

Sã'nia Maria Gomes

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

370
citations

840776

11
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794594

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all docs

26
docs citations

26
times ranked

212
citing authors

#	ARTICLE	IF	CITATIONS
1	New $H(\text{div})$ -conforming multiscale hybrid-mixed methods for the elasticity problem on polygonal meshes. <i>ESAIM: Mathematical Modelling and Numerical Analysis</i> , 2021, 55, 1005-1037.	1.9	4
2	Error estimates for the Scaled Boundary Finite Element Method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 379, 113765.	6.6	7
3	A multiscale mixed finite element method applied to the simulation of two-phase flows. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 383, 113870.	6.6	6
4	Enriched two dimensional mixed finite element models for linear elasticity with weak stress symmetry. <i>Computers and Mathematics With Applications</i> , 2020, 79, 2678-2700.	2.7	3
5	Mixed finite element approximations of a singular elliptic problem based on some anisotropic and hp-adaptive curved quarter-point elements. <i>Applied Numerical Mathematics</i> , 2020, 158, 85-102.	2.1	4
6	$H(\text{div})$ finite elements based on nonaffine meshes for 3D mixed formulations of flow problems with arbitrary high order accuracy of the divergence of the flux. <i>International Journal for Numerical Methods in Engineering</i> , 2020, 121, 2896-2915.	2.8	3
7	$H(\text{div})$ -Conforming Spaces Based on General Meshes, with Interface Constraints: Accuracy Enhancement, Multiscale, and hp-Adaptivity. <i>Lecture Notes in Computational Science and Engineering</i> , 2020, , 83-95.	0.3	0
8	High-order composite finite element exact sequences based on tetrahedralâ€“hexahedralâ€“prismaticâ€“pyramidal partitions. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 355, 952-975.	6.6	14
9	A multiscale hybrid method for Darcyâ€™s problems using mixed finite element local solvers. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 354, 213-244.	6.6	23
10	A remark concerning divergence accuracy order for $H(\text{div})$ finite element flux approximations. <i>Computers and Mathematics With Applications</i> , 2019, 77, 1864-1872.	2.7	9
11	Mixed finite element approximations based on $\mathbb{D}(\text{div})$ -adaptive curved meshes with two types of $H(\text{div})$ -conforming spaces. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 113, 1045-1060.	2.8	14
12	An object-oriented framework for multiphysics problems combining different approximation spaces. <i>Finite Elements in Analysis and Design</i> , 2018, 151, 34-49.	3.2	6
13	On continuous, discontinuous, mixed, and primal hybrid finite element methods for second-order elliptic problems. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 115, 1083-1107.	2.8	10
14	Two dimensional mixed finite element approximations for elliptic problems with enhanced accuracy for the potential and flux divergence. <i>Computers and Mathematics With Applications</i> , 2017, 74, 3283-3295.	2.7	10
15	Two-dimensional hp adaptive finite element spaces for mixed formulations. <i>Mathematics and Computers in Simulation</i> , 2016, 126, 104-122.	4.4	11
16	Three dimensional hierarchical mixed finite element approximations with enhanced primal variable accuracy. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 306, 479-502.	6.6	22
17	A comparative numerical study of different finite element formulations for 2D model elliptic problems: Continuous and discontinuous Galerkin, mixed and hybrid methods. <i>Finite Elements in Analysis and Design</i> , 2016, 115, 9-20.	3.2	5
18	Hierarchical high order finite element bases for $H(\text{div})$ based on curved meshes for two-dimensional regions or manifolds. <i>Journal of Computational and Applied Mathematics</i> , 2016, 301, 241-258.	2.0	13

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19	Implementation of continuous h - p -adaptive finite element spaces without limitations on hanging sides and distribution of approximation orders. <i>Computers and Mathematics With Applications</i> , 2015, 70, 1051-1060.	2.7	19
20	A new procedure for the construction of hierarchical high order Hdiv and Hcurl finite element spaces. <i>Journal of Computational and Applied Mathematics</i> , 2013, 240, 204-214.	2.0	24
21	An adaptive multiresolution method on dyadic grids: Application to transport equations. <i>Journal of Computational and Applied Mathematics</i> , 2012, 236, 3636-3646.	2.0	2
22	Grid structure impact in sparse point representation of derivatives. <i>Journal of Computational and Applied Mathematics</i> , 2010, 234, 2377-2389.	2.0	3
23	Space-time adaptive multiresolution methods for hyperbolic conservation laws: Applications to compressible Euler equations. <i>Applied Numerical Mathematics</i> , 2009, 59, 2303-2321.	2.1	52
24	An adaptive multiresolution scheme with local time stepping for evolutionary PDEs. <i>Journal of Computational Physics</i> , 2008, 227, 3758-3780.	3.8	80
25	Wavelets and adaptive grids for the discontinuous Galerkin method. <i>Numerical Algorithms</i> , 2005, 39, 143-154.	1.9	19
26	Approximation in L^2 Sobolev spaces on the 2-sphere by quasi-interpolation. <i>Journal of Fourier Analysis and Applications</i> , 2001, 7, 283-295.	1.0	7