

Dornadula Chandrasekharam

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,906
citations

411340

20
h-index

312153

41
g-index

64
all docs

64
docs citations

64
times ranked

1831
citing authors

#	ARTICLE	IF	CITATIONS
1	Geothermal resources for sustainable development: A case study. <i>International Journal of Energy Research</i> , 2022, 46, 20501-20518.	2.2	17
2	Carbon dioxide emissions mitigation strategy through enhanced geothermal systems: western Anatolia, Turkey. <i>Environmental Earth Sciences</i> , 2022, 81, 235.	1.3	7
3	Enhanced geothermal systems (EGS) for UN sustainable development goals. <i>Discover Energy</i> , 2022, 2, .	1.1	1
4	Geothermal potential of granites: Case study- Kaymaz and Sivrihisar (Eskisehir region) Western Anatolia. <i>Renewable Energy</i> , 2022, 196, 870-882.	4.3	4
5	High heat generating granites of Kestanol: future enhanced geothermal system (EGS) province in western Anatolia. <i>Turkish Journal of Earth Sciences</i> , 2021, 30, 1032-1044.	0.4	8
6	Geothermal energy for food and water security for Yemen: a review. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	5
7	Water and Food Nexus: Role of Socio-Economic Status on Waterâ€™Food Nexus in an Urban Agglomeration Hyderabad, India Using Consumption Water Footprint. <i>Water (Switzerland)</i> , 2021, 13, 637.	1.2	1
8	A preliminary investigation for the assessment of geothermal potential at Eastern Peninsular India. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2020, 6, 1.	1.3	9
9	Geothermal energy for sustainable water resources management. <i>International Journal of Green Energy</i> , 2020, 17, 1-12.	2.1	10
10	CO2 emissions from renewables: solar pv, hydrothermal and EGS sources. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2020, 6, 1.	1.3	16
11	Guest editorial for the topical collection: sustainable development and utilization of geothermal systems. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2020, 6, 1.	1.3	0
12	Association of geomorphic features with groundwater quality and freshwater availability in coastal regions. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 3313-3328.	1.8	12
13	Tracing the evolution of thermal springs in the Hazaribagh area of Eastern Peninsular India through hydrogeochemical and isotopic analyses. <i>Geothermics</i> , 2020, 85, 101817.	1.5	12
14	Quantifying the water footprint of an urban agglomeration in developing economy. <i>Sustainable Cities and Society</i> , 2019, 50, 101686.	5.1	13
15	Geothermal energy for desalination to secure food security: case study in Djibouti. <i>Energy, Sustainability and Society</i> , 2019, 9, .	1.7	8
16	Desalination of Red Sea and Gulf of Aden Seawater to Mitigate the Fresh Water Crisis in the Yemen Republic. <i>Springer Oceanography</i> , 2019, , 195-213.	0.2	3
17	Geothermal energy potential of Tulsishyam thermal springs of Gujarat, India. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	8
18	Water for the millions: Focus Saudi Arabia. <i>Water-Energy Nexus</i> , 2018, 1, 142-144.	1.7	11

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19	Fluoride contamination of groundwater and its seasonal variability in parts of Purulia district, West Bengal, India. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	18
20	Water resource management using geothermal energy: Eritrea. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	0.6	3
21	Desalination of Seawater Using Geothermal Energy for Food and Water Security: Arab and Sub-Saharan Countries. , 2018, , 177-224.		9
22	An Influence of Thermally-Induced Micro-Cracking under Cooling Treatments: Mechanical Characteristics of Australian Granite. <i>Energies</i> , 2018, 11, 1338.	1.6	87
23	Geochemical evolution of geothermal fluids around the western Red Sea and East African Rift geothermal provinces. <i>Journal of Asian Earth Sciences</i> , 2018, 164, 292-306.	1.0	8
24	Desalination of Seawater using Geothermal Energy to Meet Future Fresh Water Demand of Saudi Arabia. <i>Water Resources Management</i> , 2017, 31, 781-792.	1.9	10
25	The potential contribution of geothermal energy to electricity supply in Saudi Arabia. <i>International Journal of Sustainable Energy</i> , 2016, 35, 824-833.	1.3	13
26	Geothermal energy potential of eastern desert region, Egypt. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	15
27	Potential Geothermal Energy Resources of India: A Review. <i>Current Sustainable/Renewable Energy Reports</i> , 2016, 3, 80-91.	1.2	33
28	Contamination and mobilization of arsenic in the soil and groundwater and its influence on the irrigated crops, Manipur Valley, India. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	21
29	Major and trace element concentrations in the geothermal springs along the west coast of Maharashtra, India. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	0.6	11
30	Climate Change Mitigation Strategy through Utilization of Geothermal Energy Resources from Western Arabian Shield, Saudi Arabia. <i>Journal of Climate Change</i> , 2015, 1, 129-134.	0.2	3
31	Thermo-mechanical properties of Bundelkhand granite near Jhansi, India. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2015, 1, 35-53.	1.3	40
32	Geothermal energy resources of Jizan, SW Saudi Arabia. <i>Journal of African Earth Sciences</i> , 2015, 109, 55-67.	0.9	25
33	CO ₂ -induced mechanical behaviour of Hawkesbury sandstone in the Gosford basin: An experimental study. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 641, 123-137.	2.6	81
34	Acidification of shallow groundwater in the unconfined sandy aquifer of the city of Douala, Cameroon, Western Africa: implications for groundwater quality and use. <i>Environmental Earth Sciences</i> , 2015, 74, 6831-6846.	1.3	22
35	The potential of high heat generating granites as EGS source to generate power and reduce CO ₂ emissions, western Arabian shield, Saudi Arabia. <i>Journal of African Earth Sciences</i> , 2015, 112, 213-233.	0.9	15
36	Evolution of geothermal systems around the Red Sea. <i>Environmental Earth Sciences</i> , 2015, 73, 4215-4236.	1.3	20

