

# Lijian Jiang

## List of Publications by Year in descending order

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40  
papers

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citations

840776

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docs citations

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times ranked

152  
citing authors

#	ARTICLE	IF	CITATIONS
1	A residual-driven adaptive Gaussian mixture approximation for Bayesian inverse problems. Journal of Computational and Applied Mathematics, 2022, 399, 113707.	2.0	0
2	Correcting noisy dynamic mode decomposition with Kalman filters. Journal of Computational Physics, 2022, 461, 111175.	3.8	10
3	Variational Bayesian inversion for the reaction coefficient in space-time nonlocal diffusion equations. Advances in Computational Mathematics, 2021, 47, 1.	1.6	0
4	Convergence analysis of constraint energy minimizing generalized multiscale finite element method for a linear stochastic parabolic partial differential equation driven by additive noises. Journal of Computational and Applied Mathematics, 2021, 389, 113328.	2.0	2
5	A two-stage variable-separation Kalman filter for data assimilation. Journal of Computational Physics, 2021, 434, 110244.	3.8	2
6	Deep learning nonlinear multiscale dynamic problems using Koopman operator. Journal of Computational Physics, 2021, 446, 110660.	3.8	10
7	A Low-Rank Approximated Multiscale Method for Pdes With Random Coefficients. Multiscale Modeling and Simulation, 2020, 18, 1595-1620.	1.6	4
8	Model reduction for nonlinear multiscale parabolic problems using dynamic mode decomposition. International Journal for Numerical Methods in Engineering, 2020, 121, 3680-3701.	2.8	3
9	Implicit sampling for hierarchical Bayesian inversion and applications in fractional multiscale diffusion models. Journal of Computational and Applied Mathematics, 2020, 375, 112826.	2.0	1
10	A hybrid model reduction method for stochastic parabolic optimal control problems. Computer Methods in Applied Mechanics and Engineering, 2020, 370, 113244.	6.6	2
11	Identification of the reaction coefficient in time fractional diffusion equations. Journal of Computational and Applied Mathematics, 2019, 345, 295-309.	2.0	3
12	A Constraint Energy Minimizing Generalized Multiscale Finite Element Method for Parabolic Equations. Multiscale Modeling and Simulation, 2019, 17, 996-1018.	1.6	11
13	A multiscale virtual element method for elliptic problems in heterogeneous porous media. Journal of Computational Physics, 2019, 388, 394-415.	3.8	3
14	A new bi-fidelity model reduction method for Bayesian inverse problems. International Journal for Numerical Methods in Engineering, 2019, 119, 941-963.	2.8	5
15	A Reduced Generalized Multiscale Basis Method for Parametrized Groundwater Flow Problems in Heterogeneous Porous Media. Water Resources Research, 2019, 55, 2390-2406.	4.2	2
16	VARIABLE-SEPARATION BASED ITERATIVE ENSEMBLE SMOOTHER FOR BAYESIAN INVERSE PROBLEMS IN ANOMALOUS DIFFUSION REACTION MODELS. , 2019, 9, 245-273.		3
17	Convergence analysis for GMsFEM approximation of elliptic eigenvalue problems. Journal of Computational and Applied Mathematics, 2018, 327, 109-126.	2.0	0
18	Model reduction method using variable-separation for stochastic saddle point problems. Journal of Computational Physics, 2018, 354, 43-66.	3.8	2

#	ARTICLE	IF	CITATIONS
19	Local-global model reduction method for stochastic optimal control problems constrained by partial differential equations. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 339, 514-541.	6.6	3
20	Bayesian Inference Using Intermediate Distribution Based on Coarse Multiscale Model for Time Fractional Diffusion Equations. <i>Multiscale Modeling and Simulation</i> , 2018, 16, 327-355.	1.6	11
21	A two-stage ensemble Kalman filter based on multiscale model reduction for inverse problems in time fractional diffusion-wave equations. <i>Journal of Computational Physics</i> , 2018, 374, 300-330.	3.8	9
22	A stochastic model reduction method for nonlinear unconfined flow with multiple random input fields. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 835-851.	4.0	3
23	Multiscale model reduction method for Bayesian inverse problems of subsurface flow. <i>Journal of Computational and Applied Mathematics</i> , 2017, 319, 188-209.	2.0	14
24	Model's sparse representation based on reduced mixed GMsFE basis methods. <i>Journal of Computational Physics</i> , 2017, 338, 285-312.	3.8	17
25	A Novel Variable-Separation Method Based on Sparse and Low Rank Representation for Stochastic Partial Differential Equations. <i>SIAM Journal of Scientific Computing</i> , 2017, 39, A2879-A2910.	2.8	11
26	Least-squares mixed generalized multiscale finite element method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 311, 764-787.	6.6	15
27	Reduced multiscale finite element basis methods for elliptic PDEs with parameterized inputs. <i>Journal of Computational and Applied Mathematics</i> , 2016, 301, 101-120.	2.0	11
28	A reduced order method for Allen-Cahn equations. <i>Journal of Computational and Applied Mathematics</i> , 2016, 292, 213-229.	2.0	15
29	Multi-element least square HDMR methods and their applications for stochastic multiscale model reduction. <i>Journal of Computational Physics</i> , 2015, 294, 439-461.	3.8	10
30	ANALYSIS OF VARIANCE-BASED MIXED MULTISCALE FINITE ELEMENT METHOD AND APPLICATIONS IN STOCHASTIC TWO-PHASE FLOWS. , 2014, 4, 455-477.		4
31	Convergence analysis of hybrid expanded mixed finite element method for elliptic equations. <i>Computers and Mathematics With Applications</i> , 2014, 68, 1205-1219.	2.7	7
32	A stochastic dimension reduction multiscale finite element method for groundwater flow problems in heterogeneous random porous media. <i>Journal of Hydrology</i> , 2013, 478, 77-88.	5.4	16
33	An upscaling method using coefficient splitting and its applications to elliptic PDEs. <i>Computers and Mathematics With Applications</i> , 2013, 65, 712-730.	2.7	1
34	Mixed Multiscale Finite Volume Methods for Elliptic Problems in Two-Phase Flow Simulations. <i>Communications in Computational Physics</i> , 2012, 11, 19-47.	1.7	9
35	A priori estimates for two multiscale finite element methods using multiple global fields to wave equations. <i>Numerical Methods for Partial Differential Equations</i> , 2012, 28, 1869-1892.	3.6	11
36	Analysis of stochastic mimetic finite difference methods and their applications in single-phase stochastic flows. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2012, 217-220, 58-76.	6.6	2

#	ARTICLE	IF	CITATIONS
37	Mixed Multiscale Finite Volume Method for Reservoir Simulation in Porous Media with Non Local Features. , 2011, , .		1
38	Analysis of global multiscale finite element methods for wave equations with continuum spatial scales. Applied Numerical Mathematics, 2010, 60, 862-876.	2.1	25
39	Mixed multiscale finite element methods using approximate global information based on partial upscaling. Computational Geosciences, 2010, 14, 319-341.	2.4	18
40	Multiscale methods for parabolic equations with continuum spatial scales. Discrete and Continuous Dynamical Systems - Series B, 2007, 8, 833-859.	0.9	13