Green Journals

International Approved Journals

Journal Information

Journal Title	JOURNAL OF COMPUTATIONAL PHYSICS
Publisher	ACADEMIC PRESS INC ELSEVIERSCIENCE
ISSN	0021-9991
E-ISSN	1090-2716
Database	Clarivate
Domain	Physical Sciences, Social Sciences

Classification History

Year	A+	A	B	C
2026		✓	✓	
2025		✓	✓	
2024		✓	✓	
2023		✓	✓	
2021/2022		✓	✓	
2020		✓	✓	
2019	✓	✓	✓	
2018		✓		

Classification: The table above shows all journal classifications recorded for each classification year in the Green Journals database. A journal may have more than one classification in the same year.

Recent Articles

Hamiltonian Monte Carlo vs. event-chain Monte Carlo: An appraisal of sampling strategies beyond the diffusive regime
2027-1 Vol. 569 Pages 115478
Authors: Werner Krauth
DOI: 10.1016/j.jcp.2026.115478

A new class of entropy stable fluctuations for the discontinuous Galerkin method with application to the Saint-Venant-Exner model
2027-1 Vol. 569 Pages 115456
Authors: Patrick Ersing, Andrew R. Winters
DOI: 10.1016/j.jcp.2026.115456

A conservative integral formulation of surface tension in three dimensions
2027-1 Vol. 569 Pages 115469
Authors: Saswata Basak, Umberto C. Bitencourt, Sai Chaitanya Gembali et al.
DOI: 10.1016/j.jcp.2026.115469

Non-intrusive structural-preserving sequential data assimilation
2027-1 Vol. 568 Pages 115380
Authors: Lizuo Liu, Tongtong Li, Anne Gelb
DOI: 10.1016/j.jcp.2026.115380

An inexact low-rank source iteration for steady-state radiative transfer equation with diffusion synthetic acceleration
2027-1 Vol. 569 Pages 115427
Authors: Wei Guo, Zhichao Peng
DOI: 10.1016/j.jcp.2026.115427

Optimal quasi-structured quad-dominant adapted meshes for high-order discontinuous Galerkin fluid flow simulations
2027-1 Vol. 569 Pages 115461
Authors: Dipendrasingh Kain, Priyansu Tank, Ajay Rangarajan et al.
DOI: 10.1016/j.jcp.2026.115461

Spectral convergence properties and optimal performance of Monte Carlo functional expansion tallies vs. the histogram approximation
2027-1 Vol. 568 Pages 115378
Authors: Martin Skretteberg, Paul Cosgrove
DOI: 10.1016/j.jcp.2026.115378

Adaptive moving mesh methods for anisotropic surface diffusion and applications to solid-state dewetting
2027-1 Vol. 568 Pages 115371
Authors: Meng Li, Lining Wang, Nan Wang et al.
DOI: 10.1016/j.jcp.2026.115371

A probabilistic physics-based framework for the development and continuous adaptation of lifecycle digital twins
2027-1 Vol. 569 Pages 115422
Authors: Charbel Farhat, Goéric Daeninck, Daniel Isaiah Harp
DOI: 10.1016/j.jcp.2026.115422

On conservative and nonconservative two-layer shallow water equations
2027-1 Vol. 569 Pages 115471
Authors: Alexander Kurganov, Mingye Na, Vladimir V. Ostapenko
DOI: 10.1016/j.jcp.2026.115471