Bo Deng

List of Publications by Year
in descending order

34 papers	460 citations	840776 11 h-index	713466 21 g-index
34 all docs	34 docs citations	34 times ranked	236 citing authors

#	Article	IF	Citations
1	The existence of $ omega $-limit set for a modified NosÃ©-Hoover oscillator. Discrete and Continuous Dynamical Systems - Series B, 2022, .	0.9	0
2	Neuron model with conductance-resistance symmetry. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 125976.	2.1	1
3	MOCASSIN-prot: a multi-objective clustering approach for protein similarity networks. Bioinformatics, 2018, 34, 1270-1277.	4.1	2
4	An Inverse Problem: Trappers Drove Hares to Eat Lynx. Acta Biotheoretica, 2018, 66, 213-242.	1.5	3
5	Alternative Models to Hodgkinâ€"Huxley Equations. Bulletin of Mathematical Biology, 2017, 79, 1390-1411.	1.9	6
6	Numerical proof for chemostat chaos of Shilnikov's type. Chaos, 2017, 27, 033106.	2.5	8
7	A male spider×³s ornamentation polymorphism maintained by opposing selection with two niches. Journal of Theoretical Biology, 2014, 357, 103-111.	1.7	5
8	Neural spike renormalization. Part I â€" Universal number 1. Journal of Differential Equations, 2011, 250, 2940-2957.	2.2	2
9	From Energy Gradient and Natural Selection to Biodiversity and Stability of Ecosystems. Open Ecology Journal, 2010, 3, 95-110.	2.0	3
10	CONCEPTUAL CIRCUIT MODELS OF NEURONS. Journal of Integrative Neuroscience, 2009, 08, 255-297.	1.7	6
11	Can discrete modellers work without the TIP?. Ecological Modelling, 2009, 220, 2600-2601.	2.5	2
12	The Time Invariance Principle, the absence of ecological chaos, and a fundamental pitfall of discrete modeling. Ecological Modelling, 2008, 215, 287-292.	2.5	10
13	Competitive coexistence in stoichiometric chaos. Chaos, 2007, 17, 033108.	2.5	15
14	Biological control does not imply paradox. Mathematical Biosciences, 2007, 208, 26-32.	1.9	13
15	The Origin of Two Sexes Through Optimization of Recombination Entropy Against Time and Energy. Bulletin of Mathematical Biology, 2007, 69, 2105-2114.	1.9	0
16	Why is the Number of DNA Bases 4?. Bulletin of Mathematical Biology, 2006, 68, 727-733.	1.9	2
17	Equilibriumizing all food chain chaos through reproductive efficiency. Chaos, 2006, 16, 043125.	2.5	14
18	Erratum to â€œChaotic Coexistence in a Top-Predator Mediated Competitive Exclusive Webâ€•[J. Dynam. Diff. Eq. 16, 1061--1092 (2004)]. Journal of Dynamics and Differential Equations, 2005, 17, 217-217.	1.9	1

#	Article	IF	Citations
19	FOOD WEB CHAOS WITHOUT SUBCHAIN OSCILLATORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 3481-3492.	1.7	8
20	Food chain chaos with canard explosion. Chaos, 2004, 14, 1083-1092.	2.5	49
21	Chaotic Coexistence in a Top-predator Mediated Competitive Exclusive web. Journal of Dynamics and Differential Equations, 2004, 16, 1061-1092.	1.9	9
22	Food chain chaos due to transcritical point. Chaos, 2003, 13, 578-585.	2.5	34
23	Food chain chaos due to Shilnikovâ€™s orbit. Chaos, 2002, 12, 533-538.	2.5	57
24	CHAOTIC ATTRACTORS IN ONE-DIMENSION GENERATED BY A SINGULAR SHILNIKOV ORBIT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 3059-3083.	1.7	3
25	ON A NONLINEAR COMMUNICATION SCHEME. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 2227-2232.	1.7	1
26	Food chain chaos due to junction-fold point. Chaos, 2001, 11, 514-525.	2.5	50
27	Glucose-induced period-doubling cascade in the electrical activity of pancreatic Î²-cells. Journal of Mathematical Biology, 1999, 38, 21-78.	1.9	24
28	SPIRAL-PLUS-SADDLE ATTRACTORS AND ELEMENTARY MECHANISMS FOR CHAOS GENERATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1996, 06, 513-527.	1.7	6
29	EXPONENTIAL EXPANSION WITH PRINCIPAL EIGENVALUES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1996, 06, 1161-1167.	1.7	11
30	CONSTRUCTING LORENZ TYPE ATTRACTORS THROUGH SINGULAR PERTURBATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1995, 05, 1633-1642.	1.7	11
31	CONSTRUCTING HOMOCLINIC ORBITS AND CHAOTIC ATTRACTORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1994, 04, 823-841.	1.7	37
32	A mathematical model that mimics the bursting oscillations in pancreatic Î²-cells. Mathematical Biosciences, 1994, 119, 241-250.	1.9	10
33	Homoclinic twisting bifurcations and cusp horseshoe maps. Journal of Dynamics and Differential Equations, 1993, 5, 417-467.	1.9	40
34	Smooth conjugacy of centre manifolds. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 1992, 120, 61-77.	1.2	17