

# Qi Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4615819/publications.pdf>

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14  
papers

359  
citations

686830

13  
h-index

1058022

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g-index

17  
all docs

17  
docs citations

17  
times ranked

178  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the preferential flow patterns induced by transverse isotropy and non-Darcy flow in double porosity media. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 353, 570-592.	3.4	52
2	Hydromechanical modeling of solid deformation and fluid flow in the transversely isotropic fissured rocks. <i>Computers and Geotechnics</i> , 2020, 128, 103812.	2.3	48
3	Poroelastic coefficients for anisotropic single and double porosity media. <i>Acta Geotechnica</i> , 2021, 16, 3013-3025.	2.9	40
4	Collaborative 3D geological modeling analysis based on multi-source data standard. <i>Engineering Geology</i> , 2018, 246, 233-244.	2.9	37
5	Fluid flow through anisotropic and deformable double porosity media with ultra-low matrix permeability: A continuum framework. <i>Journal of Petroleum Science and Engineering</i> , 2021, 200, 108349.	2.1	34
6	A mathematical framework for multiphase poromechanics in multiple porosity media. <i>Computers and Geotechnics</i> , 2022, 146, 104728.	2.3	24
7	Numerical Investigation of the Effect of Partially Propped Fracture Closure on Gas Production in Fractured Shale Reservoirs. <i>Energies</i> , 2020, 13, 5339.	1.6	20
8	New Type of Similar Material for Simulating the Processes of Water Inrush from Roof Bed Separation. <i>ACS Omega</i> , 2020, 5, 30405-30415.	1.6	19
9	Spatial prediction of loose aquifer water abundance mapping based on a hybrid statistical learning approach. <i>Earth Science Informatics</i> , 2021, 14, 1349-1365.	1.6	18
10	Experimental Study on the Basic Properties of a Green New Coal Mine Grouting Reinforcement Material. <i>ACS Omega</i> , 2020, 5, 16722-16732.	1.6	16
11	Hierarchical Modeling of Hydromechanical Coupling in Fractured Shale Gas Reservoirs with Multiple Porosity Scales. <i>Energy &amp; Fuels</i> , 2021, 35, 5758-5776.	2.5	16
12	Numerical Simulation on Non-Darcy Flow in a Single Rock Fracture Domain Inverted by Digital Images. <i>Geofluids</i> , 2020, 2020, 1-13.	0.3	14
13	Investigation on the Water Flow Evolution in a Filled Fracture under Seepage-Induced Erosion. <i>Water (Switzerland)</i> , 2020, 12, 3188.	1.2	14
14	Mathematical Evaluation on the Control of Mining-Induced Ground Subsidence in Thick Loose Strata. <i>ACS Omega</i> , 2021, 6, 34596-34605.	1.6	6