Rua Murray

List of Publications by Year
in descending order

35 papers	**405** citations	759233 **12** h-index	794594 **19** g-index
35 all docs	**35** docs citations	**35** times ranked	**370** citing authors

#	ARTICLE	IF	CITATIONS
1	Information on Biotic Interactions Improves Transferability of Distribution Models. American Naturalist, 2015, 185, 281-290.	2.1	38
2	The effect of competition on species' distributions depends on coexistence, rather than scale alone. Ecography, 2015, 38, 1071-1079.	4.5	38
3	The exact rate of approximation in Ulam's method. Discrete and Continuous Dynamical Systems, 2001, 7, 219-235.	0.9	38
4	Computing invariant measures for expanding circle maps. Nonlinearity, 1998, 11, 27-46.	1.4	35
5	Effects of dispersal and stochasticity on the presence–absence of multiple species. Ecological Modelling, 2016, 342, 49-59.	2.5	31
6	Effects of different dispersal patterns on the presence-absence of multiple species. Communications in Nonlinear Science and Numerical Simulation, 2018, 56, 115-130.	3.3	21
7	Approximation error for invariant density calculations. Discrete and Continuous Dynamical Systems, 1998, 4, 535-557.	0.9	21
8	Effects of biotic interactions and dispersal on the presence-absence of multiple species. Chaos, Solitons and Fractals, 2017, 99, 185-194.	5.1	20
9	Ulam's method for some non-uniformly expanding maps. Discrete and Continuous Dynamical Systems, 2010, 26, 1007-1018.	0.9	19
10	Dynamical Probing of the Mechanisms Underlying Calcium Oscillations. Journal of Nonlinear Science, 2006, 16, 483-506.	2.1	18
11	Efficient computation of topological entropy, pressure, conformal measures, and equilibrium states in one dimension. Physical Review E, 2007, 76, 036702.	2.1	18
12	Spectral degeneracy and escape dynamics for intermittent maps with a hole. Nonlinearity, 2011, 24, 2435-2463.	1.4	14
13	A modified approach to objective surface generation within the Gauss-Newton parameter identification to ignore outlier data points. Biomedical Signal Processing and Control, 2016, 30, 162-169.	5.7	13
14	Existence, mixing and approximation of invariant densities for expanding maps on. Nonlinear Analysis: Theory, Methods & Applications, 2001, 45, 37-72.	1.1	12
15	Optimal partition choice for invariant measure approximation for one-dimensional maps. Nonlinearity, 2004, 17, 1623-1644.	1.4	10
16	Practical identifiability of parametrised models: A review of benefits and limitations of various approaches. Mathematics and Computers in Simulation, 2022, 199, 202-216.	4.4	9
17	Ulam's Method for Lasota--Yorke Maps with Holes. SIAM Journal on Applied Dynamical Systems, 2014, 13, 1010-1032.	1.6	7
18	Dynamical conditions for convergence of a maximum entropy method for Frobenius–Perron operator equations. Applied Mathematics and Computation, 2006, 182, 210-212.	2.2	6

#	Article	IF	Citations
19	Duality and the Computation of Approximate Invariant Densities for Nonsingular Transformations. SIAM Journal on Optimization, 2007, 18, 691-709.	2.0	5
20	Maximum Entropy Estimates for Risk-Neutral Probability Measures with Non-Strictly-Convex Data. Journal of Optimization Theory and Applications, 2014, 161, 285-307.	1.5	5
21	A Minimal Set of Sensors in a Smart-Shirt to Obtain Respiratory Parameters. IFAC-PapersOnLine, 2020, 53, 16293-16298.	0.9	5
22	The dimensional reduction method for identification of parameters that trade-off due to similar model roles. Mathematical Biosciences, 2017, 285, 119-127.	1.9	4
23	A Sequential Optimization-Simulation Approach for Planning the Transition to the Low Carbon Freight System with Case Study in the North Island of New Zealand. Energies, 2021, 14, 3339.	3.1	4
24	The quadratic dimensional reduction method for parameter identification. Communications in Nonlinear Science and Numerical Simulation, 2019, 73, 425-436.	3.3	3
25	Minimum 'energy' approximations of invariant measures for nonsingular transformations. Discrete and Continuous Dynamical Systems, 2006, 14, 597-615.	0.9	3
26	The Novel Dimensional Reduction Method and Tikhonov Regularisation in Parameter Identification of Non-Linear Ill-Posed Problems. IFAC-PapersOnLine, 2017, 50, 5474-5479.	0.9	2
27	Using the Adapted Levenberg-Marquardt method to determine the validity of ignoring insulin and glucose data that is affected by mixing. IFAC-PapersOnLine, 2020, 53, 16341-16346.	0.9	2
28	POLYNOMIAL DECAY OF CORRELATIONS IN THE GENERALIZED BAKER'S TRANSFORMATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350130.	1.7	1
29	First hyperbolic times for intermittent maps with unbounded derivative. Dynamical Systems, 2014, 29, 352-368.	0.4	1
30	The Effects of Additional Local-Mixing Compartments in the DISST Model-Based Assessment of Insulin Sensitivity. Journal of Diabetes Science and Technology, 2021, , 193229682110216.	2.2	1
31	Optimal Sensor Location in a Smart-Shirt to Measure Accurate Tidal Volumes During Abdominal and Thoracic Respiration. Current Directions in Biomedical Engineering, 2021, 7, 574-577.	0.4	1
32	Roundoff-induced phenomena and diffusion processes: the `premature' synchronisation of coupled maps. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 271, 358-367.	2.1	0
33	Quenched stochastic stability for eventually expanding-on-average random interval map cocycles. Ergodic Theory and Dynamical Systems, 2019, 39, 2769-2792.	0.6	0
34	A SIMPLE USE OF THE DIFFUSION APPROXIMATION FOR TREATING ROUNDOFF-INDUCED PROBLEMS IN COUPLED MAPS WITH AN INVARIANT SUBSET. , 2001, , .		0
35	Numerical Approximation of Conditionally Invariant Measures via Maximum Entropy. Springer Proceedings in Mathematics and Statistics, 2014, , 81-104.	0.2	0