Saumik Dana

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7734268/publications.pdf

Version: 2024-02-01

11 papers	147 citations	1684188 5 h-index	1474206 9 g-index
33 all docs	33 docs citations	33 times ranked	114 citing authors

#	Article	IF	Citations
1	A multiscale fixed stress split iterative scheme for coupled flow and poromechanics in deep subsurface reservoirs. Journal of Computational Physics, 2018, 352, 1-22.	3.8	60
2	A priori error estimates for a discretized poro-elasticâ€“elastic system solved by a fixed-stress algorithm. Oil and Gas Science and Technology, 2019, 74, 24.	1.4	23
3	Convergence analysis of two-grid fixed stress split iterative scheme for coupled flow and deformation in heterogeneous poroelastic media. Computer Methods in Applied Mechanics and Engineering, 2018, 341, 788-806.	6.6	22
4	Convergence analysis of fixed stress split iterative scheme for anisotropic poroelasticity with tensor Biot parameter. Computational Geosciences, 2018, 22, 1219-1230.	2.4	19
5	Towards real-time forecasting of natural gas production by harnessing graph theory for stochastic discrete fracture networks. Journal of Petroleum Science and Engineering, 2020, 195, 107791.	4.2	8
6	A two-grid simulation framework for fast monitoring of fault stability and ground deformation in multiphase geomechanics. Journal of Computational Physics, 2022, , 111405.	3.8	5
7	The Correspondence between Voigt and Reuss Bounds and the Decoupling Constraint in a Two-Grid Staggered Algorithm for Consolidation in Heterogeneous Porous Media. Multiscale Modeling and Simulation, 2020, 18, 221-239.	1.6	4
8	TOWARDS A POROELASTODYNAMICS FRAMEWORK FOR INDUCED EARTHQUAKES: EFFECT OF PORE PRESSURE ON FAULT SLIP. International Journal for Multiscale Computational Engineering, 2022, 20, 81-98.	1.2	3
9	Performance studies of the fixed stress split algorithm for immiscible two-phase flow coupled with linear poromechanics. Computational Geosciences, 2022, 26, 13-27.	2.4	2
10	ADVANCES IN COMPUTATIONAL AND DATA-DRIVEN POROMECHANICS FOR SUBSURFACE APPLICATIONS. International Journal for Multiscale Computational Engineering, 2021, , .	1.2	0
11	Arriving at estimates of a rate and state fault friction model parameter using Bayesian inference and Markov chain Monte Carlo. Artificial Intelligence in Geosciences, 2021, 2, 171-178.	1.9	0