical freshwater canal (Buckingham Canal), Chennai, India. <i>Environmental Monitoring and Assessment</i> , <b>2012</b> , 184, 7407-24	3.1	19
49	Decadal evolution of a spit in the Baram river mouth in eastern Malaysia. <i>Continental Shelf Research</i> , <b>2015</b> , 105, 18-25	2.4	18
48	CO <sub>2</sub> storage in depleted gas reservoirs: A study on the effect of residual gas saturation. <i>Petroleum</i> , <b>2018</b> , 4, 95-107	4.1	17
47	Geochemical characteristics of stream sediments from an urban-volcanic zone, Central Mexico: Natural and man-made inputs. <i>Chemie Der Erde</i> , <b>2017</b> , 77, 303-321	4.3	16
46	Depositional and post-depositional setting of Maastrichtian limestone, Ariyalur Group, Cauvery Basin, South India: a geochemical appraisal. <i>Carbonates and Evaporites</i> , <b>2011</b> , 26, 127-147	1.3	16
45	Borneo coral reefs subject to high sediment loads show evidence of resilience to various environmental stressors. <i>PeerJ</i> , <b>2019</b> , 7, e7382	3.1	16
44	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> , <b>2012</b> , 89, 507-11 <sup>2</sup> ·7		14
43	Preliminary assessment of CO <sub>2</sub> injectivity in carbonate storage sites. <i>Petroleum</i> , <b>2017</b> , 3, 144-154	4.1	12

42	Distribution of isopod parasites in commercially important marine fishes of the Miri coast, East Malaysia. <i>Journal of Parasitic Diseases</i> , <b>2017</b> , 41, 55-61	1.3	10
41	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> , <b>2017</b> , 3, 167-177	4.1	10
40	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> , <b>2020</b> , 27, 19955-19969	5.1	10
39	Metal concentrations in sediments from tourist beaches of Huatulco, Oaxaca, Mexico: an evaluation of post-Easter week vacation. <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1	2.9	10
38	Enrichment pattern of leachable trace metals in roadside soils of Miri City, Eastern Malaysia. <i>Environmental Earth Sciences</i> , <b>2014</b> , 72, 1765-1773	2.9	10
37	Assessment of CO <sub>2</sub> residual trapping in depleted reservoirs used for geosequestration. <i>Journal of Natural Gas Science and Engineering</i> , <b>2017</b> , 43, 137-155	4.6	9
36	Drip water Geochemistry of Niah Great Cave, NW Borneo, Malaysia: a base line study. <i>Carbonates and Evaporites</i> , <b>2014</b> , 29, 41-54	1.3	9
35	Occurrence of cymothoid isopod from Miri, East Malaysian marine fishes. <i>Journal of Parasitic Diseases</i> , <b>2015</b> , 39, 206-10	1.3	8
34	Geochemical behaviour and risk assessment of trace elements in a tropical river, Northwest Borneo. <i>Chemosphere</i> , <b>2020</b> , 252, 126430	8.4	8
33	The plastisphere: A morphometric genetic classification of plastic pollutants in the natural environment. <i>Gondwana Research</i> , <b>2021</b> ,	5.1	8
32	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> , <b>2020</b> , 189, 104510	5.8	7
31	Evaluation of hydrogeochemical characteristics and the impact of weathering in seepage water collected within the sedimentary formation. <i>Acta Geochimica</i> , <b>2017</b> , 36, 44-51	2.2	5
30	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> , <b>2019</b> , 54, 2870	1.7	5
29	Sediment geochemistry of coastal environments, southern Kerala, India: implication for provenance. <i>Arabian Journal of Geosciences</i> , <b>2018</b> , 11, 1	1.8	5
28	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> , <b>2016</b> , 2, 89-98	0.7	5
27	Geochemistry of Eocene Bawang Member turbidites of the Belaga Formation, Borneo: Implications for provenance, palaeoweathering, and tectonic setting. <i>Geological Journal</i> , <b>2021</b> , 56, 2477-2499	1.7	5
26	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> , <b>2021</b> , 169, 112527	6.7	4
25	Preliminary assessments of CO <sub>2</sub> storage in carbonate formations: a case study from Malaysia. <i>Journal of Geophysics and Engineering</i> , <b>2017</b> , 14, 533-554	1.3	3

