

Rua Murray

List of Publications by Year in descending order

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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	Practical identifiability of parametrised models: A review of benefits and limitations of various approaches. <i>Mathematics and Computers in Simulation</i> , 2022, 199, 202-216.	4.4	9
2	The Effects of Additional Local-Mixing Compartments in the DISST Model-Based Assessment of Insulin Sensitivity. <i>Journal of Diabetes Science and Technology</i> , 2021, , 193229682110216.	2.2	1
3	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. <i>Energies</i> , 2021, 14, 3339.	3.1	4
4	Optimal Sensor Location in a Smart-Shirt to Measure Accurate Tidal Volumes During Abdominal and Thoracic Respiration. <i>Current Directions in Biomedical Engineering</i> , 2021, 7, 574-577.	0.4	1
5	A Minimal Set of Sensors in a Smart-Shirt to Obtain Respiratory Parameters. <i>IFAC-PapersOnLine</i> , 2020, 53, 16293-16298.	0.9	5
6	Using the Adapted Levenberg-Marquardt method to determine the validity of ignoring insulin and glucose data that is affected by mixing. <i>IFAC-PapersOnLine</i> , 2020, 53, 16341-16346.	0.9	2
7	The quadratic dimensional reduction method for parameter identification. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 73, 425-436.	3.3	3
8	Quenched stochastic stability for eventually expanding-on-average random interval map cocycles. <i>Ergodic Theory and Dynamical Systems</i> , 2019, 39, 2769-2792.	0.6	0
9	Effects of different dispersal patterns on the presence-absence of multiple species. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 56, 115-130.	3.3	21
10	The dimensional reduction method for identification of parameters that trade-off due to similar model roles. <i>Mathematical Biosciences</i> , 2017, 285, 119-127.	1.9	4
11	Effects of biotic interactions and dispersal on the presence-absence of multiple species. <i>Chaos, Solitons and Fractals</i> , 2017, 99, 185-194.	5.1	20
12	The Novel Dimensional Reduction Method and Tikhonov Regularisation in Parameter Identification of Non-Linear Ill-Posed Problems. <i>IFAC-PapersOnLine</i> , 2017, 50, 5474-5479.	0.9	2
13	A modified approach to objective surface generation within the Gauss-Newton parameter identification to ignore outlier data points. <i>Biomedical Signal Processing and Control</i> , 2016, 30, 162-169.	5.7	13
14	Effects of dispersal and stochasticity on the presence“absence of multiple species. <i>Ecological Modelling</i> , 2016, 342, 49-59.	2.5	31
15	Information on Biotic Interactions Improves Transferability of Distribution Models. <i>American Naturalist</i> , 2015, 185, 281-290.	2.1	38
16	The effect of competition on species' distributions depends on coexistence, rather than scale alone. <i>Ecography</i> , 2015, 38, 1071-1079.	4.5	38
17	Ulam's Method for Lasota–Yorke Maps with Holes. <i>SIAM Journal on Applied Dynamical Systems</i> , 2014, 13, 1010-1032.	1.6	7
18	Maximum Entropy Estimates for Risk-Neutral Probability Measures with Non-Strictly-Convex Data. <i>Journal of Optimization Theory and Applications</i> , 2014, 161, 285-307.	1.5	5

#	ARTICLE	IF	CITATIONS
19	First hyperbolic times for intermittent maps with unbounded derivative. <i>Dynamical Systems</i> , 2014, 29, 352-368.	0.4	1
20	Numerical Approximation of Conditionally Invariant Measures via Maximum Entropy. <i>Springer Proceedings in Mathematics and Statistics</i> , 2014, , 81-104.	0.2	0
21	POLYNOMIAL DECAY OF CORRELATIONS IN THE GENERALIZED BAKER'S TRANSFORMATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013, 23, 1350130.	1.7	1
22	Spectral degeneracy and escape dynamics for intermittent maps with a hole. <i>Nonlinearity</i> , 2011, 24, 2435-2463.	1.4	14
23	Ulam's method for some non-uniformly expanding maps. <i>Discrete and Continuous Dynamical Systems</i> , 2010, 26, 1007-1018.	0.9	19
24	Efficient computation of topological entropy, pressure, conformal measures, and equilibrium states in one dimension. <i>Physical Review E</i> , 2007, 76, 036702.	2.1	18
25	Duality and the Computation of Approximate Invariant Densities for Nonsingular Transformations. <i>SIAM Journal on Optimization</i> , 2007, 18, 691-709.	2.0	5
26	Dynamical conditions for convergence of a maximum entropy method for Frobenius's Perron operator equations. <i>Applied Mathematics and Computation</i> , 2006, 182, 210-212.	2.2	6
27	Dynamical Probing of the Mechanisms Underlying Calcium Oscillations. <i>Journal of Nonlinear Science</i> , 2006, 16, 483-506.	2.1	18
28	Minimum 'energy' approximations of invariant measures for nonsingular transformations. <i>Discrete and Continuous Dynamical Systems</i> , 2006, 14, 597-615.	0.9	3
29	Optimal partition choice for invariant measure approximation for one-dimensional maps. <i>Nonlinearity</i> , 2004, 17, 1623-1644.	1.4	10
30	Existence, mixing and approximation of invariant densities for expanding maps on. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2001, 45, 37-72.	1.1	12
31	The exact rate of approximation in Ulam's method. <i>Discrete and Continuous Dynamical Systems</i> , 2001, 7, 219-235.	0.9	38
32	A SIMPLE USE OF THE DIFFUSION APPROXIMATION FOR TREATING ROUND-OFF-INDUCED PROBLEMS IN COUPLED MAPS WITH AN INVARIANT SUBSET. , 2001, , .		0
33	Roundoff-induced phenomena and diffusion processes: the 'premature' synchronisation of coupled maps. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 271, 358-367.	2.1	0
34	Computing invariant measures for expanding circle maps. <i>Nonlinearity</i> , 1998, 11, 27-46.	1.4	35
35	Approximation error for invariant density calculations. <i>Discrete and Continuous Dynamical Systems</i> , 1998, 4, 535-557.	0.9	21