

# Saumik Dana

## List of Publications by Year in descending order

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