

# Elyes Ahmed

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

155  
citations

1307594

7  
h-index

1474206

9  
g-index

12  
all docs

12  
docs citations

12  
times ranked

114  
citing authors

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