

Andrew L Krause

List of Publications by Year in descending order

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35
all docs

35
docs citations

35
times ranked

313
citing authors

#	ARTICLE	IF	CITATIONS
1	Turing conditions for pattern forming systems on evolving manifolds. Journal of Mathematical Biology, 2021, 82, 4.	1.9	31
2	Locating the Baking Isotherm in a S�nderberg Electrode: Analysis of a Moving Thermistor Model. SIAM Journal on Applied Mathematics, 2021, 81, 1691-1716.	1.8	1
3	Bespoke Turing Systems. Bulletin of Mathematical Biology, 2021, 83, 41.	1.9	30
4	Isolating Patterns in Open Reaction��Diffusion Systems. Bulletin of Mathematical Biology, 2021, 83, 82.	1.9	13
5	Introduction to ��Recent progress and open frontiers in Turing��s theory of morphogenesis��. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200280.	3.4	10
6	Modern perspectives on near-equilibrium analysis of Turing systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200268.	3.4	34
7	Generalist predator dynamics under kolmogorov versus non-Kolmogorov models. Journal of Theoretical Biology, 2020, 486, 110060.	1.7	8
8	Turing Patterning in Stratified Domains. Bulletin of Mathematical Biology, 2020, 82, 136.	1.9	8
9	A Non-local Cross-Diffusion Model of Population Dynamics II: Exact, Approximate, and Numerical Traveling Waves in Single- and Multi-species Populations. Bulletin of Mathematical Biology, 2020, 82, 113.	1.9	8
10	A Non-local Cross-Diffusion Model of Population Dynamics I: Emergent Spatial and Spatiotemporal Patterns. Bulletin of Mathematical Biology, 2020, 82, 112.	1.9	16
11	From one pattern into another: analysis of Turing patterns in heterogeneous domains via WKBJ. Journal of the Royal Society Interface, 2020, 17, 20190621.	3.4	37
12	Predicting Bone Formation in Mesenchymal Stromal Cell-Seeded Hydrogels Using Experiment-Based Mathematical Modeling. Tissue Engineering - Part A, 2020, 26, 1014-1023.	3.1	3
13	Mix and Match: Phenotypic Coexistence as a Key Facilitator of Cancer Invasion. Bulletin of Mathematical Biology, 2020, 82, 15.	1.9	13
14	Unstaggered-staggered solitons on one- and two-dimensional two-component discrete nonlinear Schr�dinger lattices. Communications in Nonlinear Science and Numerical Simulation, 2020, 85, 105244.	3.3	3
15	Lattice and continuum modelling of a bioactive porous tissue scaffold. Mathematical Medicine and Biology, 2019, 36, 325-360.	1.2	3
16	Diffusive instabilities and spatial patterning from the coupling of reaction��diffusion processes with Stokes flow in complex domains. Journal of Fluid Mechanics, 2019, 877, 759-823.	3.4	12
17	Influence of Curvature, Growth, and Anisotropy on the Evolution of Turing Patterns on Growing Manifolds. Bulletin of Mathematical Biology, 2019, 81, 759-799.	1.9	36
18	Amplitude death criteria for coupled complex Ginzburg��Landau systems. Nonlinear Dynamics, 2019, 97, 151-159.	5.2	5

#	ARTICLE	IF	CITATIONS
19	Hybrid approach to modeling spatial dynamics of systems with generalist predators. Journal of Theoretical Biology, 2019, 462, 26-47.	1.7	10
20	Turingâ€“Hopf patterns on growing domains: The torus and the sphere. Journal of Theoretical Biology, 2019, 481, 136-150.	1.7	29
21	Emergent structures in reaction-advection-diffusion systems on a sphere. Physical Review E, 2018, 97, 042215.	2.1	15
22	Stochastic epidemic metapopulation models on networks: SIS dynamics and control strategies. Journal of Theoretical Biology, 2018, 449, 35-52.	1.7	32
23	Effects of tidal torques on 1I/2017 U1 (â€“Oumuamua). Icarus, 2018, 311, 170-174.	2.5	6
24	Predator-prey-subsidy population dynamics on stepping-stone domains with dispersal delays. Journal of Theoretical Biology, 2018, 451, 19-34.	1.7	7
25	Beyond Onsagerâ€“Casimir Relations: Shared Dependence of Phenomenological Coefficients on State Variables. Journal of Physical Chemistry Letters, 2018, 9, 7021-7025.	4.6	11
26	Bifurcations and Dynamics Emergent From Lattice and Continuum Models of Bioactive Porous Media. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1830037.	1.7	1
27	Chaotic Dynamics in the Planar Gravitational Many-Body Problem with Rigid Body Rotations. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1830013.	1.7	6
28	Heterogeneity induces spatiotemporal oscillations in reaction-diffusion systems. Physical Review E, 2018, 97, 052206.	2.1	23
29	Coupled complex Ginzburgâ€“Landau systems with saturable nonlinearity and asymmetric cross-phase modulation. Annals of Physics, 2018, 396, 397-428.	2.8	7
30	Continuous dispersal in a model of predatorâ€“prey-subsidy population dynamics. Ecological Modelling, 2017, 354, 115-122.	2.5	14
31	Two-Species Migration and Clustering in Two-Dimensional Domains. Bulletin of Mathematical Biology, 2017, 79, 2302-2333.	1.9	13
32	Dynamics of the non-autonomous stochastic p-Laplace equation driven by multiplicative noise. Applied Mathematics and Computation, 2014, 246, 365-376.	2.2	32
33	Pullback attractors of non-autonomous stochastic degenerate parabolic equations on unbounded domains. Journal of Mathematical Analysis and Applications, 2014, 417, 1018-1038.	1.0	41