Srilert Chotpantarat

List of Publications by Year
in descending order

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Version: 2024-02-01

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	Acid mine drainage potential of waste rocks in a gold mine (Thailand): application of a weathering cell test and multivariate statistical analysis. Environmental Geochemistry and Health, 2022, 44, 1049-1079.	3.4	5
2	Spatial distribution and health risk assessment of As and Pb contamination in the groundwater of Rayong Province, Thailand. Environmental Research, 2022, 204, 111838.	7.5	19
3	Spatial Evolution of Coastal Tourist City Using the Dyna-CLUE Model in Koh Chang of Thailand during 1990â€“2050. ISPRS International Journal of Geo-Information, 2022, 11, 49.	2.9	8
4	Assessment of groundwater dynamics in Quaternary aquifers of the Phrae Basin, northern Thailand, using isotope techniques. Hydrogeology Journal, 2022, 30, 1091-1109.	2.1	1
5	A Review of Ground Source Heat Pump Application for Space Cooling in Southeast Asia. Energies, 2022, 15, 4992.	3.1	7
6	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. Environmental Geochemistry and Health, 2021, 43, 537-566.	3.4	32
7	Microbial community structure in aquifers associated with arsenic: analysis of 16S rRNA and arsenite oxidase genes. PeerJ, 2021, 9, e10653.	2.0	12
8	Effects of Arsenic and Iron on the Community and Abundance of Arsenite-Oxidizing Bacteria in an Arsenic-Affected Groundwater Aquifer. Current Microbiology, 2021, 78, 1324-1334.	2.2	11
9	Natural and anthropogenic factors influencing hydrochemical characteristics and heavy metals in groundwater surrounding a gold mine, Thailand. Journal of Asian Earth Sciences, 2021, 211, 104692.	2.3	22
10	Arsenic speciation, the abundance of arsenite-oxidizing bacteria and microbial community structures in groundwater, surface water, and soil from a gold mine. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2021, 56, 769-785.	1.7	6
11	Human biomarkers associated with low concentrations of arsenic (As) and lead (Pb) in groundwater in agricultural areas of Thailand. Scientific Reports, 2021, 11, 13896.	3.3	20
12	Mapping Potential Zones for Groundwater Recharge Using a GIS Technique in the Lower Khwae Hanuman Sub-Basin Area, Prachin Buri Province, Thailand. Frontiers in Earth Science, 2021, 9, .	1.8	13
13	Evaluation and Short-Term Test on Potential Utilization of Ground Source Heat Pump for Space Cooling in Southeast Asia. Lecture Notes in Civil Engineering, 2021, , 745-770.	0.4	2
14	Numerical simulations on potential application of ground source heat pumps with vertical ground heat exchangers in Bangkok and Hanoi. Energy Reports, 2021, 7, 6932-6944.	5.1	12
15	Related health risk assessment of exposure to arsenic and some heavy metals in gold mines in Banmauk Township, Myanmar. Scientific Reports, 2021, 11, 22843.	3.3	16
16	Hydrochemical, geophysical and multivariate statistical investigation of the seawater intrusion in the coastal aquifer at Phetchaburi Province, Thailand. Journal of Asian Earth Sciences, 2020, 191, 104165.	2.3	24
17	Multivariate statistical analysis of the hydrochemical characteristics of a volcano sedimentary aquifer in Saraburi Province, Thailand. Journal of Hydrology: Regional Studies, 2020, 32, 100745.	2.4	11
18	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. Water (Switzerland), 2020, 12, 1570.	2.7	25

