

# Mingjie Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

711  
citations

623188

14  
h-index

552369

26  
g-index

37  
all docs

37  
docs citations

37  
times ranked

764  
citing authors

#	ARTICLE	IF	CITATIONS
1	Active CO <sub>2</sub> reservoir management for carbon storage: Analysis of operational strategies to relieve pressure buildup and improve injectivity. <i>International Journal of Greenhouse Gas Control</i> , 2012, 6, 230-245.	2.3	169
2	A three-electrode column for Pd-catalytic oxidation of TCE in groundwater with automatic pH-regulation and resistance to reduced sulfur compound foiling. <i>Water Research</i> , 2013, 47, 269-278.	5.3	51
3	An efficient optimization of well placement and control for a geothermal prospect under geological uncertainty. <i>Applied Energy</i> , 2015, 137, 352-363.	5.1	48
4	Regulation of Electrochemically Generated Ferrous Ions from an Iron Cathode for Pd-Catalytic Transformation of MTBE in Groundwater. <i>Environmental Science &amp; Technology</i> , 2013, 47, 7918-7926.	4.6	36
5	An efficient surrogate-based simulation-optimization method for calibrating a regional MODFLOW model. <i>Journal of Hydrology</i> , 2017, 544, 591-603.	2.3	33
6	Integrated Geothermal-CO <sub>2</sub> Reservoir Systems: Reducing Carbon Intensity through Sustainable Energy Production and Secure CO <sub>2</sub> Storage. <i>Energy Procedia</i> , 2013, 37, 6587-6594.	1.8	31
7	A surrogate-based sensitivity quantification and Bayesian inversion of a regional groundwater flow model. <i>Journal of Hydrology</i> , 2018, 557, 826-837.	2.3	29
8	Surrogate-based optimization of hydraulic fracturing in pre-existing fracture networks. <i>Computers and Geosciences</i> , 2013, 58, 69-79.	2.0	24
9	A stochastic analysis of steady state two-phase flow in heterogeneous media. <i>Water Resources Research</i> , 2005, 41, .	1.7	21
10	Pre-injection Brine Production for Managing Pressure in Compartmentalized CO <sub>2</sub> Storage Reservoirs. <i>Energy Procedia</i> , 2014, 63, 5333-5340.	1.8	21
11	Integrating CO <sub>2</sub> Storage with Geothermal Resources for Dispatchable Renewable Electricity. <i>Energy Procedia</i> , 2014, 63, 7619-7630.	1.8	20
12	Groundwater recharge estimation in arid hardrockâ€œAlluvium aquifers using combined waterâ€œtable fluctuation and groundwater balance approaches. <i>Hydrological Processes</i> , 2017, 31, 3437-3451.	1.1	18
13	A critical review of environmental and public health impacts from the activities of evaporation ponds. <i>Science of the Total Environment</i> , 2021, 796, 149065.	3.9	18
14	Effect of spreading coefficient on three-phase relative permeability of nonaqueous phase liquids. <i>Water Resources Research</i> , 2003, 39, .	1.7	17
15	Stochastic Techno-economic Analysis of CO <sub>2</sub> -circulated Geothermal Energy Production in a Closed Reservoir System. <i>Geothermics</i> , 2021, 96, 102202.	1.5	15
16	Microbially enhanced dissolution and reductive dechlorination of PCE by a mixed culture: Model validation and sensitivity analysis. <i>Journal of Contaminant Hydrology</i> , 2013, 151, 117-130.	1.6	14
17	Groundwater Modeling and Sustainability of a Transboundary Hardrockâ€œAlluvium Aquifer in North Oman Mountains. <i>Water (Switzerland)</i> , 2017, 9, 161.	1.2	14
18	Development and surrogate-based calibration of a CO <sub>2</sub> reservoir model. <i>Journal of Hydrology</i> , 2020, 586, 124798.	2.3	14

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19	Analysis of fault leakage from Leroy underground natural gas storage facility, Wyoming, USA. <i>Hydrogeology Journal</i> , 2013, 21, 1429-1445.	0.9	13
20	An efficient Bayesian inversion of a geothermal prospect using a multivariate adaptive regression spline method. <i>Applied Energy</i> , 2014, 136, 619-627.	5.1	13
21	Risk-based Stochastic Optimization of Evaporation Ponds as a Cost-Effective and Environmentally-Friendly Solution for the Disposal of Oil-Produced Water. <i>Journal of Water Process Engineering</i> , 2020, 38, 101607.	2.6	13
22	A review of geothermal energy status and potentials in Middle-East countries. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	12
23	Evaluation of CO <sub>2</sub> sequestration and circulation in fault-bounded thin geothermal reservoirs in North Oman using response surface methods. <i>Journal of Hydrology</i> , 2021, 598, 126411.	2.3	12
24	A stochastic analysis of transient two-phase flow in heterogeneous porous media. <i>Water Resources Research</i> , 2006, 42, .	1.7	11
25	Stochastic analysis of transient three-phase flow in heterogeneous porous media. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009, 23, 93-109.	1.9	7
26	Effects of Reduced Sulfur Compounds on Pd-Catalytic Hydrodechlorination of Trichloroethylene in Groundwater by Cathodic H <sub>2</sub> under Electrochemically Induced Oxidizing Conditions. <i>Environmental Science &amp; Technology</i> , 2013, 47, 130904143021003.	4.6	7
27	Impurity effect on clear water evaporation: toward modelling wastewater evaporation using ANN, ANFIS-SC and GEP techniques. <i>Hydrological Sciences Journal</i> , 2017, 62, 1856-1866.	1.2	7
28	Oxygenation of aquifers with fluctuating water table: A laboratory and modeling study. <i>Journal of Hydrology</i> , 2020, 590, 125261.	2.3	7
29	Optimal Water Allocation from Subsurface Dams: A Risk-Based Optimization Approach. <i>Water Resources Management</i> , 2021, 35, 4275-4290.	1.9	5
30	Use of Absolute Gravity Measurements to Monitor Groundwater in the Española Basin, New Mexico. , 2006, , .		3
31	Use closed reservoirs for CO <sub>2</sub> storage and heat recovery: A two-stage brine-extraction and CO <sub>2</sub> -circulation strategy. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102346.	1.7	3
32	Conditional simulations of water-oil flow in heterogeneous porous media. <i>Stochastic Environmental Research and Risk Assessment</i> , 2008, 22, 587-596.	1.9	2
33	Special issue on water resources in arid areas. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1.	0.6	1
34	Topical Collection: Coastal aquifers in the Middle East and North Africa region. <i>Hydrogeology Journal</i> , 2018, 26, 2543-2546.	0.9	1
35	Assessment of integrated CO <sub>2</sub> geologic storage and geothermal harvest in a semi-closed thin reservoir. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 49, 101773.	1.7	1
36	Recharge Estimation of Hardrock-Alluvium Al-Fara Aquifer, Oman Using Multiple Methods. <i>Advances in Science, Technology and Innovation</i> , 2019, , 313-315.	0.2	0