

Alex Haro

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Efficient and Reliable Algorithms for the Computation of Non-Twist Invariant Circles. Foundations of Computational Mathematics, 2022, 22, 791-847.	2.5	4
2	Non-twist invariant circles in conformally symplectic systems. Communications in Nonlinear Science and Numerical Simulation, 2021, 96, 105695.	3.3	5
3	Flow map parameterization methods for invariant tori in Hamiltonian systems. Communications in Nonlinear Science and Numerical Simulation, 2021, 101, 105859.	3.3	10
4	Effective bounds for the measure of rotations. Nonlinearity, 2020, 33, 700-741.	1.4	5
5	A-posteriori KAM theory with optimal estimates for partially integrable systems. Journal of Differential Equations, 2019, 266, 1605-1674.	2.2	6
6	On the sharpness of the Rüssmann estimates. Communications in Nonlinear Science and Numerical Simulation, 2018, 55, 42-55.	3.3	6
7	Rigorous Computer-Assisted Application of KAM Theory: A Modern Approach. Foundations of Computational Mathematics, 2017, 17, 1123-1193.	2.5	40
8	Computation of Quasi-Periodic Normally Hyperbolic Invariant Tori: Algorithms, Numerical Explorations and Mechanisms of Breakdown. Journal of Nonlinear Science, 2017, 27, 1829-1868.	2.1	19
9	Computation of Quasiperiodic Normally Hyperbolic Invariant Tori: Rigorous Results. Journal of Nonlinear Science, 2017, 27, 1869-1904.	2.1	15
10	A Newton-like Method for Computing Normally Hyperbolic Invariant Tori. Applied Mathematical Sciences (Switzerland), 2016, , 187-238.	0.8	2
11	The Parameterization Method for Invariant Manifolds. Applied Mathematical Sciences (Switzerland), 2016, , .	0.8	86
12	An Overview of the Parameterization Method for Invariant Manifolds. Applied Mathematical Sciences (Switzerland), 2016, , 1-28.	0.8	9
13	The Parameterization Method in KAM Theory. Applied Mathematical Sciences (Switzerland), 2016, , 119-185.	0.8	0
14	A note on the fractalization of saddle invariant curves in quasiperiodic systems. Discrete and Continuous Dynamical Systems - Series S, 2016, 9, 1095-1107.	1.1	0
15	Different scenarios for hyperbolicity breakdown in quasiperiodic area preserving twist maps. Chaos, 2015, 25, 123119.	2.5	9
16	Parameterization Method for Computing Quasi-periodic Reducible Normally Hyperbolic Invariant Tori. SEMA SIMAI Springer Series, 2014, , 85-94.	0.7	12
17	A Thouless formula and Aubry duality for long-range Schrödinger skew-products. Nonlinearity, 2013, 26, 1163-1187.	1.4	16
18	Triple collisions of invariant bundles. Discrete and Continuous Dynamical Systems - Series B, 2013, 18, 2069-2082.	0.9	3

#	ARTICLE	IF	CITATIONS
19	Reliable Computation of Robust Response Tori on the Verge of Breakdown. SIAM Journal on Applied Dynamical Systems, 2012, 11, 597-628.	1.6	27
20	A geometric description of a macroeconomic model with a center manifold. Journal of Economic Dynamics and Control, 2009, 33, 1217-1235.	1.6	2
21	Global bifurcations, credit rationing and recurrent hyperinflations. Journal of Economic Dynamics and Control, 2007, 31, 473-491.	1.6	7
22	Strange nonchaotic attractors in Harper maps. Chaos, 2006, 16, 033127.	2.5	27
23	A parameterization method for the computation of invariant tori and their whiskers in quasi-periodic maps: Numerical algorithms. Discrete and Continuous Dynamical Systems - Series B, 2006, 6, 1261-1300.	0.9	75
24	Global dynamics in macroeconomics: an overlapping generations example. Journal of Economic Dynamics and Control, 2003, 27, 1941-1959.	1.6	5
25	An algorithm to generate canonical transformations: application to normal forms. Physica D: Nonlinear Phenomena, 2002, 167, 197-217.	2.8	18
26	Macroeconomics: What can we Learn from the Dynamical Systems Literature?. Advances in Computational Economics, 2002, , 33-61.	0.1	0
27	New Mechanisms for Lack of Equipartition of Energy. Physical Review Letters, 2000, 85, 1859-1862.	7.8	13
28	The primitive function of an exact symplectomorphism. Nonlinearity, 2000, 13, 1483-1500.	1.4	15
29	Converse KAM theory for monotone positive symplectomorphisms. Nonlinearity, 1999, 12, 1299-1322.	1.4	12