

Wolfram RÃ¼hli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3763359/publications.pdf>

Version: 2024-02-01

41
papers

1,122
citations

430442

18
h-index

395343

33
g-index

55
all docs

55
docs citations

55
times ranked

1022
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | The role of geological models and uncertainties in safety assessments. <i>Environmental Earth Sciences</i> , 2022, 81, 1. | 1.3 | 5 |
| 2 | Fully coupled analysis of consolidation by prefabricated vertical drains with applications of constant strain rate tests: Case studies and an open-source program. <i>Geotextiles and Geomembranes</i> , 2020, 48, 380-391. | 2.3 | 2 |
| 3 | CobWeb 1.0: machine learning toolbox for tomographic imaging. <i>Geoscientific Model Development</i> , 2020, 13, 315-334. | 1.3 | 6 |
| 4 | Application of the Vimokeâ€“Taylor concept for fully coupled models of consolidation by prefabricated vertical drains. <i>Computers and Geotechnics</i> , 2019, 116, 103201. | 2.3 | 4 |
| 5 | Relevance of computing freeze-thaw effects for borehole heat exchanger modelling: A comparative case study. <i>Geothermics</i> , 2019, 79, 164-175. | 1.5 | 19 |
| 6 | Fully hydro-mechanical coupled Plug-in (SUB+) in FEFLOW for analysis of land subsidence due to groundwater extraction. <i>SoftwareX</i> , 2019, 9, 15-19. | 1.2 | 13 |
| 7 | Groundwater flow and heat transport for systems undergoing freeze-thaw: Intercomparison of numerical simulators for 2D test cases. <i>Advances in Water Resources</i> , 2018, 114, 196-218. | 1.7 | 91 |
| 8 | Co-Simulation of Geothermal Applications and HVAC Systems. <i>Energy Procedia</i> , 2017, 125, 345-352. | 1.8 | 7 |
| 9 | Thermo-hydro-mechanical-chemical coupled modeling of a geothermally used fractured limestone. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2017, 100, 40-47. | 2.6 | 15 |
| 10 | Poroelastic Effects in an Enhanced Geothermal Reservoir, Horstberg, Germany. , 2017, , . | | 0 |
| 11 | Using seismic data to estimate the spatial distribution of rock thermal conductivity at reservoir scale. <i>Geothermics</i> , 2017, 66, 61-72. | 1.5 | 18 |
| 12 | Phase segmentation of X-ray computer tomography rock images using machine learning techniques: an accuracy and performance study. <i>Solid Earth</i> , 2016, 7, 1125-1139. | 1.2 | 40 |
| 13 | Characteristics of medium deep borehole thermal energy storage. <i>International Journal of Energy Research</i> , 2016, 40, 1855-1868. | 2.2 | 75 |
| 14 | BASIMO â€“ Borehole Heat Exchanger Array Simulation and Optimization Tool. <i>Energy Procedia</i> , 2016, 97, 210-217. | 1.8 | 16 |
| 15 | Modeling insulated borehole heat exchangers. <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 19 |
| 16 | Thermal strain in a water-saturated limestone under hydrostatic and deviatoric stress states. <i>Tectonophysics</i> , 2016, 688, 49-64. | 0.9 | 12 |
| 17 | Optimization of Mediumâ€“Deep Borehole Thermal Energy Storage Systems. <i>Energy Technology</i> , 2016, 4, 104-113. | 1.8 | 29 |
| 18 | Processing of rock core microtomography images: Using seven different machine learning algorithms. <i>Computers and Geosciences</i> , 2016, 86, 120-128. | 2.0 | 80 |

