

Chu-Lin Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,036
citations

759055

12
h-index

642610

23
g-index

26
all docs

26
docs citations

26
times ranked

1254
citing authors

#	ARTICLE	IF	CITATIONS
1	Generalized Modeling of Spontaneous Imbibition Based on Hagen-Poiseuille Flow in Tortuous Capillaries with Variably Shaped Apertures. <i>Langmuir</i> , 2014, 30, 5142-5151.	1.6	475
2	Neutron imaging of hydrogen-rich fluids in geomaterials and engineered porous media: A review. <i>Earth-Science Reviews</i> , 2014, 129, 120-135.	4.0	128
3	Water calibration measurements for neutron radiography: Application to water content quantification in porous media. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 708, 24-31.	0.7	72
4	Rapid imbibition of water in fractures within unsaturated sedimentary rock. <i>Advances in Water Resources</i> , 2015, 77, 82-89.	1.7	59
5	Neutron imaging reveals internal plant water dynamics. <i>Plant and Soil</i> , 2013, 366, 683-693.	1.8	45
6	A NUMERICAL STUDY ON FRACTAL DIMENSIONS OF CURRENT STREAMLINES IN TWO-DIMENSIONAL AND THREE-DIMENSIONAL PORE FRACTAL MODELS OF POROUS MEDIA. <i>Fractals</i> , 2015, 23, 1540012.	1.8	45
7	Lead removal from aqueous solutions using biochars derived from corn stover, orange peel, and pistachio shell. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 5817-5826.	1.8	31
8	Diffusivity and Sorptivity of Berea Sandstone Determined using Neutron Radiography. <i>Vadose Zone Journal</i> , 2013, 12, 1-8.	1.3	26
9	Average Soil Water Retention Curves Measured by Neutron Radiography. <i>Soil Science Society of America Journal</i> , 2012, 76, 1184-1191.	1.2	25
10	Capillary pressure - saturation relationships for gas shales measured using a water activity meter. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 33, 1342-1352.	2.1	23
11	Multiple pixel-scale soil water retention curves quantified by neutron radiography. <i>Advances in Water Resources</i> , 2014, 65, 1-8.	1.7	21
12	Effect of land use change for bioenergy production on feedstock cost and water quality. <i>Applied Energy</i> , 2018, 210, 580-590.	5.1	20
13	Permeation of BTEX compounds through HDPE pipes under simulated field conditions. <i>Journal - American Water Works Association</i> , 2010, 102, 107-118.	0.2	11
14	Permeation of Petroleum-Based Hydrocarbons through PVC Pipe Joints with Rieber Gasket Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2011, 137, 1128-1135.	0.7	8
15	Sensitivity of injection costs to input petrophysical parameters in numerical geologic carbon sequestration models. <i>International Journal of Greenhouse Gas Control</i> , 2013, 18, 277-284.	2.3	8
16	Impact of the capillary pressure-saturation pore-size distribution parameter on geological carbon sequestration estimates. <i>Journal of Sustainable Mining</i> , 2017, 16, 67-72.	0.1	8
17	Forward Prediction of Height-Averaged Capillary Pressure-Saturation Parameters Using the BC-G Upscaler. <i>Vadose Zone Journal</i> , 2013, 12, 1-9.	1.3	7
18	Reply to: Comment on "neutron imaging reveals internal plant water dynamics". <i>Plant and Soil</i> , 2013, 371, 15-17.	1.8	6

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19	Microscopic Visualization Technique to Predict the Permeation of Organic Solvents through PVC Pipes in Water Distribution Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2011, 137, 137-145.	0.7	4
20	Groundwater vulnerability assessment of shallow aquifer in the South Texas sand sheet using a GIS-based DRASTIC model. <i>Modeling Earth Systems and Environment</i> , 2022, 8, 4075-4091.	1.9	4
21	Permeation of gasoline through DI pipe gaskets in water mains. <i>Journal - American Water Works Association</i> , 2012, 104, E271.	0.2	3
22	Evaluation of TrueCell program for estimating point capillary pressure α_c saturation parameters for Flint sand. <i>Geoderma</i> , 2017, 287, 90-97.	2.3	2
23	Compost and Biochar to Promote Soil Biological Activities under Sweet Potatoes Cultivation in a Subtropical Semiarid Region. <i>Applied and Environmental Soil Science</i> , 2020, 2020, 1-11.	0.8	2
24	SIGNIFICANCE OF SOUTH TEXAS SAND SHEET IN WATER RESOURCE MANAGEMENT FOR LOWER RIO GRANDE VALLEY. , 2016, , .		2
25	Upscaling Capillary Pressure-Saturation Functions Using Different Reference Pressure Elevations. <i>Vadose Zone Journal</i> , 2017, 16, vzt2017.03.0054.	1.3	0