

# Jie Liu

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Stability and convergence of efficient Navier-Stokes solvers via a commutator estimate. <i>Communications on Pure and Applied Mathematics</i> , 2007, 60, 1443-1487.	3.1	57
2	Open and traction boundary conditions for the incompressible Navier-Stokes equations. <i>Journal of Computational Physics</i> , 2009, 228, 7250-7267.	3.8	52
3	Stable and accurate pressure approximation for unsteady incompressible viscous flow. <i>Journal of Computational Physics</i> , 2010, 229, 3428-3453.	3.8	51
4	A stable second-order scheme for fluid-structure interaction with strong added-mass effects. <i>Journal of Computational Physics</i> , 2014, 270, 687-710.	3.8	50
5	Simple and Efficient ALE Methods with Provable Temporal Accuracy up to Fifth Order for the Stokes Equations on Time Varying Domains. <i>SIAM Journal on Numerical Analysis</i> , 2013, 51, 743-772.	2.3	41
6	Order of Convergence of Splitting Schemes for Both Deterministic and Stochastic Nonlinear Schrödinger Equations. <i>SIAM Journal on Numerical Analysis</i> , 2013, 51, 1911-1932.	2.3	17
7	A dynamic algorithm for blind separation of convolutive sound mixtures. <i>Neurocomputing</i> , 2008, 72, 521-532.	5.9	16
8	A second-order changing-connectivity ALE scheme and its application to FSI with large convection of fluids and near contact of structures. <i>Journal of Computational Physics</i> , 2016, 304, 380-423.	3.8	15
9	Error estimates for finite-element Navier-Stokes solvers without standard Inf-Sup conditions. <i>Chinese Annals of Mathematics Series B</i> , 2009, 30, 743-768.	0.4	14
10	A Soft-Constrained Dynamic Iterative Method of Blind Source Separation. <i>Multiscale Modeling and Simulation</i> , 2009, 7, 1795-1810.	1.6	11
11	A mass-preserving splitting scheme for the stochastic Schrodinger equation with multiplicative noise. <i>IMA Journal of Numerical Analysis</i> , 2013, 33, 1469-1479.	2.9	10
12	Stable and Spectrally Accurate Schemes for the Navier-Stokes Equations. <i>SIAM Journal of Scientific Computing</i> , 2011, 33, 2421-2439.	2.8	6
13	A second-order stable explicit interface advancing scheme for FSI with both rigid and elastic structures and its application to fish swimming simulations. <i>Computers and Fluids</i> , 2015, 118, 274-292.	2.5	2
14	A Time Domain Blind Decorrelation Method of Convolutive Mixtures Based on an IIR Model. <i>Journal of Computational Mathematics</i> , 2010, 28, 371-385.	0.4	0