

Elyes Ahmed

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

155
citations

1307594

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1474206

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all docs

12
docs citations

12
times ranked

114
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the Process of Speciation Using a Multiscale Framework Including A Posteriori Error Estimates. SIAM Journal on Applied Mathematics, 2022, 82, 450-475.	1.8	0
2	Robust Linear Domain Decomposition Schemes for Reduced Nonlinear Fracture Flow Models. SIAM Journal on Numerical Analysis, 2021, 59, 583-612.	2.3	1
3	Adaptive asynchronous time-stepping, stopping criteria, and a posteriori error estimates for fixed-stress iterative schemes for coupled poromechanics problems. Journal of Computational and Applied Mathematics, 2020, 364, 112312.	2.0	19
4	Space-time domain decomposition for two-phase flow between different rock types. Computer Methods in Applied Mechanics and Engineering, 2020, 371, 113294.	6.6	4
5	Monolithic and splitting solution schemes for fully coupled quasi-static thermo-poroelasticity with nonlinear convective transport. Computers and Mathematics With Applications, 2020, 80, 1964-1984.	2.7	18
6	A multiscale flux basis for mortar mixed discretizations of reduced Darcy-Forchheimer fracture models. Computer Methods in Applied Mechanics and Engineering, 2019, 354, 16-36.	6.6	10
7	Splitting-based domain decomposition methods for two-phase flow with different rock types. Advances in Water Resources, 2019, 134, 103431.	3.8	7
8	Adaptive poromechanics computations based on a posteriori error estimates for fully mixed formulations of Biot's consolidation model. Computer Methods in Applied Mechanics and Engineering, 2019, 347, 264-294.	6.6	21
9	Well-posedness of the fully coupled quasi-static thermo-poroelastic equations with nonlinear convective transport. Journal of Mathematical Analysis and Applications, 2019, 471, 239-266.	1.0	13
10	The sub-Cauchy-Stokes problem: Solvability issues and Lagrange multiplier methods with artificial boundary conditions. Journal of Computational and Applied Mathematics, 2018, 338, 258-279.	2.0	3
11	A reduced fracture model for two-phase flow with different rock types. Mathematics and Computers in Simulation, 2017, 137, 49-70.	4.4	47
12	A posteriori error estimates and stopping criteria for space-time domain decomposition for two-phase flow between different rock types. SMAI Journal of Computational Mathematics, 0, 5, 195-227.	0.0	12