Alexei Novikov

List of Publications by Year
in descending order

19 papers	230 citations	8 h-index (1163117)	15 g-index (996975)
20 all docs	20 docs citations	20 times ranked	136 citing authors

#	Article	IF	Citations
1	Optimal mixing and optimal stirring for fixed energy, fixed power, or fixed palenstrophy flows. Journal of Mathematical Physics, 2012, 53, .	1.1	46
2	Boundary Layers and KPP Fronts in a Cellular Flow. Archive for Rational Mechanics and Analysis, 2007, 184, 23-48.	2.4	33
3	The explosion problem in a flow. Journal D'Analyse Mathematique, 2010, 110, 31-65.	0.8	23
4	Boundary layers for cellular flows at high Péclet numbers. Communications on Pure and Applied Mathematics, 2005, 58, 867-922.	3.1	22
5	Illumination Strategies for Intensity-Only Imaging. SIAM Journal on Imaging Sciences, 2015, 8, 1547-1573.	2.2	22
6	Fictitious Fluid Approach and Anomalous Blow-up of the Dissipation Rate in a Two-Dimensional Model of Concentrated Suspensions. Archive for Rational Mechanics and Analysis, 2009, 193, 585-622.	2.4	18
7	Homogenization of the g-equation with incompressible random drift in two dimensions. Communications in Mathematical Sciences, 2011, 9, 561-582.	1.0	17
8	Multifrequency Interferometric Imaging with Intensity-Only Measurements. SIAM Journal on Imaging Sciences, 2017, 10, 1005-1032.	2.2	10
9	Coherent Imaging without Phases. SIAM Journal on Imaging Sciences, 2016, 9, 1689-1707.	2.2	7
10	Anomalous diffusion in fast cellular flows at intermediate time scales. Probability Theory and Related Fields, 2016, 164, 707-740.	1.8	6
11	Relaxation in Reactive Flows. Geometric and Functional Analysis, 2008, 18, 1145-1167.	1.8	5
12	Feeble Fish in Time€Dependent Waters and Homogenization of the G€equation. Communications on Pure and Applied Mathematics, 2020, 73, 1453-1489.	3.1	5
13	The Noise Collector for sparse recovery in high dimensions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11226-11232.	7.1	5
14	Synthetic Aperture Imaging With Intensity-Only Data. IEEE Transactions on Computational Imaging, 2020, 6, 87-94.	4.4	2
15	Fast Signal Recovery From Quadratic Measurements. IEEE Transactions on Signal Processing, 2021, 69, 2042-2055.	5.3	2
16	Evolution of particle separation in slowly decorrelating velocity fields. Communications in Mathematical Sciences, 2012, 10, 767-786.	1.0	2
17	On the explosion problem in a ball. Communications in Mathematical Sciences, 2015, 13, 1025-1032.	1.0	2
18	Resetting of a particle system for the Navier€"Stokes equations. Communications in Mathematical Sciences, 2018, 16, 879-886.	1.0	0

#	ARTICLE	IF	CITATIONS
19	Sparse signal recovery from correlation measurements using the noise collector. , 2021, , .		0