

Aycil Cesmelioglu

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Primal Discontinuous Galerkin Methods for Time-Dependent Coupled Surface and Subsurface Flow. Journal of Scientific Computing, 2009, 40, 115-140.	1.1	79
2	Analysis of a hybridizable discontinuous Galerkin method for the steady-state incompressible Navier-Stokes equations. Mathematics of Computation, 2016, 86, 1643-1670.	1.1	68
3	Analysis of time-dependent Navier-Stokes flow coupled with Darcy flow. Journal of Numerical Mathematics, 2008, 16, .	1.8	53
4	Time-dependent coupling of Navier-Stokes and Darcy flows. ESAIM: Mathematical Modelling and Numerical Analysis, 2013, 47, 539-554.	0.8	46
5	Analysis of HDG Methods for Oseen Equations. Journal of Scientific Computing, 2013, 55, 392-431.	1.1	45
6	Analysis of the coupled Navier-Stokes/Biot problem. Journal of Mathematical Analysis and Applications, 2017, 456, 970-991.	0.5	32
7	Existence of a weak solution for the fully coupled Navier-Stokes/Darcy-transport problem. Journal of Differential Equations, 2012, 252, 4138-4175.	1.1	23
8	Numerical analysis of the coupling of free fluid with a poroelastic material. Numerical Methods for Partial Differential Equations, 2020, 36, 463-494.	2.0	19
9	An embedded hybridized discontinuous Galerkin method for the coupled Stokes-Darcy system. Journal of Computational and Applied Mathematics, 2020, 367, 112476.	1.1	14
10	Optimization-Based Decoupling Algorithms for a Fluid-Poroelastic System. The IMA Volumes in Mathematics and Its Applications, 2016, , 79-98.	0.5	7
11	Discontinuous Galerkin Approximations for Computing Electromagnetic Bloch Modes in Photonic Crystals. Journal of Scientific Computing, 2017, 70, 922-964.	1.1	7
12	A Nonconforming Finite Element Method for an Acoustic Fluid-Structure Interaction Problem. Computational Methods in Applied Mathematics, 2018, 18, 383-406.	0.4	7
13	Analysis of a Space-Time Hybridizable Discontinuous Galerkin Method for the Advection-Diffusion Problem on Time-Dependent Domains. SIAM Journal on Numerical Analysis, 2019, 57, 1677-1696.	1.1	7
14	A Compatible Embedded-Hybridized Discontinuous Galerkin Method for the Stokes-Darcy-Transport Problem. Communications on Applied Mathematics and Computation, 2022, 4, 293-318.	0.7	2
15	Physics-Based Kriging Surrogates for a Class of Finite Element Codes. SIAM-ASA Journal on Uncertainty Quantification, 2017, 5, 870-889.	1.1	0