

Chuchu Chen

List of Publications by Year in descending order

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papers

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1163117

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#	ARTICLE	IF	CITATIONS
1	Drift-preserving numerical integrators for stochastic Hamiltonian systems. <i>Advances in Computational Mathematics</i> , 2020, 46, 1.	1.6	31
2	Preservation of physical properties of stochastic Maxwell equations with additive noise via stochastic multi-symplectic methods. <i>Journal of Computational Physics</i> , 2016, 306, 500-519.	3.8	27
3	Symplectic Runge–Kutta Semidiscretization for Stochastic Schrödinger Equation. <i>SIAM Journal on Numerical Analysis</i> , 2016, 54, 2569-2593.	2.3	23
4	Approximation of Invariant Measure for Damped Stochastic Nonlinear Schrödinger Equation via an Ergodic Numerical Scheme. <i>Potential Analysis</i> , 2017, 46, 323-367.	0.9	18
5	Slippery liquid-infused porous surface via thermally induced phase separation for enhanced corrosion protection. <i>Journal of Polymer Science</i> , 2020, 58, 3031-3041.	3.8	13
6	A Compact Scheme for Coupled Stochastic Nonlinear Schrödinger Equations. <i>Communications in Computational Physics</i> , 2017, 21, 93-125.	1.7	9
7	Mean-Square Convergence of a Semidiscrete Scheme for Stochastic Maxwell Equations. <i>SIAM Journal on Numerical Analysis</i> , 2019, 57, 728-750.	2.3	8
8	Runge–Kutta Semidiscretizations for Stochastic Maxwell Equations with Additive Noise. <i>SIAM Journal on Numerical Analysis</i> , 2019, 57, 702-727.	2.3	8
9	Asymptotically-Preserving Large Deviations Principles by Stochastic Symplectic Methods for a Linear Stochastic Oscillator. <i>SIAM Journal on Numerical Analysis</i> , 2021, 59, 32-59.	2.3	7
10	A Review on Stochastic Multi-symplectic Methods for Stochastic Maxwell Equations. <i>Communications on Applied Mathematics and Computation</i> , 2019, 1, 467-501.	1.7	4
11	Energy and quadratic invariants preserving (EQUIP) multi-symplectic methods for Hamiltonian wave equations. <i>Journal of Computational Physics</i> , 2020, 418, 109599.	3.8	4
12	Stochastic differential equation with piecewise continuous arguments: Markov property, invariant measure and numerical approximation. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2023, 28, 765.	0.9	4
13	Large Deviations Principles for Symplectic Discretizations of Stochastic Linear Schrödinger Equation. <i>Potential Analysis</i> , 2023, 59, 971-1011.	0.9	3
14	Convergence of a θ -scheme to solve the stochastic nonlinear Schrödinger equation with Stratonovich noise. <i>Stochastics and Partial Differential Equations: Analysis and Computations</i> , 2016, 4, 274-318.	0.9	2
15	Modified averaged vector field methods preserving multiple invariants for conservative stochastic differential equations. <i>BIT Numerical Mathematics</i> , 2020, 60, 917-957.	2.0	2