

# Gurpreet Singh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/273546/publications.pdf>

Version: 2024-02-01

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