Gurpreet Singh

List of Publications by Year
in descending order

13 papers	193 citations	1307594 7 h-index	1199594 12 g-index
14 all docs	14 docs citations	14 times ranked	207 citing authors

#	Article	IF	Citations
1	Error indicators for incompressible Darcy Flow problems using Enhanced Velocity Mixed Finite Element Method. Computer Methods in Applied Mechanics and Engineering, 2020, 363, 112884.	6.6	10
2	Adaptive numerical homogenization for upscaling single phase flow and transport. Journal of Computational Physics, 2019, 387, 117-133.	3.8	26
3	Multiscale methods for model order reduction of non-linear multiphase flow problems. Computational Geosciences, 2019, 23, 305-323.	2.4	11
4	Quantification of a maximum injection volume of CO2 to avert geomechanical perturbations using a compositional fluid flow reservoir simulator. Advances in Water Resources, 2018, 112, 160-169.	3.8	11
5	An approximate Jacobian nonlinear solver for multiphase flow and transport. Journal of Computational Physics, 2018, 375, 337-351.	3.8	9
6	A space–time domain decomposition approach using enhanced velocity mixed finite element method. Journal of Computational Physics, 2018, 374, 893-911.	3.8	8
7	A parallel framework for a multipoint flux mixed finite element equation of state compositional flow simulator. Computational Geosciences, 2017, 21, 1189-1202.	2.4	7
8	An Integrated Case Study of the Frio CO2 Sequestration Pilot Test for Safe and Effective Carbon Storage Including Compositional Flow and Geomechanics. , 2017, , .		7
9	Modeling Impact of Aqueous Ions on solubility of CO2 and its Implications for Sequestration. , 2016, , .		0
10	Compositional flow modeling using a multi-point flux mixed finite element method. Computational Geosciences, 2016, 20, 421-435.	2.4	19
11	Multirate Undrained Splitting for Coupled Flow and Geomechanics in Porous Media. Lecture Notes in Computational Science and Engineering, 2016, , 431-440.	0.3	5
12	Modeling Fractures in a Poro-Elastic Medium. Oil and Gas Science and Technology, 2014, 69, 515-528.	1.4	21
13	Experimental investigation of trapped oil clusters in a water–wet bead pack using X–ray microtomography. Water Resources Research, 2010, 46, .	4.2	56