

Claudia Neuhauser

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1884328/publications.pdf>

Version: 2024-02-01

53
papers

2,444
citations

361045

20
h-index

233125

45
g-index

57
all docs

57
docs citations

57
times ranked

2762
citing authors

#	ARTICLE	IF	CITATIONS
1	Local migration promotes competitive restraint in a hostâ€“pathogen 'tragedy of the commons'. <i>Nature</i> , 2006, 442, 75-78.	13.7	346
2	The Genealogy of Samples in Models With Selection. <i>Genetics</i> , 1997, 145, 519-534.	1.2	261
3	Ancestral Processes with Selection. <i>Theoretical Population Biology</i> , 1997, 51, 210-237.	0.5	252
4	Spatial Dynamics in Model Plant Communities: What Do We Really Know?. <i>American Naturalist</i> , 2003, 162, 135-148.	1.0	195
5	A mutualismâ€“parasitism continuum model and its application to plantâ€“mycorrhizae interactions. <i>Ecological Modelling</i> , 2004, 177, 337-352.	1.2	148
6	An explicitly spatial version of the Lotka-Volterra model with interspecific competition. <i>Annals of Applied Probability</i> , 1999, 9, 1226.	0.6	122
7	Patch Aging and the Allee Effect: Breeding System Effects on the Demographic Response of Plants to Habitat Fragmentation. <i>American Naturalist</i> , 2007, 169, 383-397.	1.0	111
8	COMMUNITY GENETICS: EXPANDING THE SYNTHESIS OF ECOLOGY AND GENETICS. <i>Ecology</i> , 2003, 84, 545-558.	1.5	110
9	Toward a mechanistic understanding of how natural bacterial communities respond to changes in temperature in aquatic ecosystems. <i>ISME Journal</i> , 2008, 2, 471-481.	4.4	108
10	Ergodic theorems for the multitype contact process. <i>Probability Theory and Related Fields</i> , 1992, 91, 467-506.	0.9	97
11	Effects of parasitoid fecundity and host resistance on indirect interactions among hosts sharing a parasitoid. <i>Ecology Letters</i> , 2003, 6, 556-566.	3.0	77
12	The Pattern of Amino Acid Replacements in β -Barrels. <i>Molecular Biology and Evolution</i> , 2002, 19, 1846-1864.	3.5	64
13	Habitat Destruction and Competitive Coexistence in Spatially Explicit Models with Local Interactions. <i>Journal of Theoretical Biology</i> , 1998, 193, 445-463.	0.8	53
14	Translating Big Data into Smart Data for Veterinary Epidemiology. <i>Frontiers in Veterinary Science</i> , 2017, 4, 110.	0.9	47
15	The interacting effects of clumped seed dispersal and distanceâ€“and densityâ€“dependent mortality on seedling recruitment patterns. <i>Journal of Ecology</i> , 2012, 100, 862-873.	1.9	46
16	The Ancestral Graph and Gene Genealogy under Frequency-Dependent Selection. <i>Theoretical Population Biology</i> , 1999, 56, 203-214.	0.5	38
17	Coexistence results for some competition models. <i>Annals of Applied Probability</i> , 1997, 7, 10.	0.6	34
18	Founder control and coexistence in a simple model of asymmetric competition for light. <i>Journal of Theoretical Biology</i> , 2003, 222, 425-436.	0.8	34

