

Andrew L Krause

List of Publications by Year in descending order

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33
papers

522
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686830

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35
docs citations

35
times ranked

313
citing authors

#	ARTICLE	IF	CITATIONS
1	Turing conditions for pattern forming systems on evolving manifolds. <i>Journal of Mathematical Biology</i> , 2021, 82, 4.	0.8	31
2	Locating the Baking Isotherm in a SÅderberg Electrode: Analysis of a Moving Thermistor Model. <i>SIAM Journal on Applied Mathematics</i> , 2021, 81, 1691-1716.	0.8	1
3	Bespoke Turing Systems. <i>Bulletin of Mathematical Biology</i> , 2021, 83, 41.	0.9	30
4	Isolating Patterns in Open Reaction–Diffusion Systems. <i>Bulletin of Mathematical Biology</i> , 2021, 83, 82.	0.9	13
5	Introduction to –Recent progress and open frontiers in Turing’s theory of morphogenesis–. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200280.	1.6	10
6	Modern perspectives on near-equilibrium analysis of Turing systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200268.	1.6	34
7	Generalist predator dynamics under kolmogorov versus non-Kolmogorov models. <i>Journal of Theoretical Biology</i> , 2020, 486, 110060.	0.8	8
8	Turing Patterning in Stratified Domains. <i>Bulletin of Mathematical Biology</i> , 2020, 82, 136.	0.9	8
9	A Non-local Cross-Diffusion Model of Population Dynamics II: Exact, Approximate, and Numerical Traveling Waves in Single- and Multi-species Populations. <i>Bulletin of Mathematical Biology</i> , 2020, 82, 113.	0.9	8
10	A Non-local Cross-Diffusion Model of Population Dynamics I: Emergent Spatial and Spatiotemporal Patterns. <i>Bulletin of Mathematical Biology</i> , 2020, 82, 112.	0.9	16
11	From one pattern into another: analysis of Turing patterns in heterogeneous domains via WKBJ. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20190621.	1.5	37
12	Predicting Bone Formation in Mesenchymal Stromal Cell-Seeded Hydrogels Using Experiment-Based Mathematical Modeling. <i>Tissue Engineering - Part A</i> , 2020, 26, 1014-1023.	1.6	3
13	Mix and Match: Phenotypic Coexistence as a Key Facilitator of Cancer Invasion. <i>Bulletin of Mathematical Biology</i> , 2020, 82, 15.	0.9	13
14	Unstaggered-staggered solitons on one- and two-dimensional two-component discrete nonlinear Schrödinger lattices. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 85, 105244.	1.7	3
15	Lattice and continuum modelling of a bioactive porous tissue scaffold. <i>Mathematical Medicine and Biology</i> , 2019, 36, 325-360.	0.8	3
16	Diffusive instabilities and spatial patterning from the coupling of reaction–diffusion processes with Stokes flow in complex domains. <i>Journal of Fluid Mechanics</i> , 2019, 877, 759-823.	1.4	12
17	Influence of Curvature, Growth, and Anisotropy on the Evolution of Turing Patterns on Growing Manifolds. <i>Bulletin of Mathematical Biology</i> , 2019, 81, 759-799.	0.9	36
18	Amplitude death criteria for coupled complex Ginzburg–Landau systems. <i>Nonlinear Dynamics</i> , 2019, 97, 151-159.	2.7	5

#	ARTICLE	IF	CITATIONS
19	Hybrid approach to modeling spatial dynamics of systems with generalist predators. <i>Journal of Theoretical Biology</i> , 2019, 462, 26-47.	0.8	10
20	Turingâ€™Hopf patterns on growing domains: The torus and the sphere. <i>Journal of Theoretical Biology</i> , 2019, 481, 136-150.	0.8	29
21	Emergent structures in reaction-advection-diffusion systems on a sphere. <i>Physical Review E</i> , 2018, 97, 042215.	0.8	15
22	Stochastic epidemic metapopulation models on networks: SIS dynamics and control strategies. <i>Journal of Theoretical Biology</i> , 2018, 449, 35-52.	0.8	32
23	Effects of tidal torques on 1I/2017 U1 (â€™Oumuamua). <i>Icarus</i> , 2018, 311, 170-174.	1.1	6
24	Predator-prey-subsidy population dynamics on stepping-stone domains with dispersal delays. <i>Journal of Theoretical Biology</i> , 2018, 451, 19-34.	0.8	7
25	Beyond Onsagerâ€™Casimir Relations: Shared Dependence of Phenomenological Coefficients on State Variables. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 7021-7025.	2.1	11
26	Bifurcations and Dynamics Emergent From Lattice and Continuum Models of Bioactive Porous Media. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018, 28, 1830037.	0.7	1
27	Chaotic Dynamics in the Planar Gravitational Many-Body Problem with Rigid Body Rotations. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018, 28, 1830013.	0.7	6
28	Heterogeneity induces spatiotemporal oscillations in reaction-diffusion systems. <i>Physical Review E</i> , 2018, 97, 052206.	0.8	23
29	Coupled complex Ginzburgâ€™Landau systems with saturable nonlinearity and asymmetric cross-phase modulation. <i>Annals of Physics</i> , 2018, 396, 397-428.	1.0	7
30	Continuous dispersal in a model of predatorâ€™prey-subsidy population dynamics. <i>Ecological Modelling</i> , 2017, 354, 115-122.	1.2	14
31	Two-Species Migration and Clustering in Two-Dimensional Domains. <i>Bulletin of Mathematical Biology</i> , 2017, 79, 2302-2333.	0.9	13
32	Dynamics of the non-autonomous stochastic p-Laplace equation driven by multiplicative noise. <i>Applied Mathematics and Computation</i> , 2014, 246, 365-376.	1.4	32
33	Pullback attractors of non-autonomous stochastic degenerate parabolic equations on unbounded domains. <i>Journal of Mathematical Analysis and Applications</i> , 2014, 417, 1018-1038.	0.5	41