

Cheng-Haw Lee

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,948
citations

236612

25
h-index

253896

43
g-index

56
all docs

56
docs citations

56
times ranked

1703
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping groundwater recharge potential zone using a GIS approach in Hualian River, Taiwan. Sustainable Environment Research, 2016, 26, 33-43.	2.1	275
2	GIS for the assessment of the groundwater recharge potential zone. Environmental Geology, 2009, 58, 185-195.	1.2	231
3	A simultaneous successive linear estimator and a guide for hydraulic tomography analysis. Water Resources Research, 2009, 45, .	1.7	114
4	Hydraulic Tomography for Detecting Fracture Zone Connectivity. Ground Water, 2008, 46, 183-192.	0.7	83
5	Estimation of groundwater recharge using water balance coupled with base-flow-record estimation and stable-base-flow analysis. Environmental Geology, 2006, 51, 73-82.	1.2	78
6	Time to Change the Way We Collect and Analyze Data for Aquifer Characterization. Ground Water, 2007, 45, 116-118.	0.7	62
7	Oxygen and hydrogen isotopes for the characteristics of groundwater recharge: a case study from the Chih-Pen Creek basin, Taiwan. Environmental Earth Sciences, 2011, 62, 393-402.	1.3	59
8	Identifying Seasonal Groundwater Recharge Using Environmental Stable Isotopes. Water (Switzerland), 2014, 6, 2849-2861.	1.2	55
9	Application of fracture network model with crack permeability tensor on flow and transport in fractured rock. Engineering Geology, 2010, 116, 166-177.	2.9	51
10	The impact of tunneling construction on the hydrogeological environment of Tseng-Wen Reservoir Transbasin Diversion Project in Taiwan. Engineering Geology, 2009, 103, 39-58.	2.9	50
11	Uniqueness, scale, and resolution issues in groundwater model parameter identification. Water Science and Engineering, 2015, 8, 175-194.	1.4	50
12	A view toward the future of subsurface characterization: CAT scanning groundwater basins. Water Resources Research, 2008, 44, .	1.7	44
13	Necessary conditions for inverse modeling of flow through variably saturated porous media. Advances in Water Resources, 2013, 52, 50-61.	1.7	44
14	A continuum approach for estimating permeability in naturally fractured rocks. Engineering Geology, 1995, 39, 71-85.	2.9	43
15	Estimating ground-water recharge from streamflow records. Environmental Geology, 2003, 44, 257-265.	1.2	43
16	Modeling spatial fracture intensity as a control on flow in fractured rock. Environmental Earth Sciences, 2011, 63, 1199-1211.	1.3	41
17	Spatial and Temporal Streamflow Trends in Northern Taiwan. Water (Switzerland), 2015, 7, 634-651.	1.2	40
18	Groundwater recharge and exploitative potential zone mapping using GIS and GOD techniques. Environmental Earth Sciences, 2013, 68, 267-280.	1.3	39

#	ARTICLE	IF	CITATIONS
19	Cross-correlation analysis and information content of observed heads during pumping in unconfined aquifers. <i>Water Resources Research</i> , 2013, 49, 713-731.	1.7	39
20	A revisit of drawdown behavior during pumping in unconfined aquifers. <i>Water Resources Research</i> , 2011, 47, .	1.7	37
21	Joint interpretation of sequential pumping tests in unconfined aquifers. <i>Water Resources Research</i> , 2013, 49, 1782-1796.	1.7	35
22	Estimation of groundwater recharge using water balance model. <i>Water Resources</i> , 2007, 34, 153-162.	0.3	30
23	River stage tomography: A new approach for characterizing groundwater basins. <i>Water Resources Research</i> , 2009, 45, .	1.7	30
24	Soil water balance model for precipitation-induced shallow landslides. <i>Environmental Earth Sciences</i> , 2013, 70, 2691-2701.	1.3	27
25	GIS and SBF for estimating groundwater recharge of a mountainous basin in the Wu River watershed, Taiwan. <i>Journal of Earth System Science</i> , 2014, 123, 503-516.	0.6	26
26	An optimal water allocation for an irrigation district in Pingtung County, Taiwan. <i>Irrigation and Drainage</i> , 2009, 58, 287-306.	0.8	25
27	Estimation of groundwater recharge using the soil moisture budget method and the base-flow model. <i>Environmental Geology</i> , 2008, 54, 1787-1797.	1.2	20
28	SDI and Markov Chains for Regional Drought Characteristics. <i>Sustainability</i> , 2015, 7, 10789-10808.	1.6	20
29	A Water Budget Model for the Yun-Lin Plain, Taiwan. <i>Water Resources Management</i> , 2005, 19, 483-504.	1.9	19
30	Dynamic analysis of the infiltration rate of artificial recharge of groundwater: a case study of Wanglong Lake, Pingtung, Taiwan. <i>Environmental Earth Sciences</i> , 2011, 63, 77-85.	1.3	19
31	Why Hydraulic Tomography Works?. <i>Ground Water</i> , 2014, 52, 168-172.	0.7	19
32	Electrical resistivity tomography applied to groundwater aquifer at downstream of Chih-Ben Creek basin, Taiwan. <i>Environmental Earth Sciences</i> , 2015, 73, 4681-4687.	1.3	17
33	Fusion of hydrologic and geophysical tomographic surveys. <i>Geosciences Journal</i> , 2008, 12, 159-167.	0.6	16
34	Fluid flow and connectivity in fractured rock. <i>Water Resources Management</i> , 1993, 7, 169-184.	1.9	14
35	Infiltration mechanism simulation of artificial groundwater recharge: a case study at Pingtung Plain, Taiwan. <i>Environmental Earth Sciences</i> , 2010, 60, 1353-1360.	1.3	13
36	Basin-scale groundwater response to precipitation variation and anthropogenic pumping in Chih-Ben watershed, Taiwan. <i>Hydrogeology Journal</i> , 2012, 20, 499-517.	0.9	13

