

# Tristan Buckmaster

## List of Publications by Year in descending order

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22  
papers

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citations

759233

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752698

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g-index

22  
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docs citations

22  
times ranked

241  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shock Formation and Vorticity Creation for 3d Euler. Communications on Pure and Applied Mathematics, 2023, 76, 1965-2072.	3.1	4
2	Formation of Point Shocks for 3D Compressible Euler. Communications on Pure and Applied Mathematics, 2023, 76, 2073-2191.	3.1	5
3	Formation of Shocks for $2D$ Isentropic Compressible Euler. Communications on Pure and Applied Mathematics, 2022, 75, 2069-2120.	3.1	17
4	Formation of Unstable Shocks for 2D Isentropic Compressible Euler. Communications in Mathematical Physics, 2022, 389, 197-271.	2.2	6
5	Direct Verification of the Kinetic Description of Wave Turbulence for Finite-Size Systems Dominated by Interactions among Groups of Six Waves. Physical Review Letters, 2022, 129, .	7.8	5
6	Onset of the wave turbulence description of the longtime behavior of the nonlinear Schrödinger equation. Inventiones Mathematicae, 2021, 225, 787-855.	2.5	21
7	Convex integration and phenomenologies in turbulence. EMS Surveys in Mathematical Sciences, 2020, 6, 173-263.	1.4	54
8	The Surface Quasi-geostrophic Equation With Random Diffusion. International Mathematics Research Notices, 2020, 2020, 9370-9385.	1.0	5
9	Progress in Mathematical Fluid Dynamics. Lecture Notes in Mathematics, 2020, , .	0.2	3
10	Weak Solutions of Ideal MHD Which Do Not Conserve Magnetic Helicity. Annals of PDE, 2020, 6, 1.	1.8	24
11	Convex integration constructions in hydrodynamics. Bulletin of the American Mathematical Society, 2020, 58, 1-44.	1.5	25
12	A Heuristic Approach to Convex Integration for the Euler Equations. Lecture Notes in Mathematics, 2020, , 1-14.	0.2	0
13	Onsager's Conjecture for Admissible Weak Solutions. Communications on Pure and Applied Mathematics, 2019, 72, 229-274.	3.1	141
14	Nonuniqueness of Weak Solutions to the SQG Equation. Communications on Pure and Applied Mathematics, 2019, 72, 1809-1874.	3.1	50
15	Analysis of (CR) in Higher Dimension. International Mathematics Research Notices, 2019, 2019, 1265-1280.	1.0	0
16	On the kinetic wave turbulence description for NLS. Quarterly of Applied Mathematics, 2019, 78, 261-275.	0.7	2
17	Nonuniqueness of weak solutions to the Navier-Stokes equation. Annals of Mathematics, 2019, 189, .	4.2	166
18	Effective Dynamics of the Nonlinear Schrödinger Equation on Large Domains. Communications on Pure and Applied Mathematics, 2018, 71, 1407-1460.	3.1	19

#	ARTICLE	IF	CITATIONS
19	Dissipative Euler Flows with Onsager's Critical Spatial Regularity. Communications on Pure and Applied Mathematics, 2016, 69, 1613-1670.	3.1	59
20	The Korteweg-de Vries equation at $(H^{-1})$ regularity. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2015, 32, 1071-1098.	1.4	14
21	Onsager's Conjecture Almost Everywhere in Time. Communications in Mathematical Physics, 2015, 333, 1175-1198.	2.2	56
22	Anomalous dissipation for $1/5$ -Holder Euler flows. Annals of Mathematics, 2015, , 127-172.	4.2	106