

Do Young Kwak

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Lowest-order virtual element methods for linear elasticity problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 390, 114448.	6.6	10
2	Mixed virtual volume methods for elliptic problems. <i>Computers and Mathematics With Applications</i> , 2022, 113, 345-352.	2.7	2
3	Locally Conservative Immersed Finite Element Method for Elliptic Interface Problems. <i>Journal of Scientific Computing</i> , 2021, 87, 1.	2.3	3
4	A Semi-Uniform Multigrid Algorithm for Solving Elliptic Interface Problems. <i>Computational Methods in Applied Mathematics</i> , 2021, 21, 127-143.	0.8	3
5	A Reduced Crouzeix-Raviart Immersed Finite Element Method for Elasticity Problems with Interfaces. <i>Computational Methods in Applied Mathematics</i> , 2020, 20, 501-516.	0.8	5
6	Geometric multigrid algorithms for elliptic interface problems using structured grids. <i>Numerical Algorithms</i> , 2019, 81, 211-235.	1.9	14
7	Enriched P1-Conforming Methods for Elliptic Interface Problems with Implicit Jump Conditions. <i>Advances in Mathematical Physics</i> , 2018, 2018, 1-9.	0.8	2
8	An IMPES scheme for a two-phase flow in heterogeneous porous media using a structured grid. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 317, 684-701.	6.6	19
9	An Immersed Finite Element Method for the Elasticity Problems with Displacement Jump. <i>Advances in Applied Mathematics and Mechanics</i> , 2017, 9, 407-428.	1.2	7
10	A stabilized P_1 -nonconforming immersed finite element method for the interface elasticity problems. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2017, 51, 187-207.	1.9	28
11	Immersed finite element method for eigenvalue problem. <i>Journal of Computational and Applied Mathematics</i> , 2017, 313, 410-426.	2.0	9
12	New curl conforming finite elements on parallelepiped. <i>Numerische Mathematik</i> , 2015, 131, 473-488.	1.9	0
13	A flux preserving immersed nonconforming finite element method for elliptic problems. <i>Applied Numerical Mathematics</i> , 2014, 81, 94-104.	2.1	1
14	Superconvergence of new mixed finite element spaces. <i>Journal of Computational and Applied Mathematics</i> , 2011, 235, 4265-4271.	2.0	1
15	Mixed finite element methods for general quadrilateral grids. <i>Applied Mathematics and Computation</i> , 2011, 217, 6556-6565.	2.2	12
16	Optimal convergence analysis of an immersed interface finite element method. <i>Advances in Computational Mathematics</i> , 2010, 33, 149-168.	1.6	59
17	An Analysis of a Broken P_1 -Nonconforming Finite Element Method for Interface Problems. <i>SIAM Journal on Numerical Analysis</i> , 2010, 48, 2117-2134.	2.3	72
18	A nonconforming covolume method for elliptic problems. <i>Applied Mathematics and Computation</i> , 2008, 196, 60-66.	2.2	2

#	ARTICLE	IF	CITATIONS
19	Characteristic-mixed covolume methods for advection-dominated diffusion problems. Numerical Linear Algebra With Applications, 2006, 13, 677-697.	1.6	14
20	Multigrid algorithm for the cell-centered finite difference method II: discontinuous coefficient case. Numerical Methods for Partial Differential Equations, 2004, 20, 742-764.	3.6	13
21	A formal construction of a divergence-free basis in the nonconforming virtual element method for the Stokes problem. Numerical Algorithms, 0, , 1.	1.9	1