

Mark Wilkinson

List of Publications by Year in descending order

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10
papers

16
citations

2682572

2
h-index

2550090

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g-index

10
all docs

10
docs citations

10
times ranked

10
citing authors

#	ARTICLE	IF	CITATIONS
1	Semi-discrete optimal transport methods for the semi-geostrophic equations. <i>Calculus of Variations and Partial Differential Equations</i> , 2022, 61, 1.	1.7	3
2	On the convergence of soft potential dynamics to hard sphere dynamics. <i>Asymptotic Analysis</i> , 2018, 107, 1-32.	0.5	2
3	On Collision Invariants for Linear Scattering. <i>Communications on Pure and Applied Mathematics</i> , 2018, 71, 1494-1534.	3.1	2
4	The Stability Principle and global weak solutions of the free surface semi-geostrophic equations in geostrophic coordinates. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019, 475, 20180787.	2.1	2
5	On a paradox in the impact dynamics of smooth rigid bodies. <i>Mathematics and Mechanics of Solids</i> , 2019, 24, 573-597.	2.4	2
6	Smooth solutions of the surface semi-geostrophic equations. <i>Calculus of Variations and Partial Differential Equations</i> , 2020, 59, 1.	1.7	2
7	A derivation of the Liouville equation for hard particle dynamics with non-conservative interactions. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2021, 151, 1040-1074.	1.2	2
8	On the Non-uniqueness of Physical Scattering for Hard Non-spherical Particles. <i>Archive for Rational Mechanics and Analysis</i> , 2020, 235, 2055-2083.	2.4	1
9	Linear Dynamics of the Semi-geostrophic Equations in Eulerian Coordinates on \mathbb{R}^3 . <i>Journal of Mathematical Fluid Mechanics</i> , 2021, 23, 1.	1.0	0
10	A Lie algebra-theoretic approach to characterisation of collision invariants of the Boltzmann equation for general convex particles. <i>Kinetic and Related Models</i> , 2022, 15, 283.	0.9	0