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37	Physicochemical evolution of the thermal springs over the Siwana Ring Complex, western Rajasthan. <i>Journal of the Geological Society of India</i> , 2014, 84, 668-674.	0.5	7
38	High-heat-producing granites of East Dharwar Craton around Gugi, Karnataka, and their possible influence on the evolution of Rajapur thermal springs, Deccan Volcanic Province, India. <i>Geothermal Energy</i> , 2014, 2, .	0.9	13
39	Geochemistry of thermal springs around Lake Abhe, Western Djibouti. <i>International Journal of Sustainable Energy</i> , 2014, 33, 1090-1102.	1.3	13
40	Geothermal energy resources of wadi Al-Lith, Saudi Arabia. <i>Journal of African Earth Sciences</i> , 2014, 97, 357-367.	0.9	38
41	Geochemical Signature of Arsenic-Contaminated Groundwater in Barak Valley (Assam) and Surrounding Areas, Northeastern India. <i>Procedia Earth and Planetary Science</i> , 2013, 7, 834-837.	0.6	18
42	Dissolved organic carbon from the traditional jute processing technique and its potential influence on arsenic enrichment in the Bengal Delta. <i>Applied Geochemistry</i> , 2012, 27, 292-303.	1.4	19
43	Temporal variations in arsenic concentration in the groundwater of Murshidabad District, West Bengal, India. <i>Environmental Earth Sciences</i> , 2011, 62, 223-232.	1.3	46
44	Deccan Traps Flood Basalt Province: An Evaluation of the Thermochemical Plume Model. , 2011, , 29-53.		29
45	Pollution characteristics of alluvial groundwater from springs and bore wells in semi-urban informal settlements of Douala, Cameroon, Western Africa. <i>Environmental Earth Sciences</i> , 2010, 61, 287-298.	1.3	55
46	Influence of traditional agricultural practices on mobilization of arsenic from sediments to groundwater in Bengal delta. <i>Water Research</i> , 2010, 44, 5575-5588.	5.3	67
47	Comment on "Thermoluminescence and optically stimulated luminescence signals from volcanic ash: History of volcanism in Barren Island, Andaman Sea" by D. Banerjee (<i>Quaternary Geochronology</i>). <i>Quaternary Geochronology</i> , 2010, 5, 283-284.	0.6	0
48	Volcanological and petrological evolution of Barren Island (Andaman Sea, Indian Ocean). <i>Journal of Asian Earth Sciences</i> , 2009, 35, 469-487.	1.0	19
49	Impact of irrigation with As rich groundwater on soil and crops: A geochemical case study in West Bengal Delta Plain, India. <i>Applied Geochemistry</i> , 2005, 20, 1890-1906.	1.4	202
50	Petrology of the prehistoric lavas and dyke of the Barren Island, Andaman Sea, Indian Ocean. <i>Journal of Earth System Science</i> , 2004, 113, 715-721.	0.6	11
51	Geochemical stratigraphy of Deccan flood basalts of the Bijasan Chat section, Satpura Range, India. <i>Journal of Asian Earth Sciences</i> , 2004, 23, 127-139.	1.0	52
52	Geochemistry, geothermics and relationship to active tectonics of Gujarat and Rajasthan thermal discharges, India. <i>Journal of Volcanology and Geothermal Research</i> , 2003, 127, 19-32.	0.8	23
53	Arsenic enrichment in groundwater of West Bengal, India: geochemical evidence for mobilization of As under reducing conditions. <i>Applied Geochemistry</i> , 2003, 18, 1417-1434.	1.4	242
54	Geochemistry of Flood Basalts of the Toranmal Section, Northern Deccan Traps, India: Implications for Regional Deccan Stratigraphy. <i>Journal of Petrology</i> , 2000, 41, 1099-1120.	1.1	160

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55	Petrogenetic significance of ferro-enstatite orthopyroxene in basaltic dikes from the Tapi rift, Deccan flood basalt province, India. Earth and Planetary Science Letters, 2000, 179, 469-476.	1.8	19
56	Origin and evolution of "intracratonic" thermal fluids from central-western peninsular India. Earth and Planetary Science Letters, 2000, 181, 377-394.	1.8	79
57	Hydrogeochemistry of Damt thermal springs, Yemen Republic. Geothermics, 1999, 28, 241-252.	1.5	17
58	Elemental and Nd-Sr-Pb isotope geochemistry of flows and dikes from the Tapi rift, Deccan flood basalt province, India. Journal of Volcanology and Geothermal Research, 1999, 93, 111-123.	0.8	47
59	Geochemistry of Tattapani thermal springs, madhya Pradesh, India"field and experimental investigations. Geothermics, 1995, 24, 553-559.	1.5	30
60	Structure and evolution of the western continental margin of India deduced from gravity, seismic, geomagnetic and geochronological studies. Physics of the Earth and Planetary Interiors, 1985, 41, 186-198.	0.7	69
61	Low-Enthalpy Geothermal Resources for Power Generation. , 0, , .		36