

Tristan Buckmaster

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/649092/publications.pdf>

Version: 2024-02-01

22
papers

782
citations

759233

12
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

241
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonuniqueness of weak solutions to the Navier-Stokes equation. <i>Annals of Mathematics</i> , 2019, 189, .	4.2	166
2	Onsager's Conjecture for Admissible Weak Solutions. <i>Communications on Pure and Applied Mathematics</i> , 2019, 72, 229-274.	3.1	141
3	Anomalous dissipation for 1/5-Hölder Euler flows. <i>Annals of Mathematics</i> , 2015, , 127-172.	4.2	106
4	Dissipative Euler Flows with Onsager's Critical Spatial Regularity. <i>Communications on Pure and Applied Mathematics</i> , 2016, 69, 1613-1670.	3.1	59
5	Onsager's Conjecture Almost Everywhere in Time. <i>Communications in Mathematical Physics</i> , 2015, 333, 1175-1198.	2.2	56
6	Convex integration and phenomenologies in turbulence. <i>EMS Surveys in Mathematical Sciences</i> , 2020, 6, 173-263.	1.4	54
7	Nonuniqueness of Weak Solutions to the SQG Equation. <i>Communications on Pure and Applied Mathematics</i> , 2019, 72, 1809-1874.	3.1	50
8	Convex integration constructions in hydrodynamics. <i>Bulletin of the American Mathematical Society</i> , 2020, 58, 1-44.	1.5	25
9	Weak Solutions of Ideal MHD Which Do Not Conserve Magnetic Helicity. <i>Annals of PDE</i> , 2020, 6, 1.	1.8	24
10	Onset of the wave turbulence description of the longtime behavior of the nonlinear Schrödinger equation. <i>Inventiones Mathematicae</i> , 2021, 225, 787-855.	2.5	21
11	Effective Dynamics of the Nonlinear Schrödinger Equation on Large Domains. <i>Communications on Pure and Applied Mathematics</i> , 2018, 71, 1407-1460.	3.1	19
12	Formation of Shocks for 2D Isentropic Compressible Euler. <i>Communications on Pure and Applied Mathematics</i> , 2022, 75, 2069-2120.	3.1	17
13	The Korteweg-de Vries equation at (H^{-1}) regularity. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2015, 32, 1071-1098.	1.4	14
14	Formation of Unstable Shocks for 2D Isentropic Compressible Euler. <i>Communications in Mathematical Physics</i> , 2022, 389, 197-271.	2.2	6
15	The Surface Quasi-geostrophic Equation With Random Diffusion. <i>International Mathematics Research Notices</i> , 2020, 2020, 9370-9385.	1.0	5
16	Formation of Point Shocks for 3D Compressible Euler. <i>Communications on Pure and Applied Mathematics</i> , 2023, 76, 2073-2191.	3.1	5
17	Direct Verification of the Kinetic Description of Wave Turbulence for Finite-Size Systems Dominated by Interactions among Groups of Six Waves. <i>Physical Review Letters</i> , 2022, 129, .	7.8	5
18	Shock Formation and Vorticity Creation for 3d Euler. <i>Communications on Pure and Applied Mathematics</i> , 2023, 76, 1965-2072.	3.1	4

#	ARTICLE	IF	CITATIONS
19	Progress in Mathematical Fluid Dynamics. Lecture Notes in Mathematics, 2020, , .	0.2	3
20	On the kinetic wave turbulence description for NLS. Quarterly of Applied Mathematics, 2019, 78, 261-275.	0.7	2
21	Analysis of (CR) in Higher Dimension. International Mathematics Research Notices, 2019, 2019, 1265-1280.	1.0	0
22	A Heuristic Approach to Convex Integration for the Euler Equations. Lecture Notes in Mathematics, 2020, , 1-14.	0.2	0