# Mingjie Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7159937/publications.pdf

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| 36 | 711 | 623734 | 552781 |
|---|---|---|---|
| papers | citations | 14 h-index | 26 g-index |

| 37 | 37 | 37 | 764 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Active CO2 reservoir management for carbon storage: Analysis of operational strategies to relieve pressure buildup and improve injectivity. International Journal of Greenhouse Gas Control, 2012, 6, 230-245. | 4.6 | 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. Water Research, 2013, 47, 269-278. | 11.3 | 51 |
| 3 | An efficient optimization of well placement and control for a geothermal prospect under geological uncertainty. Applied Energy, 2015, 137, 352-363. | 10.1 | 48 |
| 4 | Regulation of Electrochemically Generated Ferrous Ions from an Iron Cathode for Pd-Catalytic Transformation of MTBE in Groundwater. Environmental Science & Technology, 2013, 47, 7918-7926. | 10.0 | 36 |
| 5 | An efficient surrogate-based simulation-optimization method for calibrating a regional MODFLOW model. Journal of Hydrology, 2017, 544, 591-603. | 5.4 | 33 |
| 6 | Integrated Geothermal-CO2 Reservoir Systems: Reducing Carbon Intensity through Sustainable Energy Production and Secure CO2 Storage. Energy Procedia, 2013, 37, 6587-6594. | 1.8 | 31 |
| 7 | A surrogate-based sensitivity quantification and Bayesian inversion of a regional groundwater flow model. Journal of Hydrology, 2018, 557, 826-837. | 5.4 | 29 |
| 8 | Surrogate-based optimization of hydraulic fracturing in pre-existing fracture networks. Computers and Geosciences, 2013, 58, 69-79. | 4.2 | 24 |
| 9 | A stochastic analysis of steady state two-phase flow in heterogeneous media. Water Resources Research, 2005, 41, . | 4.2 | 21 |
| 10 | Pre-injection Brine Production for Managing Pressure in Compartmentalized CO2 Storage Reservoirs. Energy Procedia, 2014, 63, 5333-5340. | 1.8 | 21 |
| 11 | Integrating CO2 Storage with Geothermal Resources for Dispatchable Renewable Electricity. Energy Procedia, 2014, 63, 7619-7630. | 1.8 | 20 |
| 12 | Groundwater recharge estimation in arid hardrockâ€alluvium aquifers using combined waterâ€table fluctuation and groundwater balance approaches. Hydrological Processes, 2017, 31, 3437-3451. | 2.6 | 18 |
| 13 | A critical review of environmental and public health impacts from the activities of evaporation ponds. Science of the Total Environment, 2021, 796, 149065. | 8.0 | 18 |
| 14 | Effect of spreading coefficient on three-phase relative permeability of nonaqueous phase liquids. Water Resources Research, 2003, 39, . | 4.2 | 17 |
| 15 | Stochastic Techno-economic Analysis of CO2-circulated Geothermal Energy Production in a Closed Reservoir System. Geothermics, 2021, 96, 102202. | 3.4 | 15 |
| 16 | Microbially enhanced dissolution and reductive dechlorination of PCE by a mixed culture: Model validation and sensitivity analysis. Journal of Contaminant Hydrology, 2013, 151, 117-130. | 3.3 | 14 |
| 17 | Groundwater Modeling and Sustainability of a Transboundary Hardrockâ€“Alluvium Aquifer in North Oman Mountains. Water (Switzerland), 2017, 9, 161. | 2.7 | 14 |
| 18 | Development and surrogate-based calibration of a CO2 reservoir model. Journal of Hydrology, 2020, 586, 124798. | 5.4 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Analysis of fault leakage from Leroy underground natural gas storage facility, Wyoming, USA. Hydrogeology Journal, 2013, 21, 1429-1445. | 2.1 | 13 |
| 20 | An efficient Bayesian inversion of a geothermal prospect using a multivariate adaptive regression spline method. Applied Energy, 2014, 136, 619-627. | 10.1 | 13 |
| 21 | Risk-based Stochastic Optimization of Evaporation Ponds as a Cost-Effective and Environmentally-Friendly Solution for the Disposal of Oil-Produced Water. Journal of Water Process Engineering, 2020, 38, 101607. | 5.6 | 13 |
| 22 | A review of geothermal energy status and potentials in Middle-East countries. Arabian Journal of Geosciences, 2021, 14, 1. | 1.3 | 12 |
| 23 | Evaluation of CO2 sequestration and circulation in fault-bounded thin geothermal reservoirs in North Oman using response surface methods. Journal of Hydrology, 2021, 598, 126411. | 5.4 | 12 |
| 24 | A stochastic analysis of transient two-phase flow in heterogeneous porous media. Water Resources Research, 2006, 42, . | 4.2 | 11 |
| 25 | Stochastic analysis of transient three-phase flow in heterogeneous porous media. Stochastic Environmental Research and Risk Assessment, 2009, 23, 93-109. | 4.0 | 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. Environmental Science & Technology, 2013, 47, 130904143021003. | 10.0 | 7 |
| 27 | Impurity effect on clear water evaporation: toward modelling wastewater evaporation using ANN, ANFIS-SC and GEP techniques. Hydrological Sciences Journal, 2017, 62, 1856-1866. | 2.6 | 7 |
| 28 | Oxygenation of aquifers with fluctuating water table: A laboratory and modeling study. Journal of Hydrology, 2020, 590, 125261. | 5.4 | 7 |
| 29 | Optimal Water Allocation from Subsurface Dams: A Risk-Based Optimization Approach. Water Resources Management, 2021, 35, 4275-4290. | 3.9 | 5 |
| 30 | Use of Absolute Gravity Measurements to Monitor Groundwater in the EspaÃ±ola Basin, New Mexico. , 2006, , . | | 3 |
| 31 | Use closed reservoirs for CO2 storage and heat recovery: A two-stage brine-extraction and CO2-circulation strategy. Sustainable Energy Technologies and Assessments, 2022, 52, 102346. | 2.7 | 3 |
| 32 | Conditional simulations of waterâ€“oil flow in heterogeneous porous media. Stochastic Environmental Research and Risk Assessment, 2008, 22, 587-596. | 4.0 | 2 |
| 33 | Special issue on water resources in arid areas. Arabian Journal of Geosciences, 2017, 10, 1. | 1.3 | 1 |
| 34 | Topical Collection: Coastal aquifers in the Middle East and North Africa region. Hydrogeology Journal, 2018, 26, 2543-2546. | 2.1 | 1 |
| 35 | Assessment of integrated CO2 geologic storage and geothermal harvest in a semi-closed thin reservoir. Sustainable Energy Technologies and Assessments, 2022, 49, 101773. | 2.7 | 1 |
| 36 | Recharge Estimation of Hardrock-Alluvium Al-Fara Aquifer, Oman Using Multiple Methods. Advances in Science, Technology and Innovation, 2019, , 313-315. | 0.4 | 0 |