Bassam Fayad

List of Publications by Year
in descending order

45 papers	614 citations	567281 15 h-index	642732 23 g-index
47 all docs	47 docs citations	47 times ranked	181 citing authors

#	Article	IF	Citations
1	Lyapunov unstable elliptic equilibria. Journal of the American Mathematical Society, 2023, 36, 81-106.	3.9	4
2	Topological weak mixing and diffusion at all times for a class of Hamiltonian systems. Ergodic Theory and Dynamical Systems, 2022, 42, 777-791.	0.6	0
3	Non-differentiable irrational curves for twist map. Ergodic Theory and Dynamical Systems, 2022, 42, 491-499.	0.6	0
4	Multiple Borel–Cantelli Lemma in dynamics and MultiLog Law for recurrence. Journal of Modern Dynamics, 2022, 18, 209.	0.5	3
5	Intertemporal Price Discrimination with Time-Varying Valuations. Operations Research, 2021, 69, 245-265.	1.9	6
6	Erratic behavior for 1-dimensional random walks in a Liouville quasi-periodic environment. Electronic Journal of Probability, 2021, 26, .	1.0	1
7	Lebesgue spectrum of countable multiplicity for conservative flows on the torus. Journal of the American Mathematical Society, 2021, 34, 747-813.	3.9	8
8	Realizing arbitrary d-dimensional dynamics by renormalization of C^d-perturbations of identity. Discrete and Continuous Dynamical Systems, 2021, .	0.9	0
9	On mixing diffeomorphisms of the disc. Inventiones Mathematicae, 2020, 220, 673-714.	2.5	3
10	Nekhoroshev estimates for steep real-analytic elliptic equilibrium points. Nonlinearity, 2020, 33, 1-33.	1.4	8
11	Deviations of ergodic sums for toral translations II. Boxes. Publications Mathematiques De L'Institut Des Hautes Etudes Scientifiques, 2020, 132, 293-352.	4.3	4
12	KAM Tori are No More than Sticky. Archive for Rational Mechanics and Analysis, 2020, 237, 1177-1211.	2.4	2
13	Super-exponential stability for generic real-analytic elliptic equilibrium points. Advances in Mathematics, 2020, 366, 107088.	1.1	11
14	Attracted by an elliptic fixed point. Asterisque, 2020, 416, 321-380.	0.4	4
15	Attracted by an elliptic fixed point. Asterisque, 2020, 416, 321-380.	0.4	1
16	Continuous spectrum for a class of smooth mixing Schrödinger operators. Ergodic Theory and Dynamical Systems, 2019, 39, 357-369.	0.6	1
17	On local rigidity of partially hyperbolic affine ℤ[k] actions. Journal Fur Die Reine Und Angewandte Mathematik, 2019, 2019, 1-26.	0.9	5
18	Superexponential Stability of Quasi-Periodic Motion in Hamiltonian Systems. Communications in Mathematical Physics, 2017, 350, 361-386.	2.2	12

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19	An effective version of Katok's horseshoe theorem for conservative C^2 surface diffeomorphisms. Journal of Modern Dynamics, 2017, 11, 425-445.	0.5	1
20	Multiple mixing for a class of conservative surface flows. Inventiones Mathematicae, 2016, 203, 555-614.	2.5	25
21	Rigidity times for a weakly mixing dynamical system which are not rigidity times for any irrational rotation. Ergodic Theory and Dynamical Systems, 2015, 35, 2529-2534.	0.6	10
22	On manifolds supporting distributionally uniquely ergodic diffeomorphisms. Journal of Differential Geometry, 2015, 99, .	1.1	3
23	Around the stability of KAM tori. Duke Mathematical Journal, 2015, 164, .	1.5	23
24	Deviations of Ergodic sums for Toral Translations I. Convex bodies. Geometric and Functional Analysis, 2014, 24, 85-115.	1.8	9
25	On the convergence to 0 of $mn\nu$, mod,1. Acta Arithmetica, 2014, 165, 327-332.	0.4	5
26	Analytic uniquely ergodic volume preserving maps on odd spheres. Commentarii Mathematici Helvetici, 2014, 89, 963-977.	0.7	10
27	KAM-tori near an analytic elliptic fixed point. Regular and Chaotic Dynamics, 2013, 18, 801-831.	0.8	10
28	A Kam Scheme for SL(2, $\mathbb{R}$) Cocycles with Liouvillean Frequencies. Geometric and Functional Analysis, 2011, 21, 1001-1019.	1.8	91
29	Unbounded Orbits for Semicircular Outer Billiard. Annales Henri Poincare, 2009, 10, 357-375.	1.7	17
30	Herman's last geometric theorem. Annales Scientifiques De L'Ecole Normale Superieure, 2009, 42, 193-219.	0.8	37
31	Rigidity results for quasiperiodic SL(2, R)-cocycles. Journal of Modern Dynamics, 2009, 3, 479-510.	0.5	23
32	Smooth linearization of commuting circle diffeomorphisms. Annals of Mathematics, 2009, 170, 961-980.	4.2	20
33	Exponential growth of product of matrices in ${\rm SL}(2,\mathbb{R})$. Nonlinearity, 2008, 21, 319-323.	1.4	8
34	Discrete and continuous spectra on laminations over Aubry-Mather sets. Discrete and Continuous Dynamical Systems, 2008, 21, 823-834.	0.9	1
35	Smooth mixing flows with purely singular spectra. Duke Mathematical Journal, 2006, 132, 371.	1.5	15
36	Dichotomies between uniform hyperbolicity and zero Lyapunov exponents for SL(2, $\mathbb{R}$) cocycles. Bulletin of the Brazilian Mathematical Society, 2006, 37, 307-349.	0.8	15

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37	MIXING IN THE ABSENCE OF THE SHRINKING TARGET PROPERTY. Bulletin of the London Mathematical Society, 2006, 38, 829-838.	0.8	29
38	On the Ergodicity of Cylindrical Transformations given by the Logarithm. Moscow Mathematical Journal, 2006, 6, 657-672.	0.4	6
39	On the ergodicity of the Weyl sums cocycle. Acta Arithmetica, 2006, 125, 305-316.	0.4	3
40	Weak mixing disc and annulus diffeomorphisms with arbitrary Liouville rotation number on the boundary. Annales Scientifiques De L'Ecole Normale Superieure, 2005, 38, 339-364.	0.8	32
41	Rank one and mixing differentiable flows. Inventiones Mathematicae, 2005, 160, 305-340.	2.5	16
42	Constructions in elliptic dynamics. Ergodic Theory and Dynamical Systems, 2004, 24, 1477-1520.	0.6	68
43	Mixed Spectrum Reparameterizations of Linear Flows on T2. Moscow Mathematical Journal, 2001, 1, 521-537.	0.4	19
44	Polynomial decay of correlations for a class of smooth flows on the two torus. Bulletin De La Societe Mathematique De France, 2001, 129, 487-503.	0.2	23
45	Central limit theorems for simultaneous Diophantine approximations. Journal De L'Ecole Polytechnique - Mathematiques, 0, 4, 1-35.	0.0	6