Leo T Butler

List of Publications by Year
in descending order

23 papers	97 citations	1684188 5 h-index	1474206 9 g-index
23 all docs	23 docs citations	23 times ranked	33 citing authors

#	Article	IF	Citations
1	Invariant tori for multi-dimensional integrable Hamiltonians coupled to a single thermostat. Nonlinearity, 2022, 35, 4659-4694.	1.4	0
2	Horseshoes for Singly Thermostated Hamiltonians. SIAM Journal on Applied Dynamical Systems, 2020, 19, 2268-2285.	1.6	1
3	Invariant tori for a class of singly thermostated Hamiltonians. Journal of Mathematical Physics, 2020, 61, 082702.	1.1	1
4	Horseshoes and invariant tori in cosmological models with a coupled field and non-zero curvature [*]. Classical and Quantum Gravity, 2020, 37, 195024.	4.0	0
5	Nosé-Thermostated Mechanical Systems on the n-Torus. Archive for Rational Mechanics and Analysis, 2018, 227, 855-867.	2.4	1
6	Invariant tori for the Nosé thermostat near the high-temperature limit. Nonlinearity, 2016, 29, 3454-3463.	1.4	3
7	Positive-entropy Hamiltonian systems on Nilmanifolds via scattering. Nonlinearity, 2014, 27, 2479-2488.	1.4	2
8	Smooth Structures on Eschenburg Spaces: Numerical Computations. Experimental Mathematics, 2012, 21, 57-64.	0.7	0
9	Weak Liouville-Arnol′d Theorems and Their Implications. Communications in Mathematical Physics, 2012, 315, 109-133.	2.2	5
10	Positive-entropy integrable systems and the Toda lattice, II. Mathematical Proceedings of the Cambridge Philosophical Society, 2010, 149, 491-538.	0.4	2
11	The Maslov cocycle, smooth structures, and real-analytic complete integrability. American Journal of Mathematics, 2009, 131, 1311-1336.	1.1	4
12	Magnetic Flows on Sol-Manifolds: Dynamical and Symplectic Aspects. Communications in Mathematical Physics, 2008, 284, 187-202.	2.2	5
13	Positive-entropy geodesic flows on nilmanifolds. Nonlinearity, 2008, 21, 1423-1434.	1.4	5
14	An optical Hamiltonian and obstructions to integrability. Nonlinearity, 2006, 19, 2123-2135.	1.4	3
15	Invariant fibrations of geodesic flows. Topology, 2005, 44, 769-789.	0.3	14
16	Manifolds of infinite topological type with integrable geodesic flows. Manuscripta Mathematica, 2005, 116, 99-113.	0.6	0
17	Toda lattices and positive-entropy integrable systems. Inventiones Mathematicae, 2004, 158, 515-549.	2.5	6
18	Invariant Metrics on Nilmanifolds with Positive Topological Entropy. Geometriae Dedicata, 2003, 100, 173-185.	0.3	5

#	Article	IF	Citations
19	Integrable Hamiltonian flows with positive Lebesgue-measure entropy. Ergodic Theory and Dynamical Systems, 2003, 23, 1671-1690.	0.6	2
20	Zero entropy, non-integrable geodesic flows and a non-commutative rotation vector. Transactions of the American Mathematical Society, 2003, 355, 3641-3650.	0.9	5
21	Collective geodesic flows. Annales De L'Institut Fourier, 2003, 53, 265-308.	0.6	4
22	Integrable geodesic flows on n-step nilmanifolds. Journal of Geometry and Physics, 2000, 36, 315-323.	1.4	17
23	New examples of integrable geodesic flows. Asian Journal of Mathematics, 2000, 4, 515-526.	0.3	12