

Srilert Chotpantararat

List of Publications by Year in descending order

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49
papers

1,347
citations

394421

19
h-index

361022

35
g-index

50
all docs

50
docs citations

50
times ranked

1477
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy metal contamination and human health risk assessment in drinking water from shallow groundwater wells in an agricultural area in Ubon Ratchathani province, Thailand. <i>Environmental Geochemistry and Health</i> , 2014, 36, 169-182.	3.4	374
2	Facilitated transport of cadmium with montmorillonite KSF colloids under different pH conditions in water-saturated sand columns: Experiment and transport modeling. <i>Water Research</i> , 2018, 146, 216-231.	11.3	75
3	Effects of kaolinite colloids on Cd ²⁺ transport through saturated sand under varying ionic strength conditions: Column experiments and modeling approaches. <i>Journal of Contaminant Hydrology</i> , 2015, 182, 146-156.	3.3	59
4	Using hair and fingernails in binary logistic regression for bio-monitoring of heavy metals/metalloid in groundwater in intensively agricultural areas, Thailand. <i>Environmental Research</i> , 2018, 162, 106-118.	7.5	59
5	Effect of pH on transport of Pb ²⁺ , Mn ²⁺ , Zn ²⁺ and Ni ²⁺ through lateritic soil: Column experiments and transport modeling. <i>Journal of Environmental Sciences</i> , 2011, 23, 640-648.	6.1	51
6	Competitive sorption and transport of Pb ²⁺ , Ni ²⁺ , Mn ²⁺ , and Zn ²⁺ in lateritic soil columns. <i>Journal of Hazardous Materials</i> , 2011, 190, 391-396.	12.4	47
7	Impacts of land-use changes on watershed discharge and water quality in a large intensive agricultural area in Thailand. <i>Hydrological Sciences Journal</i> , 2018, 63, 1386-1407.	2.6	43
8	Hydrogeologic characteristics and groundwater potentiality mapping using potential surface analysis in the Huay Sai area, Phetchaburi province, Thailand. <i>Geosciences Journal</i> , 2014, 18, 89-103.	1.2	36
9	Risk assessment of arsenic from contaminated soils to shallow groundwater in Ong Phra Sub-District, Suphan Buri Province, Thailand. <i>Journal of Hydrology: Regional Studies</i> , 2018, 19, 80-96.	2.4	34
10	Using urine as a biomarker in human exposure risk associated with arsenic and other heavy metals contaminating drinking groundwater in intensively agricultural areas of Thailand. <i>Environmental Geochemistry and Health</i> , 2018, 40, 323-348.	3.4	33
11	Metagenomic insights into microbial diversity in a groundwater basin impacted by a variety of anthropogenic activities. <i>Environmental Science and Pollution Research</i> , 2019, 26, 26765-26781.	5.3	32
12	Mechanisms of arsenic contamination associated with hydrochemical characteristics in coastal alluvial aquifers using multivariate statistical technique and hydrogeochemical modeling: a case study in Rayong province, eastern Thailand. <i>Environmental Geochemistry and Health</i> , 2021, 43, 537-566.	3.4	32
13	Effects of humic acid amendment on the mobility of heavy metals (Co, Cu, Cr, Mn, Ni, Pb, and Zn) in gold mine tailings in Thailand. <i>Arabian Journal of Geosciences</i> , 2015, 8, 7589-7600.	1.3	29
14	Non-Carcinogenic Hazard Maps of Heavy Metal Contamination in Shallow Groundwater for Adult and Aging Populations at an Agricultural Area in Northeastern Thailand. <i>Human and Ecological Risk Assessment (HERA)</i> , 2014, 20, 689-703.	3.4	28
15	Ground-Source Heat Pumps with Horizontal Heat Exchangers for Space Cooling in the Hot Tropical Climate of Thailand. <i>Energies</i> , 2019, 12, 1274.	3.1	28
16	Watershed Prioritization of Kaeng Lawa Sub-Watershed, Khon Kaen Province Using the Morphometric and Land-Use Analysis: A Case Study of Heavy Flooding Caused by Tropical Storm Podul. <i>Water (Switzerland)</i> , 2020, 12, 1570.	2.7	25
17	Experimental and modelling investigations of tracer transport in variably saturated agricultural soil of Thailand: Column study. <i>Sustainable Environment Research</i> , 2016, 26, 97-101.	4.2	24
18	Hydrochemical, geophysical and multivariate statistical investigation of the seawater intrusion in the coastal aquifer at Phetchaburi Province, Thailand. <i>Journal of Asian Earth Sciences</i> , 2020, 191, 104165.	2.3	24

