

Alexei Novikov

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

230
citations

1163117

8
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

136
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast Signal Recovery From Quadratic Measurements. IEEE Transactions on Signal Processing, 2021, 69, 2042-2055.	5.3	2
2	Sparse signal recovery from correlation measurements using the noise collector. , 2021, , .		0
3	Synthetic Aperture Imaging With Intensity-Only Data. IEEE Transactions on Computational Imaging, 2020, 6, 87-94.	4.4	2
4	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
5	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
6	Resetting of a particle system for the Navier-Stokes equations. Communications in Mathematical Sciences, 2018, 16, 879-886.	1.0	0
7	Multifrequency Interferometric Imaging with Intensity-Only Measurements. SIAM Journal on Imaging Sciences, 2017, 10, 1005-1032.	2.2	10
8	Coherent Imaging without Phases. SIAM Journal on Imaging Sciences, 2016, 9, 1689-1707.	2.2	7
9	Anomalous diffusion in fast cellular flows at intermediate time scales. Probability Theory and Related Fields, 2016, 164, 707-740.	1.8	6
10	Illumination Strategies for Intensity-Only Imaging. SIAM Journal on Imaging Sciences, 2015, 8, 1547-1573.	2.2	22
11	On the explosion problem in a ball. Communications in Mathematical Sciences, 2015, 13, 1025-1032.	1.0	2
12	Optimal mixing and optimal stirring for fixed energy, fixed power, or fixed palenstrophy flows. Journal of Mathematical Physics, 2012, 53, .	1.1	46
13	Evolution of particle separation in slowly decorrelating velocity fields. Communications in Mathematical Sciences, 2012, 10, 767-786.	1.0	2
14	Homogenization of the g-equation with incompressible random drift in two dimensions. Communications in Mathematical Sciences, 2011, 9, 561-582.	1.0	17
15	The explosion problem in a flow. Journal D'Analyse Mathematique, 2010, 110, 31-65.	0.8	23
16	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
17	Relaxation in Reactive Flows. Geometric and Functional Analysis, 2008, 18, 1145-1167.	1.8	5
18	Boundary Layers and KPP Fronts in a Cellular Flow. Archive for Rational Mechanics and Analysis, 2007, 184, 23-48.	2.4	33

#	ARTICLE	IF	CITATIONS
19	Boundary layers for cellular flows at high Péclet numbers. Communications on Pure and Applied Mathematics, 2005, 58, 867-922.	3.1	22