

# Haiyan Su

## List of Publications by Year in descending order

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23  
papers

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citations

933447

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1058476

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#	ARTICLE	IF	CITATIONS
1	Iterative methods in penalty finite element discretization for the steady MHD equations. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 304, 521-545.	6.6	29
2	Two-Level Penalty Newton Iterative Method for the 2D/3D Stationary Incompressible Magnetohydrodynamics Equations. <i>Journal of Scientific Computing</i> , 2017, 70, 1144-1179.	2.3	22
3	Optimal Error Estimates of Penalty Based Iterative Methods for Steady Incompressible Magnetohydrodynamics Equations with Different Viscosities. <i>Journal of Scientific Computing</i> , 2019, 79, 1078-1110.	2.3	20
4	Two-level variational multiscale method based on the decoupling approach for the natural convection problem. <i>International Communications in Heat and Mass Transfer</i> , 2015, 61, 128-139.	5.6	18
5	Two-level defect-correction Oseen iterative stabilized finite element method for the stationary conduction-convection equations. <i>International Communications in Heat and Mass Transfer</i> , 2014, 56, 133-145.	5.6	16
6	A novel parallel two-step algorithm based on finite element discretization for the incompressible flow problem. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2018, 73, 329-341.	0.9	15
7	Second order fully discrete defect-correction scheme for nonstationary conduction-convection problem at high Reynolds number. <i>Numerical Methods for Partial Differential Equations</i> , 2017, 33, 681-703.	3.6	14
8	Some Uzawa-type finite element iterative methods for the steady incompressible magnetohydrodynamic equations. <i>Applied Mathematics and Computation</i> , 2017, 302, 34-47.	2.2	13
9	A partitioned finite element scheme based on Gauge-Uzawa method for time-dependent MHD equations. <i>Numerical Algorithms</i> , 2018, 78, 277-295.	1.9	13
10	Two-Level Stabilized, Nonconforming Finite-Element Algorithms for the Stationary Conduction-Convection Equations. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2014, 66, 211-242.	0.9	12
11	Parallel two-step finite element algorithm for the stationary incompressible magnetohydrodynamic equations. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 2709-2727.	2.8	10
12	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
13	On Two-Level Oseen Penalty Iteration Methods for the 2D/3D Stationary Incompressible Magnetohydrodynamics. <i>Journal of Scientific Computing</i> , 2020, 83, 1.	2.3	9
14	Second order unconditional linear energy stable, rotational velocity correction method for unsteady incompressible magneto-hydrodynamic equations. <i>Computers and Fluids</i> , 2022, 236, 105300.	2.5	7
15	Optimal convergence of three iterative methods based on nonconforming finite element discretization for 2D/3D MHD equations. <i>Numerical Algorithms</i> , 2022, 90, 1117-1151.	1.9	5
16	Highly Efficient and Energy Stable Schemes for the 2D/3D Diffuse Interface Model of Two-Phase Magnetohydrodynamics. <i>Journal of Scientific Computing</i> , 2022, 90, 1.	2.3	5
17	Three Iterative Finite Element Methods for the Stationary Smagorinsky Model. <i>East Asian Journal on Applied Mathematics</i> , 2014, 4, 132-151.	0.9	4
18	Streamline diffusion finite element method for stationary incompressible natural convection problem. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2018, 74, 519-537.	0.9	2

#	ARTICLE	IF	CITATIONS
19	Effective velocity-correction projection methods for unsteady incompressible natural convection equations. <i>International Communications in Heat and Mass Transfer</i> , 2021, 121, 104860.	5.6	2
20	Penalty decoupled iterative methods for the stationary natural convection equations with different Rayleigh numbers. <i>Applied Numerical Mathematics</i> , 2021, 163, 270-291.	2.1	2
21	Optimal Convergence Analysis of Two-Level Nonconforming Finite Element Iterative Methods for 2D/3D MHD Equations. <i>Entropy</i> , 2022, 24, 587.	2.2	2
22	Two-level stabilized nonconforming finite element algorithms for the conduction-convection equations. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2017, 72, 152-169.	0.9	0
23	Recovery-Based Error Estimator for Natural Convection Equations Based on Defect-Correction Methods. <i>Entropy</i> , 2022, 24, 255.	2.2	0