Gianluca Frasca-Caccia

List of Publications by Year
in descending order

15 papers	**181** citations	1307594 **7** h-index	1058476 **14** g-index
16 all docs	**16** docs citations	**16** times ranked	**63** citing authors

#	ARTICLE	IF	CITATIONS
1	Energy conservation issues in the numerical solution of the semilinear wave equation. Applied Mathematics and Computation, 2015, 270, 842-870.	2.2	63
2	Efficient implementation of Gauss collocation and Hamiltonian boundary value methods. Numerical Algorithms, 2014, 65, 633-650.	1.9	45
3	Simple bespoke preservation of two conservation laws. IMA Journal of Numerical Analysis, 2020, 40, 1294-1329.	2.9	13
4	Line Integral Solution of Hamiltonian PDEs. Mathematics, 2019, 7, 275.	2.2	12
5	A New Technique for Preserving Conservation Laws. Foundations of Computational Mathematics, 2022, 22, 477-506.	2.5	9
6	Locally conservative finite difference schemes for the modified KdV equation. Journal of Computational Dynamics, 2019, 6, 307-323.	1.1	9
7	Efficient implementation of geometric integrators for separable Hamiltonian problems. AIP Conference Proceedings, 2013, , .	0.4	7
8	Line integral formulation of energy and QUadratic invariants preserving (EQUIP) methods for Hamiltonian systems. AIP Conference Proceedings, 2016, , .	0.4	5
9	Numerical preservation of multiple local conservation laws. Applied Mathematics and Computation, 2021, 403, 126203.	2.2	4
10	Exponentially fitted methods that preserve conservation laws. Communications in Nonlinear Science and Numerical Simulation, 2022, 109, 106334.	3.3	4
11	Energy conservation issues in the numerical solution of Hamiltonian PDEs. AIP Conference Proceedings, 2015, , .	0.4	3
12	Recent advances in the numerical solution of Hamiltonian PDEs. AIP Conference Proceedings, 2015, , .	0.4	2
13	Recent advances in the numerical solution of Hamiltonian partial differential equations. AIP Conference Proceedings, 2016, , .	0.4	2
14	Numerical conservation laws of time fractional diffusion PDEs. Fractional Calculus and Applied Analysis, 2022, 25, 1459-1483.	2.2	2
15	Bespoke finite difference methods that preserve two local conservation laws of the modified KdV equation. AIP Conference Proceedings, 2019, , .	0.4	1