

# Alfonso Sorrentino

## List of Publications by Year in descending order

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20  
papers

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citations

1163117

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h-index

1125743

13  
g-index

20  
all docs

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docs citations

20  
times ranked

72  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the local Birkhoff conjecture for convex billiards. <i>Annals of Mathematics</i> , 2018, 188, .	4.2	47
2	Action-minimizing Methods in Hamiltonian Dynamics: An Introduction to Aubry-Mather Theory. , 2015, , .		30
3	Aubry-Mather Theory for Conformally Symplectic Systems. <i>Communications in Mathematical Physics</i> , 2017, 354, 775-808.	2.2	27
4	Differentiability of Mather's average action and integrability on closed surfaces. <i>Nonlinearity</i> , 2011, 24, 1777-1793.	1.4	15
5	On the integrability of Birkhoff billiards. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170419.	3.4	15
6	Computing Mather's $\eta$ -function for Birkhoff billiards. <i>Discrete and Continuous Dynamical Systems</i> , 2015, 35, 5055-5082.	0.9	11
7	Action minimizing properties and distances on the group of Hamiltonian diffeomorphisms. <i>Geometry and Topology</i> , 2010, 14, 2383-2403.	1.3	10
8	On the marked length spectrum of generic strictly convex billiard tables. <i>Duke Mathematical Journal</i> , 2018, 167, .	1.5	10
9	On the integrability of Tonelli Hamiltonians. <i>Transactions of the American Mathematical Society</i> , 2011, 363, 5071-5089.	0.9	9
10	Nearly Circular Domains Which Are Integrable Close to the Boundary Are Ellipses. <i>Geometric and Functional Analysis</i> , 2018, 28, 334-392.	1.8	9
11	Weak Liouville-Arnol $\epsilon^2$ Theorems and Their Implications. <i>Communications in Mathematical Physics</i> , 2012, 315, 109-133.	2.2	5
12	On the total disconnectedness of the quotient Aubry set. <i>Ergodic Theory and Dynamical Systems</i> , 2008, 28, 267-290.	0.6	4
13	Efficacy and Safety of Off-Label Use of Fondaparinux in the Management of Heparin-Induced Thrombocytopenia with Thrombosis in an Elderly Woman. <i>Journal of Clinical Pharmacology</i> , 2013, 53, 999-1002.	2.0	4
14	Global results for eikonal Hamilton-Jacobi equations on networks. <i>Analysis and PDE</i> , 2018, 11, 171-211.	1.4	4
15	Markov numbers, Mather's $\chi^2$ function and stable norm. <i>Nonlinearity</i> , 2019, 32, 2147-2156.	1.4	4
16	Symplectic and contact properties of the Mañé critical value of the universal cover. <i>Nonlinear Differential Equations and Applications</i> , 2014, 21, 679-708.	0.8	3
17	Remarks on the symplectic invariance of Aubry-Mather sets. <i>Comptes Rendus Mathematique</i> , 2016, 354, 419-423.	0.3	3
18	Inverse problems and rigidity questions in billiard dynamics. <i>Ergodic Theory and Dynamical Systems</i> , 2022, 42, 1023-1056.	0.6	1

#	ARTICLE	IF	CITATIONS
19	On the regularity of Mather's $\hat{I}^2$ -function for standard-like twist maps. <i>Advances in Mathematics</i> , 2021, 377, 107460.	1.1	0
20	On John Mather's seminal contributions in Hamiltonian dynamics. <i>Methods and Applications of Analysis</i> , 2019, 26, 37-64.	0.5	0