

Jian-ping Zhao

List of Publications by Year in descending order

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31
papers

279
citations

1040018

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32
all docs

32
docs citations

32
times ranked

171
citing authors

#	ARTICLE	IF	CITATIONS
1	Error analysis of a fully discrete finite element variational multiscale method for the natural convection problem. <i>Computers and Mathematics With Applications</i> , 2014, 68, 543-567.	2.7	30
2	New local and parallel finite element algorithm based on the partition of unity. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 435, 1-19.	1.0	25
3	A compact integrated RBF method for time fractional convection–diffusion–reaction equations. <i>Computers and Mathematics With Applications</i> , 2019, 77, 2263-2278.	2.7	24
4	Two-Level Penalty Newton Iterative Method for the 2D/3D Stationary Incompressible Magneto-hydrodynamics Equations. <i>Journal of Scientific Computing</i> , 2017, 70, 1144-1179.	2.3	22
5	Highly efficient and local projection-based stabilized finite element method for natural convection problem. <i>International Journal of Heat and Mass Transfer</i> , 2015, 83, 357-365.	4.8	21
6	The Extended Fractional Subequation Method for Nonlinear Fractional Differential Equations. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-11.	1.1	16
7	scCDG: A Method based on DAE and GCN for scRNA-seq data Analysis. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021, PP, 1-1.	3.0	16
8	Effects of variability in landscape types on the microclimate across a desert–oasis region on the southern margins of the Tarim Basin, China. <i>Arid Land Research and Management</i> , 2016, 30, 89-104.	1.6	11
9	An efficient operator-splitting FEM-FCT algorithm for 3D chemotaxis models. <i>Engineering With Computers</i> , 2020, 36, 1393-1404.	6.1	11
10	SUSCC: Secondary Construction of Feature Space based on UMAP for Rapid and Accurate Clustering Large-scale Single Cell RNA-seq Data. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2021, 13, 83-90.	3.6	10
11	Parallel two-step finite element algorithm based on fully overlapping domain decomposition for the time-dependent natural convection problem. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 496-515.	2.8	9
12	On Two-Level Oseen Penalty Iteration Methods for the 2D/3D Stationary Incompressible Magneto-hydrodynamics. <i>Journal of Scientific Computing</i> , 2020, 83, 1.	2.3	9
13	How to obtain an accurate gradient for interface problems?. <i>Journal of Computational Physics</i> , 2020, 405, 109070.	3.8	8
14	SCDRHA: A scRNA-Seq Data Dimensionality Reduction Algorithm Based on Hierarchical Autoencoder. <i>Frontiers in Genetics</i> , 2021, 12, 733906.	2.3	8
15	Two-level meshless local Petrov Galerkin method for multi-dimensional nonlinear convection–diffusion equation based on radial basis function. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2018, 74, 685-698.	0.9	7
16	A New Optimization Method for the Layout of Pumping Wells in Oases: Application in the Qira Oasis, Northwest China. <i>Water (Switzerland)</i> , 2019, 11, 970.	2.7	7
17	A Petrov–Galerkin finite element method for simulating chemotaxis models on stationary surfaces. <i>Computers and Mathematics With Applications</i> , 2020, 79, 3189-3205.	2.7	7
18	Clustering of cancer data based on Stiefel manifold for multiple views. <i>BMC Bioinformatics</i> , 2021, 22, 268.	2.6	7

#	ARTICLE	IF	CITATIONS
19	Immersed Interface Method for elliptic equations based on a piecewise second order polynomial. Computers and Mathematics With Applications, 2012, 63, 957-965.	2.7	6
20	scCNC: a method based on capsule network for clustering scRNA-seq data. Bioinformatics, 2022, 38, 3703-3709.	4.1	6
21	A layers capturing type H-adaptive finite element method for convectionâ€“diffusionâ€“reaction equations on surfaces. Computer Methods in Applied Mechanics and Engineering, 2020, 361, 112792.	6.6	5
22	Identification of driver genes based on gene mutational effects and network centrality. BMC Bioinformatics, 2021, 22, 457.	2.6	3
23	Modified intrinsic extended finite element method for elliptic equation with interfaces. Journal of Engineering Mathematics, 2016, 97, 147-159.	1.2	2
24	Penalty decoupled iterative methods for the stationary natural convection equations with different Rayleigh numbers. Applied Numerical Mathematics, 2021, 163, 270-291.	2.1	2
25	A New Iterative Method for Linear Systems from XFEM. Mathematical Problems in Engineering, 2014, 2014, 1-8.	1.1	1
26	The stable extrinsic extended finite element method for second order elliptic equation with interfaces. Advances in Difference Equations, 2015, 2015, .	3.5	1
27	Least-squares RBF-FD method for the incompressible Stokes equations with the singular source. Numerical Heat Transfer; Part A: Applications, 2019, 75, 739-752.	2.1	1
28	A stabilized coupled method and its optimal error estimates for elliptic interface problems. Advances in Difference Equations, 2019, 2019, .	3.5	1
29	Solitary and compacton solutions of fractional KdV-like equations. Open Physics, 2016, 14, 328-336.	1.7	1
30	The application of dimension split method in the threeâ€“dimensional heat equation. Mathematical Methods in the Applied Sciences, 2016, 39, 3506-3515.	2.3	0
31	Recovery-based error estimator for the natural-convection problem based on penalized finite element method. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 4850-4874.	2.8	0