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37	Evaluation of transport of radioactive contaminant in fractured rock. <i>Environmental Geology</i> , 2001, 41, 440-450.	1.2	12
38	Rainfall characteristics for anisotropic conductivity of unsaturated soil slopes. <i>Environmental Earth Sciences</i> , 2015, 73, 8669-8681.	1.3	12
39	Noninvasive survey technology for LNAPL-contaminated site investigation. <i>Journal of Hydrology</i> , 2020, 587, 125002.	2.3	11
40	Evaluation of Climate Change Impact on Groundwater Recharge in Groundwater Regions in Taiwan. <i>Water (Switzerland)</i> , 2021, 13, 1153.	1.2	11
41	The effect of the variation of river water levels on the estimation of groundwater recharge in the Hsinhuwei River, Taiwan. <i>Environmental Earth Sciences</i> , 2010, 59, 1297-1307.	1.3	10
42	Estimating aquifer transmissivity in a basin based on stream hydrograph records using an analytical approach. <i>Environmental Earth Sciences</i> , 2011, 63, 461-468.	1.3	10
43	Estimating mountain block recharge to downstream alluvial aquifers from standard methods. <i>Journal of Hydrology</i> , 2012, 426-427, 93-102.	2.3	10
44	Mapping soil layers using electrical resistivity tomography and validation: Sandbox experiments. <i>Journal of Hydrology</i> , 2019, 575, 523-536.	2.3	10
45	Potentially toxic trace elements accumulating in marine sediment and bivalves in the outfall area of a desalination plant. <i>Desalination and Water Treatment</i> , 2011, 25, 106-112.	1.0	8
46	Combining gray system and poroelastic models to investigate subsidence problems in Tainan, Taiwan. <i>Environmental Earth Sciences</i> , 2015, 73, 7237-7253.	1.3	8
47	An approach to evaluate groundwater recharge from streamflow and groundwater records. <i>Geosciences Journal</i> , 2013, 17, 353-362.	0.6	7
48	Percolation and Dispersion of Mass Transport in Saturated Fracture Networks. <i>Water Resources Management</i> , 1998, 12, 409-432.	1.9	5
49	Reproducibility of hydraulic tomography estimates and their predictions: A two-year case study in Taiwan. <i>Journal of Hydrology</i> , 2019, 569, 117-134.	2.3	4
50	Attribution of Streamflow Variations in Southern Taiwan. <i>Water (Switzerland)</i> , 2020, 12, 2465.	1.2	3
51	An innovative emergency transportation scenario for mass casualty incident management. <i>Medicine (United States)</i> , 2021, 100, e24482.	0.4	2
52	Pollutant trends and hazard ranking in the desalination area of the Penghu Islands, Taiwan. <i>Desalination</i> , 2011, 281, 159-164.	4.0	1
53	Application of Neural Network Model to Evaluate Hydro-Geological Parameters. , 2009, , .		0
54	Study of the Reducing Carbon Emission by Using Hot Spring Eggs. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
55	Non-invasive survey technology for estimating the distribution of oxidant solution: A pilot injection study. <i>Journal of Contaminant Hydrology</i> , 2021, 239, 103779.	1.6	0