

# Alex Haro

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The Parameterization Method for Invariant Manifolds. Applied Mathematical Sciences (Switzerland), 2016, , .	0.8	86
2	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
3	Rigorous Computer-Assisted Application of KAM Theory: A Modern Approach. Foundations of Computational Mathematics, 2017, 17, 1123-1193.	2.5	40
4	Strange nonchaotic attractors in Harper maps. Chaos, 2006, 16, 033127.	2.5	27
5	Reliable Computation of Robust Response Tori on the Verge of Breakdown. SIAM Journal on Applied Dynamical Systems, 2012, 11, 597-628.	1.6	27
6	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
7	An algorithm to generate canonical transformations: application to normal forms. Physica D: Nonlinear Phenomena, 2002, 167, 197-217.	2.8	18
8	A Thouless formula and Aubry duality for long-range Schrödinger skew-products. Nonlinearity, 2013, 26, 1163-1187.	1.4	16
9	The primitive function of an exact symplectomorphism. Nonlinearity, 2000, 13, 1483-1500.	1.4	15
10	Computation of Quasiperiodic Normally Hyperbolic Invariant Tori: Rigorous Results. Journal of Nonlinear Science, 2017, 27, 1869-1904.	2.1	15
11	New Mechanisms for Lack of Equipartition of Energy. Physical Review Letters, 2000, 85, 1859-1862.	7.8	13
12	Converse KAM theory for monotone positive symplectomorphisms. Nonlinearity, 1999, 12, 1299-1322.	1.4	12
13	Parameterization Method for Computing Quasi-periodic Reducible Normally Hyperbolic Invariant Tori. SEMA SIMAI Springer Series, 2014, , 85-94.	0.7	12
14	Flow map parameterization methods for invariant tori in Hamiltonian systems. Communications in Nonlinear Science and Numerical Simulation, 2021, 101, 105859.	3.3	10
15	Different scenarios for hyperbolicity breakdown in quasiperiodic area preserving twist maps. Chaos, 2015, 25, 123119.	2.5	9
16	An Overview of the Parameterization Method for Invariant Manifolds. Applied Mathematical Sciences (Switzerland), 2016, , 1-28.	0.8	9
17	Global bifurcations, credit rationing and recurrent hyperinflations. Journal of Economic Dynamics and Control, 2007, 31, 473-491.	1.6	7
18	On the sharpness of the Rüssmann estimates. Communications in Nonlinear Science and Numerical Simulation, 2018, 55, 42-55.	3.3	6

#	ARTICLE	IF	CITATIONS
19	A-posteriori KAM theory with optimal estimates for partially integrable systems. Journal of Differential Equations, 2019, 266, 1605-1674.	2.2	6
20	Global dynamics in macroeconomics: an overlapping generations example. Journal of Economic Dynamics and Control, 2003, 27, 1941-1959.	1.6	5
21	Effective bounds for the measure of rotations. Nonlinearity, 2020, 33, 700-741.	1.4	5
22	Non-twist invariant circles in conformally symplectic systems. Communications in Nonlinear Science and Numerical Simulation, 2021, 96, 105695.	3.3	5
23	Efficient and Reliable Algorithms for the Computation of Non-Twist Invariant Circles. Foundations of Computational Mathematics, 2022, 22, 791-847.	2.5	4
24	Triple collisions of invariant bundles. Discrete and Continuous Dynamical Systems - Series B, 2013, 18, 2069-2082.	0.9	3
25	A geometric description of a macroeconomic model with a center manifold. Journal of Economic Dynamics and Control, 2009, 33, 1217-1235.	1.6	2
26	A Newton-like Method for Computing Normally Hyperbolic Invariant Tori. Applied Mathematical Sciences (Switzerland), 2016, , 187-238.	0.8	2
27	Macroeconomics: What can we Learn from the Dynamical Systems Literature?. Advances in Computational Economics, 2002, , 33-61.	0.1	0
28	The Parameterization Method in KAM Theory. Applied Mathematical Sciences (Switzerland), 2016, , 119-185.	0.8	0
29	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