

# Shun Sato

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

50  
citations

1684188

5  
h-index

1720034

7  
g-index

14  
all docs

14  
docs citations

14  
times ranked

26  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalar auxiliary variable approach for conservative/dissipative partial differential equations with unbounded energy functionals. BIT Numerical Mathematics, 2022, 62, 903-930.	2.0	4
2	Deriving efficient optimization methods based on stable explicit numerical methods. JSIAM Letters, 2022, 14, 29-32.	0.5	0
3	Mathematical analysis of a conservative numerical scheme for the Ostrovsky equation. JSIAM Letters, 2022, 14, 53-56.	0.5	0
4	Linearly implicit structure-preserving schemes for Hamiltonian systems. Journal of Computational and Applied Mathematics, 2021, 387, 112489.	2.0	7
5	Making Bidirected Graphs Strongly Connected. Algorithmica, 2020, 82, 787-807.	1.3	0
6	Linear gradient structures and discrete gradient methods for conservative/dissipative differential-algebraic equations. BIT Numerical Mathematics, 2019, 59, 1063-1091.	2.0	0
7	A robust numerical integrator for the short pulse equation near criticality. Journal of Computational and Applied Mathematics, 2019, 361, 343-365.	2.0	2
8	On spatial discretization of evolutionary differential equations on the periodic domain with a mixed derivative. Journal of Computational and Applied Mathematics, 2019, 358, 221-240.	2.0	3
9	Stability and convergence of a conservative finite difference scheme for the modified Hunter-Saxton equation. BIT Numerical Mathematics, 2019, 59, 213-241.	2.0	6
10	Combinatorial Relaxation Algorithm for the Entire Sequence of the Maximum Degree of Minors. Algorithmica, 2017, 77, 815-835.	1.3	3
11	A novel discrete variational derivative method using "average-difference methods". JSIAM Letters, 2016, 8, 81-84.	0.5	13
12	An analysis on the asymptotic behavior of multistep linearly implicit schemes for the Duffing equation. JSIAM Letters, 2015, 7, 45-48.	0.5	0
13	Combinatorial relaxation algorithm for the entire sequence of the maximum degree of minors in mixed polynomial matrices. JSIAM Letters, 2015, 7, 49-52.	0.5	5
14	A Lyapunov-Type Theorem for Dissipative Numerical Integrators with Adaptive Time-Stepping. SIAM Journal on Numerical Analysis, 2015, 53, 2505-2518.	2.3	7