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19	Influences of pH on transport of arsenate (As5+) through different reactive media using column experiments and transport modeling. Scientific Reports, 2020, 10, 3512.	3.3	12
20	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. Water (Switzerland), 2020, 12, 1127.	2.7	19
21	A Study on the Operational Condition of a Ground Source Heat Pump in Bangkok Based on a Field Experiment and Simulation. Energies, 2020, 13, 274.	3.1	15
22	Metagenomic insights into microbial diversity in a groundwater basin impacted by a variety of anthropogenic activities. Environmental Science and Pollution Research, 2019, 26, 26765-26781.	5.3	32
23	Ground-Source Heat Pumps with Horizontal Heat Exchangers for Space Cooling in the Hot Tropical Climate of Thailand. Energies, 2019, 12, 1274.	3.1	28
24	Impacts of salinity level and flood irrigation on Cd mobility through a Cd-contaminated soil, Thailand: experimental and modeling techniques. Journal of Soils and Sediments, 2019, 19, 2357-2373.	3.0	16
25	Using hair and fingernails in binary logistic regression for bio-monitoring of heavy metals/metalloid in groundwater in intensively agricultural areas, Thailand. Environmental Research, 2018, 162, 106-118.	7.5	59
26	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. Environmental Geochemistry and Health, 2018, 40, 323-348.	3.4	33
27	Variations of characteristics of consecutive rainfall days over northern Thailand. Theoretical and Applied Climatology, 2018, 133, 737-749.	2.8	6
28	Factors controlling the release of metals and a metalloid from the tailings of a gold mine in Thailand. Geochemistry: Exploration, Environment, Analysis, 2018, 18, 109-119.	0.9	18
29	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. Energies, 2018, 11, 2356.	3.1	23
30	Response of the flood peak to the spatial distribution of rainfall in the Yom River basin, Thailand. Stochastic Environmental Research and Risk Assessment, 2018, 32, 2871-2887.	4.0	8
31	Risk assessment of arsenic from contaminated soils to shallow groundwater in Ong Phra Sub-District, Suphan Buri Province, Thailand. Journal of Hydrology: Regional Studies, 2018, 19, 80-96.	2.4	34
32	Facilitated transport of cadmium with montmorillonite KSF colloids under different pH conditions in water-saturated sand columns: Experiment and transport modeling. Water Research, 2018, 146, 216-231.	11.3	75
33	Impacts of land-use changes on watershed discharge and water quality in a large intensive agricultural area in Thailand. Hydrological Sciences Journal, 2018, 63, 1386-1407.	2.6	43
34	Removal of Cd²⁺, Pb²⁺, and Zn²⁺ from contaminated water using dolomite powder. Human and Ecological Risk Assessment (HERA), 2017, 23, 1178-1192.	3.4	6
35	Experimental and modelling investigations of tracer transport in variably saturated agricultural soil of Thailand: Column study. Sustainable Environment Research, 2016, 26, 97-101.	4.2	24
36	Kaolinite and Cd2+ Transport and Interaction in Sand Media: Batch and Column Experiments. Terrestrial, Atmospheric and Oceanic Sciences, 2016, 27, 195-202.	0.6	5

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37	Isotope Evidence of Rainfall and Groundwater for Tracing Recharge Areas in Kaeng Khoi District, Saraburi Province, Thailand. Applied Environmental Research, 2016, , 49-58.	0.6	4
38	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. Arabian Journal of Geosciences, 2015, 8, 7589-7600.	1.3	29
39	Effects of kaolinite colloids on Cd2+ transport through saturated sand under varying ionic strength conditions: Column experiments and modeling approaches. Journal of Contaminant Hydrology, 2015, 182, 146-156.	3.3	59
40	Statistical analysis of rainfall variations in the Bangkok urban area, Thailand. Arabian Journal of Geosciences, 2015, 8, 4207-4219.	1.3	6
41	Groundwater Recharge Potential Using GIS around the Land Development Facilities of Chulalongkorn University at Kaeng Khoi District, Saraburi Province, Thailand. Applied Environmental Research, 2015, , 75-83.	0.6	3
42	Non-Carcinogenic Hazard Maps of Heavy Metal Contamination in Shallow Groundwater for Adult and Aging Populations at an Agricultural Area in Northeastern Thailand. Human and Ecological Risk Assessment (HERA), 2014, 20, 689-703.	3.4	28
43	Heavy metal contamination and human health risk assessment in drinking water from shallow groundwater wells in an agricultural area in Ubon Ratchathani province, Thailand. Environmental Geochemistry and Health, 2014, 36, 169-182.	3.4	374
44	Hydrogeologic characteristics and groundwater potentiality mapping using potential surface analysis in the Huay Sai area, Phetchaburi province, Thailand. Geosciences Journal, 2014, 18, 89-103.	1.2	36
45	Flood mitigation due to extreme rainfall events in the inner Bangkok, Thailand. Natural Hazards, 2014, 73, 1957-1975.	3.4	2
46	Effect of pH on transport of Pb2+, Mn2+, Zn2+ and Ni2+ through lateritic soil: Column experiments and transport modeling. Journal of Environmental Sciences, 2011, 23, 640-648.	6.1	51
47	Competitive sorption and transport of Pb2+, Ni2+, Mn2+, and Zn2+ in lateritic soil columns. Journal of Hazardous Materials, 2011, 190, 391-396.	12.4	47
48	The Analysis of Shallow Groundwater Quality around Laemchabang Sanitary Landfill, Chonburi, Thailand. Advanced Materials Research, 0, 931-932, 716-720.	0.3	1
49	Determination of rainfall data for direct runoff prediction in monsoon region: a case study in the Upper Yom basin, Thailand. Natural Hazards, 0, , 1.	3.4	1