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Advanced shallow geothermal systems: Temperature induced cracking of backfill materials and system hydraulic conductivity. , 2016, , 203-208. | | 0 |
| 20 | Benchmarking Numerical Freeze/Thaw Models. Energy Procedia, 2015, 76, 301-310. | 1.8 | 31 |
| 21 | Over Exploitation of Groundwater in the Centre of Amman Zarqa Basinâ€™Jordan: Evaluation of Well Data and GRACE Satellite Observations. Resources, 2015, 4, 819-830. | 1.6 | 24 |
| 22 | Numerical simulation of a freezeâ€™thaw testing procedure for borehole heat exchanger grouts. Canadian Geotechnical Journal, 2015, 52, 1087-1100. | 1.4 | 14 |
| 23 | 3-D interpolation of subsurface temperature data with measurement error using kriging. Environmental Earth Sciences, 2015, 73, 1893-1900. | 1.3 | 20 |
| 24 | Upscaling thermal conductivities of sedimentary formations for geothermal exploration. Geothermics, 2015, 58, 49-61. | 1.5 | 28 |
| 25 | Seasonal High Temperature Heat Storage with Medium Deep Borehole Heat Exchangers. Energy Procedia, 2015, 76, 351-360. | 1.8 | 64 |
| 26 | Combining Numerical Modeling with Geostatistical Interpolation for an Improved Reservoir Exploration. Energy Procedia, 2014, 59, 315-322. | 1.8 | 16 |
| 27 | 3D hydro-mechanically coupled groundwater flow modelling of Pleistocene glaciation effects. Computers and Geosciences, 2014, 67, 89-99. | 2.0 | 14 |
| 28 | Comparison of Micro X-ray Computer Tomography Image Segmentation Methods: Artificial Neural Networks Versus Least Square Support Vector Machine. Lecture Notes in Earth System Sciences, 2014, , 141-145. | 0.5 | 0 |
| 29 | Dynamic numerical modeling of the usage of groundwater for cooling in north east Jordan â€™ A geothermal case study. Renewable Energy, 2014, 62, 63-72. | 4.3 | 20 |
| 30 | Thermo-Triax: An Apparatus for Testing Petrophysical Properties of Rocks Under Simulated Geothermal Reservoir Conditions. Geotechnical Testing Journal, 2014, 38, 20140056. | 0.5 | 11 |
| 31 | Finite element modeling of borehole heat exchanger systems. Computers and Geosciences, 2011, 37, 1136-1147. | 2.0 | 137 |
| 32 | Finite element modeling of borehole heat exchanger systems. Computers and Geosciences, 2011, 37, 1122-1135. | 2.0 | 145 |
| 33 | Detecting thermal anomalies within the Molasse Basin, southern Germany. Hydrogeology Journal, 2010, 18, 1897-1915. | 0.9 | 22 |
| 34 | Numerical Modeling of Geothermal Use of Mine Water: Challenges and Examples. Mine Water and the Environment, 2009, 28, 2-14. | 0.9 | 41 |
| 35 | 3D finite volume groundwater and heat transport modeling with non-orthogonal grids, using a coordinate transformation method. Advances in Water Resources, 2008, 31, 513-524. | 1.7 | 29 |
| 36 | A Java application for quality weighted 3-d interpolation. Computers and Geosciences, 2006, 32, 43-51. | 2.0 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | On the impact of explicitly predicted runoff on the simulated atmospheric response to small-scale land-use changes“an integrated modeling approach. Atmospheric Research, 2002, 63, 3-38. | 1.8 | 24 |
| 38 | Preliminary safety analyses in the high-level radioactive waste site selection procedure in Germany. Advances in Geosciences, 0, 56, 67-75. | 12.0 | 6 |
| 39 | Development of a database for the analysis of the disposal system in the representative preliminary safety analysis. , 0, 1, 39-40. | | 0 |
| 40 | Preliminary safety assessments in the high-level radioactive waste site selection procedure in Germany. , 0, 1, 37-38. | | 1 |
| 41 | From process to system understanding with multi-disciplinary investigation methods: set-up and first results of the CD-A experiment (Mont Terri rock laboratory). , 0, 1, 79-81. | | 1 |