24	Paleo-Redox Conditions of the Albian-Danian Carbonate Rocks of the Cauvery Basin, South India <b>2015</b> , 247-271		3
23	Discovery of buried historical structures in the Kaveri-Kollidam interfluvium, southern India. <i>Archaeological Prospection</i> , <b>2019</b> , 26, 73-88	1.8	3
22	Geochemical Characterization of Beach Sediments of Miri, NW Borneo, SE Asia: Implications on Provenance, Weathering Intensity, and Assessment of Coastal Environmental Status <b>2019</b> , 279-330		3
21	Geochemistry of the Palaeocene-Eocene Upper Kelalan Formation, NW Borneo: Implications on palaeoweathering, tectonic setting, and provenance. <i>Geological Journal</i> , <b>2021</b> , 56, 2500-2527	1.7	3
20	Seasonal variation and mobility of trace metals in the beach sediments of NW Borneo. <i>Chemosphere</i> , <b>2022</b> , 287, 132069	8.4	3
19	Structural controls on polyphase hydrothermal dolomitization in the Kinta Valley, Malaysia: Paragenesis and regional tectono-magmatism. <i>Journal of Asian Earth Sciences</i> , <b>2019</b> , 174, 364-380	2.8	2
18	Experimental Investigation on Sandstone Rock Permeability of Pakistan Gas Fields. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 78, 012007	0.4	2
17	Water quality monitoring: A comparative case study of municipal and Curtin Sarawak lake samples. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 121, 012019	0.4	2
16	Runnel development on granitic boulders on the foothills of Mount Kinabalu (Pinosuk Gravel Formation, Sabah, N Borneo). <i>Journal of Mountain Science</i> , <b>2016</b> , 13, 46-58	2.1	2
15	CO <sub>2</sub> storage in heterogeneous aquifer: A study on the effect of temperature and mineral precipitation. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 206, 012002	0.4	2
14	Petrography and stable isotopic variations in Dalmiapuram Formation of Cauvery Basin, South India: implication on OAE1d. <i>Diqiu Huaxue</i> , <b>2015</b> , 34, 447-458		2
13	Evaluation of Decadal Shoreline Changes in the Coastal Region of Miri, Sarawak, Malaysia <b>2019</b> , 95-119		2
12	Relict hydrocarbon seeps in the Oligocene-Miocene Subis carbonate platform, Malaysia: Implications on hydrocarbon generation and migration pathways and potential sealing by shale gouging. <i>Geological Journal</i> , <b>2021</b> , 56, 2571-2582	1.7	2
11	Episodic habitation and abandonment of Neolithic civilization sites in the Vaigai River Basin, Southern India. <i>Geosystems and Geoenvironment</i> , <b>2021</b> , 1, 100007-100007		1
10	Neolithic cultural sites and extreme climate related channel avulsion: Evidence from the Vaigai River Basin, southern India. <i>Journal of Archaeological Science: Reports</i> , <b>2021</b> , 40, 103204	0.7	1
9	Boring of Intertidal Sandstones by Isopod <i>Sphaeroma triste</i> in NW Borneo (Sarawak, Malaysia). <i>Journal of Coastal Research</i> , <b>2019</b> , 36, 238	0.6	1
8	Geoelectrical Investigation Along Miri Coast, East Malaysia: Evaluate the Vulnerability of Coastal Aquifer. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 495, 012042	0.4	1
7	Typology and Mechanisms of Coastal Erosion in Siliciclastic Rocks of the Northwest Borneo Coastline (Sarawak, Malaysia): A Field Approach <b>2019</b> , 65-98		1

6	Palaeoenvironmental applications of chromium and aluminium: Concerns on partitioning and early diagenetic remobilization. <i>Geological Journal</i> , <b>2021</b> , 56, 2379-2397	1.7	1
5	CO <sub>2</sub> storage in heterogeneous aquifer: A study on the effect of injection rate and CaCO <sub>3</sub> concentration. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 121, 012023	0.4	0
4	Advances in sediment geochemistry and chemostratigraphy for reservoir characterization. <i>Energy Geoscience</i> , <b>2021</b> , 2, 308-326	5.8	0
3	Introduction to Geochemistry of Sedimentary Systems: Current trends and applications. <i>Geological Journal</i> , <b>2021</b> , 56, 2297-2299	1.7	
2	Response to "Refer to the investigation of toxic elements in <i>Carassius gibelio</i> and <i>Sinanodonta woodiana</i> and its health risk to humans by Arumugam et al. (2020)" by Fakhri and Mousavi Khaneghah (2020) : Fakhri, Y., Mousavi Khaneghah, A. Refer to the investigation of toxic elements in <i>Carassius gibelio</i> and <i>Sinanodonta woodiana</i> and its health risk to humans by Arumugam et al. (2020). <i>Environ Sci Pollut Res</i> 27, 30901-30902 (2020). <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 4883-4884	5.1	
1	Cenozoic Chemostratigraphy. <i>Geophysical Monograph Series</i> , <b>2018</b> , 259-277	1.1	