

Zhenqing Li

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

962
citations

430874

18
h-index

454955

30
g-index

41
all docs

41
docs citations

41
times ranked

817
citing authors

#	ARTICLE	IF	CITATIONS
1	Title is missing!. Plant Ecology, 2003, 165, 169-181.	1.6	136
2	Pattern formation of a predator-prey system with Ivlev-type functional response. Ecological Modelling, 2010, 221, 131-140.	2.5	81
3	Complex dynamics of a reaction-diffusion epidemic model. Nonlinear Analysis: Real World Applications, 2012, 13, 2240-2258.	1.7	67
4	The dynamic complexity of a three-species Beddington-type food chain with impulsive control strategy. Chaos, Solitons and Fractals, 2007, 32, 1772-1785.	5.1	58
5	Dynamic analysis of Michaelis-Menten chemostat-type competition models with time delay and pulse in a polluted environment. Journal of Mathematical Chemistry, 2010, 47, 123-144.	1.5	50
6	The dynamics of plant disease models with continuous and impulsive cultural control strategies. Journal of Theoretical Biology, 2010, 266, 29-40.	1.7	49
7	Modelling plant population size and extinction thresholds from habitat loss and habitat fragmentation: Effects of neighbouring competition and dispersal strategy. Ecological Modelling, 2013, 268, 9-17.	2.5	47
8	The dynamics of a Beddington-type system with impulsive control strategy. Chaos, Solitons and Fractals, 2006, 29, 1229-1239.	5.1	45
9	Species persistence in landscapes with spatial variation in habitat quality: A pair approximation model. Journal of Theoretical Biology, 2013, 335, 22-30.	1.7	42
10	Relationship between increase rate of human plague in China and global climate index as revealed by cross-spectral and cross-wavelet analyses. Integrative Zoology, 2007, 2, 144-153.	2.6	40
11	Dynamics of a novel nonlinear SIR model with double epidemic hypothesis and impulsive effects. Nonlinear Dynamics, 2010, 59, 503-513.	5.2	28
12	Chaotic behavior of a three-species Beddington-type system with impulsive perturbations. Chaos, Solitons and Fractals, 2008, 37, 438-443.	5.1	25
13	The effects of delayed growth response on the dynamic behaviors of the Monod type chemostat model with impulsive input nutrient concentration. Nonlinear Analysis: Real World Applications, 2010, 11, 4476-4486.	1.7	24
14	Stability analysis of a two-species model with transitions between population interactions. Journal of Theoretical Biology, 2007, 248, 145-153.	1.7	23
15	A CLASSIFICATION INDICES-BASED MODEL FOR NET PRIMARY PRODUCTIVITY (NPP) AND POTENTIAL PRODUCTIVITY OF VEGETATION IN CHINA. International Journal of Biomathematics, 2012, 05, 1260009.	2.9	22
16	Spatiotemporal complexity of a predator-prey system with the effect of noise and external forcing. Chaos, Solitons and Fractals, 2009, 41, 1634-1644.	5.1	20
17	Coexistence of species with different dispersal across landscapes: a critical role of spatial correlation in disturbance. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160537.	2.6	20
18	Unimodal relationship between three-dimensional soil heterogeneity and plant species diversity in experimental mesocosms. Plant and Soil, 2019, 436, 397-411.	3.7	18

#	ARTICLE	IF	CITATIONS
19	Effects of the coordination mechanism between roots and leaves induced by root-breaking and exogenous cytokinin spraying on the grazing tolerance of ryegrass. <i>Journal of Plant Research</i> , 2012, 125, 407-416.	2.4	16
20	Correlation of continuous ryegrass regrowth with cytokinin induced by root nitrate absorption. <i>Journal of Plant Research</i> , 2013, 126, 685-697.	2.4	16
21	Species coexistence in a lattice-structured habitat: Effects of species dispersal and interactions. <i>Journal of Theoretical Biology</i> , 2014, 359, 184-191.	1.7	16
22	Dynamical Analysis of Delayed Plant Disease Models with Continuous or Impulsive Cultural Control Strategies. <i>Abstract and Applied Analysis</i> , 2012, 2012, 1-25.	0.7	12
23	Small-scale spatial associations between <i>Artemisia frigida</i> and <i>Potentilla acaulis</i> at different intensities of sheep grazing. <i>Applied Vegetation Science</i> , 2007, 10, 139.	1.9	11
24	Computer aided solving the high-order transition probability matrix of the finite Markov chain. <i>Applied Mathematics and Computation</i> , 2006, 172, 267-285.	2.2	10
25	Changes of Aboveground and Belowground Biomass Allocation in Four Dominant Grassland Species Across a Precipitation Gradient. <i>Frontiers in Plant Science</i> , 2021, 12, 650802.	3.6	10
26	Mechanization for solving SPP by reducing order method. <i>Applied Mathematics and Computation</i> , 2005, 169, 1028-1037.	2.2	9
27	The response of a shrub-invaded grassland on the Inner Mongolia steppe to long-term grazing by sheep. <i>New Zealand Journal of Agricultural Research</i> , 2006, 49, 163-174.	1.6	8
28	Effects of space partitioning in a plant species diversity model. <i>Ecological Modelling</i> , 2013, 251, 271-278.	2.5	8
29	Natural selection between two games with environmental feedback. <i>International Journal of Biomathematics</i> , 2021, 14, .	2.9	8
30	Effects of different grazing regimes on the morphological traits of <i>Carex duriuscula</i> on the Inner Mongolia steppe, China. <i>New Zealand Journal of Agricultural Research</i> , 2010, 53, 5-12.	1.6	6
31	Modelling tree-grass coexistence in water-limited ecosystems. <i>Ecological Modelling</i> , 2017, 360, 387-398.	2.5	6
32	Small-scale spatial associations between <i>Artemisia frigida</i> and <i>Potentilla acaulis</i> at different intensities of sheep grazing. <i>Applied Vegetation Science</i> , 2007, 10, 139-148.	1.9	5
33	Three-dimensional soil heterogeneity modulates responses of grassland mesocosms to an experimentally imposed drought extreme. <i>Oikos</i> , 2021, 130, 1209-1223.	2.7	5
34	Evolutionary game dynamics with impulsive effects. <i>Journal of Theoretical Biology</i> , 2008, 254, 384-389.	1.7	4
35	Modeling the impact of reproductive mode on masting. <i>Ecology and Evolution</i> , 2017, 7, 6284-6291.	1.9	4
36	Habitat heterogeneity mediates effects of individual variation on spatial species coexistence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192436.	2.6	4

#	ARTICLE	IF	CITATIONS
37	Gap formation following climatic events in spatially structured plant communities. Scientific Reports, 2015, 5, 11721.	3.3	3
38	The distribution models of grazing animals between two grassland resource points. Applied Mathematics and Computation, 2005, 169, 1395-1404.	2.2	2
39	Effects of Water Addition on Reproductive Allocation of Dominant Plant Species in Inner Mongolia Steppe. Frontiers in Plant Science, 2020, 11, 555743.	3.6	2
40	Effects of water supply on plant stoichiometry of C, N, P in Inner Mongolia grasslands. Plant and Soil, 0, , .	3.7	2
41	THE DYNAMICAL MODELS OF ACTIVATED SLUDGE SYSTEM: STOCHASTIC CELLULAR AUTOMATON AND DIFFERENTIAL EQUATIONS. International Journal of Biomathematics, 2012, 05, 1250048.	2.9	0