#	ARTICLE	IF	CITATIONS
19	Multiplex matrix network analysis of protein complexes in the human TCR signalosome. <i>Science Signaling</i> , 2016, 9, rs7.	1.6	30
20	A long range sexual reproduction process. <i>Stochastic Processes and Their Applications</i> , 1994, 53, 193-220.	0.4	22
21	BIOLOGICAL AGING " CRITERIA FOR MODELING AND A NEW MECHANISTIC MODEL. <i>International Journal of Modern Physics C</i> , 2000, 11, 525-546.	0.8	22
22	An analytical workflow for accurate variant discovery in highly divergent regions. <i>BMC Genomics</i> , 2016, 17, 703.	1.2	22
23	The early proximal $\hat{1}\hat{2}$ TCR signalosome specifies thymic selection outcome through a quantitative protein interaction network. <i>Science Immunology</i> , 2019, 4, .	5.6	21
24	Natural Enemies and the Evolution of Resistance to Transgenic Insecticidal Crops by Pest Insects: The Role of Egg Mortality. <i>Environmental Entomology</i> , 2005, 34, 512-526.	0.7	19
25	In vitro and in silico multidimensional modeling of oncolytic tumor virotherapy dynamics. <i>PLoS Computational Biology</i> , 2019, 15, e1006773.	1.5	19
26	<i>In Vivo</i> Estimation of Oncolytic Virus Populations within Tumors. <i>Cancer Research</i> , 2018, 78, 5992-6000.	0.4	16
27	Survival of One-Dimensional Cellular Automata Under Random Perturbations. <i>Annals of Probability</i> , 1994, 22, .	0.8	16
28	Patterns in spatial simulations"are they real?. <i>Ecological Modelling</i> , 2002, 155, 19-30.	1.2	15
29	The biased annihilating branching process. <i>Advances in Applied Probability</i> , 1993, 25, 24-38.	0.4	11
30	A Phase Transition for the Distribution of Matching Blocks. <i>Combinatorics Probability and Computing</i> , 1996, 5, 139-159.	0.8	10
31	An ergodic theorem for Schliz $\frac{1}{2}$ gl models with small migration. <i>Probability Theory and Related Fields</i> , 1990, 85, 27-32.	0.9	9
32	Tipping the mutation"selection balance: Limited migration increases the frequency of deleterious mutants. <i>Journal of Theoretical Biology</i> , 2015, 380, 123-133.	0.8	9
33	A simple method for gene phasing using mate pair sequencing. <i>BMC Medical Genetics</i> , 2014, 15, 19.	2.1	8
34	Quantification of Protein Interaction Network Dynamics using Multiplexed Co-Immunoprecipitation. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	8
35	A catalytic surface reaction model. <i>Journal of Computational and Applied Mathematics</i> , 1992, 40, 157-161.	1.1	7
36	Coexistence for a catalytic surface reaction model. <i>Annals of Applied Probability</i> , 1997, 7, 565.	0.6	6

#	ARTICLE	IF	CITATIONS
37	Dynamics of a spin-exchange model. Stochastic Processes and Their Applications, 1996, 64, 187-208.	0.4	5
38	Gene Expression Signatures Characterized by Longitudinal Stability and Interindividual Variability Delineate Baseline Phenotypic Groups with Distinct Responses to Immune Stimulation. Journal of Immunology, 2018, 200, ji1701099.	0.4	5
39	A spatial model of range-dependent succession. Journal of Applied Probability, 2000, 37, 1044-1060.	0.4	5
40	Effects of Local Interactions and Local Migration on Stability. Theoretical Population Biology, 2002, 62, 297-308.	0.5	3
41	Harnessing uncertainty to approximate mechanistic models of interspecific interactions. Theoretical Population Biology, 2018, 123, 35-44.	0.5	3
42	A spatial model of range-dependent succession. Journal of Applied Probability, 2000, 37, 1044-1060.	0.4	2
43	Competencies: A Cure for Pre-Med Curriculum. Science, 2011, 334, 760-761.	6.0	2
44	Quantitative imaging and dynamics of tumor therapy with viruses. FEBS Journal, 2021, 288, 6273-6285.	2.2	2
45	The role of integration and abstraction in complex systems thinking across multiple contexts. , 2012, , .		2
46	Oncolytic virotherapy - in vivo veritas. Oncotarget, 2018, 9, 36254-36255.	0.8	1
47	A Markov Embedding Approximation for a Stochastic Population Model with Exogenous Disturbances. Methodology and Computing in Applied Probability, 2001, 3, 123-133.	0.7	0
48	Clinical Validation of a Haplotyping Method with Next-Generation Sequencing. Clinical Chemistry, 2015, 61, 430-431.	1.5	0
49	A Comprehensive Campus-based Approach to Address the Opportunities and Challenges Posed by Data Intensive Research. , 2019, , .		0
50	The effects of group keyboard music making on the mood states of college students. Psychology of Music, 0, , 030573562110327.	0.9	0
51	Coevolution in Spatial Habitats. , 2011, , .		0
52	A Note on the Stepping Stone Model with Extinction and Recolonization. The IMA Volumes in Mathematics and Its Applications, 1997, , 299-307.	0.5	0
53	Modeling Nature and the Nature of Modeling“an Integrative Modeling Approach. , 0, , 61-64.		0