Krzysztof FrÄczek

List of Publications by Year in descending order

43	342	933447 10	888059 17
papers	citations	h-index	g-index

43	43	43	43
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Singularity of the Spectrum for Smooth Area-Preserving Flows in Genus Two and Translation Surfaces Well Approximated by Cylinders. Communications in Mathematical Physics, 2021, 381, 1369-1407.	2.2	7
2	Recurrence for smooth curves in the moduli space and an application to the billiard flow on nibbled ellipses. Analysis and PDE, 2021, 14, 793-821.	1.4	1
3	ON TYPICALITY OF TRANSLATION FLOWS WHICH ARE DISJOINT WITH THEIR INVERSE. Journal of the Institute of Mathematics of Jussieu, 2020, 19, 1677-1737.	0.7	3
4	Ergodic properties of the ideal gas model for infinite billiards. Physica D: Nonlinear Phenomena, 2019, 390, 9-14.	2.8	0
5	Approximate orthogonality of powers for ergodic affine unipotent diffeomorphisms on nilmanifolds. Studia Mathematica, 2019, 244, 43-97.	0.7	6
6	On Ergodicity of Foliations on $${mathbb{Z}^d}$$ Z d -Covers of Half-Translation Surfaces and Some Applications to Periodic Systems of Eaton Lenses. Communications in Mathematical Physics, 2018, 362, 609-657.	2.2	2
7	Recurrence and nonâ€ergodicity in generalized windâ€tree models. Mathematische Nachrichten, 2018, 291, 1686-1711.	0.8	5
8	Genericity on curves and applications: pseudo-integrable billiards, Eaton lenses and gap distributions. Journal of Modern Dynamics, 2018, 12, 55-122.	0.5	8
9	On special flows over IETs that are not isomorphic to their inverses. Discrete and Continuous Dynamical Systems, 2015, 35, 829-855.	0.9	5
10	A class of mixing special flows over two--dimensional rotations. Discrete and Continuous Dynamical Systems, 2015, 35, 4823-4829.	0.9	0
11	Directional localization of light rays in a periodic array of retro-reflector lenses. Nonlinearity, 2014, 27, 1689-1707.	1.4	4
12	Ergodic Directions for Billiards in a Strip with Periodically Located Obstacles. Communications in Mathematical Physics, 2014, 327, 643-663.	2.2	6
13	Non-ergodic $mathbb{Z}$ -periodic billiards and infinite translation surfaces. Inventiones Mathematicae, 2014, 197, 241-298.	2.5	32
14	Non-reversibility and self-joinings of higher orders for ergodic flows. Journal D'Analyse Mathematique, 2014, 122, 163-227.	0.8	11
15	On the self-similarity problem for Gaussian-Kronecker flows. Proceedings of the American Mathematical Society, 2013, 141, 4275-4291.	0.8	4
16	Ergodic properties of infinite extensions of area-preserving flows. Mathematische Annalen, 2012, 354, 1289-1367.	1.4	9
17	Cocycles over interval exchange transformations and multivalued Hamiltonian flows. Advances in Mathematics, 2011, 226, 4373-4428.	1.1	18
18	A note on quasi-similarity of Koopman operators. Journal of the London Mathematical Society, 2010, 82, 361-375.	1.0	4

#	Article	IF	Citations
19	On the Hausdorff dimension of the set of closed orbits for a cylindrical transformation. Nonlinearity, 2010, 23, 2393-2422.	1.4	7
20	Ratner's property and mild mixing for special flows over two-dimensional rotations. Journal of Modern Dynamics, 2010, 4, 609-635.	0.5	9
21	Disjointness of interval exchange transformations from systems of probabilistic origin. Discrete and Continuous Dynamical Systems, 2010, 27, 53-73.	0.9	1
22	On the self-similarity problem for ergodic flows. Proceedings of the London Mathematical Society, 2009, 99, 658-696.	1.3	14
23	Smooth singular flows in dimension 2 with the minimal self-joining property. Monatshefte Fur Mathematik, 2009, 156, 11-45.	0.9	8
24	Density of mild mixing property for vertical flows of Abelian differentials. Proceedings of the American Mathematical Society, 2009, 137, 4129-4142.	0.8	5
25	Ergodic automorphisms whose weak closure of off-diagonal measures consists of ergodic self-joinings. Colloquium Mathematicum, 2008, 110, 81-115.	0.3	24
26	Note on the isomorphism problem for weighted unitary operators associated with a nonsingular automorphism. Colloquium Mathematicum, 2008, 110, 201-204.	0.3	0
27	Mild mixing property for special flows under piecewise constant functions. Discrete and Continuous Dynamical Systems, 2007, 19, 691-710.	0.9	18
28	On mild mixing of special flows over irrational rotations under piecewise smooth functions. Ergodic Theory and Dynamical Systems, 2006, 26, 719.	0.6	26
29	On disjointness properties of some smooth flows. Fundamenta Mathematicae, 2005, 185, 117-142.	0.5	19
30	A class of special flows over irrational rotations which is disjoint from mixing flows. Ergodic Theory and Dynamical Systems, 2004, 24, 1083-1095.	0.6	24
31	On the degree of cocycles with values in the groupSU(2). Israel Journal of Mathematics, 2004, 139, 293-317.	0.8	5
32	Polynomial growth of the derivative for diffeomorphisms on tori. Discrete and Continuous Dynamical Systems, 2004, 11, 489-516.	0.9	0
33	On diffeomorphisms with polynomial growth of the derivative on surfaces. Colloquium Mathematicum, 2004, 99, 75-90.	0.3	1
34	On symmetric logarithm and some old examples in smooth ergodic theory. Fundamenta Mathematicae, 2003, 180, 241-255.	0.5	23
35	Measure-preserving diffeomorphisms of the torus. Ergodic Theory and Dynamical Systems, 2001, 21, .	0.6	2
36	Some examples of cocycles with simple continuous singular spectrum. Studia Mathematica, 2001, 146, 1-13.	0.7	1

#	ARTICLE	IF	CITATIONS
37	On Cocycles with Values in the Group SU(2). Monatshefte Fur Mathematik, 2000, 131, 279-307.	0.9	5
38	Circle Extensions of Z d -Rotations on the d -Dimensional Torus. Journal of the London Mathematical Society, 2000, 61, 139-162.	1.0	8
39	On ergodicity of some cylinder flows. Fundamenta Mathematicae, 2000, 163, 117-130.	0.5	6
40	Linear growth of the derivative for measure-preserving diffeomorphisms. Colloquium Mathematicum, 2000, 84, 147-157.	0.3	0
41	On a function that realizes the maximal spectral type. Studia Mathematica, 1997, 124, 1-7.	0.7	8
42	Prime number theorem for regular Toeplitz subshifts. Ergodic Theory and Dynamical Systems, 0, , 1-28.	0.6	1
43	Non-uniform ergodic properties of Hamiltonian flows with impacts. Ergodic Theory and Dynamical Systems, 0, , 1-63.	0.6	2