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19	A Pilot Study on Geothermal Heat Pump (GHP) Use for Cooling Operations, and on GHP Site Selection in Tropical Regions Based on a Case Study in Thailand. <i>Energies</i> , 2018, 11, 2356.	3.1	23
20	Natural and anthropogenic factors influencing hydrochemical characteristics and heavy metals in groundwater surrounding a gold mine, Thailand. <i>Journal of Asian Earth Sciences</i> , 2021, 211, 104692.	2.3	22
21	Human biomarkers associated with low concentrations of arsenic (As) and lead (Pb) in groundwater in agricultural areas of Thailand. <i>Scientific Reports</i> , 2021, 11, 13896.	3.3	20
22	Multivariate Statistical Analysis of Hydrochemical Data and Stable Isotopes of Groundwater Contaminated with Nitrate at Huay Sai Royal Development Study Center and Adjacent Areas in Phetchaburi Province, Thailand. <i>Water (Switzerland)</i> , 2020, 12, 1127.	2.7	19
23	Spatial distribution and health risk assessment of As and Pb contamination in the groundwater of Rayong Province, Thailand. <i>Environmental Research</i> , 2022, 204, 111838.	7.5	19
24	Factors controlling the release of metals and a metalloid from the tailings of a gold mine in Thailand. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2018, 18, 109-119.	0.9	18
25	Impacts of salinity level and flood irrigation on Cd mobility through a Cd-contaminated soil, Thailand: experimental and modeling techniques. <i>Journal of Soils and Sediments</i> , 2019, 19, 2357-2373.	3.0	16
26	Related health risk assessment of exposure to arsenic and some heavy metals in gold mines in Banmauk Township, Myanmar. <i>Scientific Reports</i> , 2021, 11, 22843.	3.3	16
27	A Study on the Operational Condition of a Ground Source Heat Pump in Bangkok Based on a Field Experiment and Simulation. <i>Energies</i> , 2020, 13, 274.	3.1	15
28	Mapping Potential Zones for Groundwater Recharge Using a GIS Technique in the Lower Khwae Hanuman Sub-Basin Area, Prachin Buri Province, Thailand. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	13
29	Influences of pH on transport of arsenate (As ⁵⁺) through different reactive media using column experiments and transport modeling. <i>Scientific Reports</i> , 2020, 10, 3512.	3.3	12
30	Microbial community structure in aquifers associated with arsenic: analysis of 16S rRNA and arsenite oxidase genes. <i>PeerJ</i> , 2021, 9, e10653.	2.0	12
31	Numerical simulations on potential application of ground source heat pumps with vertical ground heat exchangers in Bangkok and Hanoi. <i>Energy Reports</i> , 2021, 7, 6932-6944.	5.1	12
32	Multivariate statistical analysis of the hydrochemical characteristics of a volcano sedimentary aquifer in Saraburi Province, Thailand. <i>Journal of Hydrology: Regional Studies</i> , 2020, 32, 100745.	2.4	11
33	Effects of Arsenic and Iron on the Community and Abundance of Arsenite-Oxidizing Bacteria in an Arsenic-Affected Groundwater Aquifer. <i>Current Microbiology</i> , 2021, 78, 1324-1334.	2.2	11
34	Response of the flood peak to the spatial distribution of rainfall in the Yom River basin, Thailand. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 2871-2887.	4.0	8
35	Spatial Evolution of Coastal Tourist City Using the Dyna-CLUE Model in Koh Chang of Thailand during 1990-2050. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 49.	2.9	8
36	A Review of Ground Source Heat Pump Application for Space Cooling in Southeast Asia. <i>Energies</i> , 2022, 15, 4992.	3.1	7

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37	Statistical analysis of rainfall variations in the Bangkok urban area, Thailand. <i>Arabian Journal of Geosciences</i> , 2015, 8, 4207-4219.	1.3	6
38	Removal of Cd ²⁺ , Pb ²⁺ , and Zn ²⁺ from contaminated water using dolomite powder. <i>Human and Ecological Risk Assessment (HERA)</i> , 2017, 23, 1178-1192.	3.4	6
39	Variations of characteristics of consecutive rainfall days over northern Thailand. <i>Theoretical and Applied Climatology</i> , 2018, 133, 737-749.	2.8	6
40	Arsenic speciation, the abundance of arsenite-oxidizing bacteria and microbial community structures in groundwater, surface water, and soil from a gold mine. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 769-785.	1.7	6
41	Acid mine drainage potential of waste rocks in a gold mine (Thailand): application of a weathering cell test and multivariate statistical analysis. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1049-1079.	3.4	5
42	Kaolinite and Cd ²⁺ Transport and Interaction in Sand Media: Batch and Column Experiments. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2016, 27, 195-202.	0.6	5
43	Isotope Evidence of Rainfall and Groundwater for Tracing Recharge Areas in Kaeng Khoi District, Saraburi Province, Thailand. <i>Applied Environmental Research</i> , 2016, , 49-58.	0.6	4
44	Groundwater Recharge Potential Using GIS around the Land Development Facilities of Chulalongkorn University at Kaeng Khoi District, Saraburi Province, Thailand. <i>Applied Environmental Research</i> , 2015, , 75-83.	0.6	3
45	Flood mitigation due to extreme rainfall events in the inner Bangkok, Thailand. <i>Natural Hazards</i> , 2014, 73, 1957-1975.	3.4	2
46	Evaluation and Short-Term Test on Potential Utilization of Ground Source Heat Pump for Space Cooling in Southeast Asia. <i>Lecture Notes in Civil Engineering</i> , 2021, , 745-770.	0.4	2
47	The Analysis of Shallow Groundwater Quality around Laemchabang Sanitary Landfill, Chonburi, Thailand. <i>Advanced Materials Research</i> , 0, 931-932, 716-720.	0.3	1
48	Determination of rainfall data for direct runoff prediction in monsoon region: a case study in the Upper Yom basin, Thailand. <i>Natural Hazards</i> , 0, , 1.	3.4	1
49	Assessment of groundwater dynamics in Quaternary aquifers of the Phrae Basin, northern Thailand, using isotope techniques. <i>Hydrogeology Journal</i> , 2022, 30, 1091-1109.	2.1	1