

Per Pettersson

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

161
citations

1307594

7
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

122
citing authors

#	ARTICLE	IF	CITATIONS
1	A stochastic Galerkin method for the Euler equations with Roe variable transformation. <i>Journal of Computational Physics</i> , 2014, 257, 481-500.	3.8	57
2	Numerical analysis of the Burgers's equation in the presence of uncertainty. <i>Journal of Computational Physics</i> , 2009, 228, 8394-8412.	3.8	50
3	Stochastic Galerkin framework with locally reduced bases for nonlinear two-phase transport in heterogeneous formations. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 310, 367-387.	6.6	11
4	Boundary procedures for the time-dependent Burgers' equation under uncertainty. <i>Acta Mathematica Scientia</i> , 2010, 30, 539-550.	1.0	9
5	An intrusive hybrid method for discontinuous two-phase flow under uncertainty. <i>Computers and Fluids</i> , 2013, 86, 228-239.	2.5	9
6	On stability and monotonicity requirements of finite difference approximations of stochastic conservation laws with random viscosity. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2013, 258, 134-151.	6.6	8
7	Probabilistic Godunov-type hydrodynamic modelling under multiple uncertainties: robust wavelet-based formulations. <i>Advances in Water Resources</i> , 2020, 137, 103526.	3.8	7
8	Level set methods for stochastic discontinuity detection in nonlinear problems. <i>Journal of Computational Physics</i> , 2019, 392, 511-531.	3.8	5
9	Stochastic Galerkin Formulations for CO_2 Transport in Aquifers: Numerical Solutions with Uncertain Material Properties. <i>Transport in Porous Media</i> , 2016, 114, 457-483.	2.6	4
10	Dynamic estimates of extreme-case CO_2 storage capacity for basin-scale heterogeneous systems under geological uncertainty. <i>International Journal of Greenhouse Gas Control</i> , 2022, 116, 103613.	4.6	1