Sebastian J Schreiber

List of Publications by Year
in descending order

93 papers	5,275 citations	159358 30 h-index	95083 68 g-index
117 all docs	117 docs citations	117 times ranked	6118 citing authors

#	Article	IF	Citations
1	Why intraspecific trait variation matters in community ecology. Trends in Ecology and Evolution, 2011, 26, 183-192.	4.2	1,809
2	How variation between individuals affects species coexistence. Ecology Letters, 2016, 19, 825-838.	3.0	242
3	Ocean acidification through the lens of ecological theory. Ecology, 2015, 96, 3-15.	1.5	237
4	Allee effects, extinctions, and chaotic transients in simple population models. Theoretical Population Biology, 2003, 64, 201-209.	0.5	210
5	Importance of Metapopulation Connectivity to Restocking and Restoration of Marine Species. Reviews in Fisheries Science, 2008, 16, 101-110.	2.1	144
6	The community effects of phenotypic and genetic variation within a predator population. Ecology, 2011, 92, 1582-1593.	1.5	140
7	Persistence in fluctuating environments. Journal of Mathematical Biology, 2011, 62, 655-683.	0.8	137
8	Crossing habitat boundaries: coupling dynamics of ecosystems through complex life cycles. Ecology Letters, 2008, 11, 576-587.	3.0	131
9	Invasion Dynamics in Spatially Heterogeneous Environments. American Naturalist, 2009, 174, 490-505.	1.0	89
10	Stochastic population growth in spatially heterogeneous environments. Journal of Mathematical Biology, 2013, 66, 423-476.	0.8	85
11	Criteria for Cr Robust Permanence. Journal of Differential Equations, 2000, 162, 400-426.	1.1	81
12	Evolution in a Community Context: Trait Responses to Multiple Species Interactions. American Naturalist, 2018, 191, 368-380.	1.0	81
13	Interactive effects of temporal correlations, spatial heterogeneity and dispersal on population persistence. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 1907-1914.	1.2	71
14	Consequences of intraspecific variation in seed dispersal for plant demography, communities, evolution and global change. AoB PLANTS, 2019, 11, plz016.	1.2	71
15	Urn Models, Replicator Processes, and Random Genetic Drift. SIAM Journal on Applied Mathematics, 2001, 61, 2148-2167.	0.8	69
16	On the Evolution of Dispersal in Patchy Landscapes. SIAM Journal on Applied Mathematics, 2006, 66, 1366-1382.	0.8	69
17	Temporally variable dispersal and demography can accelerate the spread of invading species. Theoretical Population Biology, 2012, 82, 283-298.	0.5	62
18	Persistence for stochastic difference equations: a mini-review. Journal of Difference Equations and Applications, 2012, 18, 1381-1403.	0.7	62

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19	Persistence of structured populations in random environments. Theoretical Population Biology, 2009, 76, 19-34.	0.5	60
20	Spatial heterogeneity promotes coexistence of rockâ€“paperâ€“scissors metacommunities. Theoretical Population Biology, 2013, 86, 1-11.	0.5	53
21	Constraints on the use of lifespan-shortening Wolbachia to control dengue fever. Journal of Theoretical Biology, 2012, 297, 26-32.	0.8	52
22	Multiple scales of selection influence the evolutionary emergence of novel pathogens. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120333.	1.8	52
23	Protected polymorphisms and evolutionary stability of patch-selection strategies in stochastic environments. Journal of Mathematical Biology, 2015, 71, 325-359.	0.8	52
24	The Evolution of Patch Selection in Stochastic Environments. American Naturalist, 2012, 180, 17-34.	1.0	48
25	When rarity has costs: coexistence under positive frequencyâ€dependence and environmental stochasticity. Ecology, 2019, 100, e02664.	1.5	47
26	Persistence and extinction for stochastic ecological models with internal and external variables. Journal of Mathematical Biology, 2019, 79, 393-431.	0.8	46
27	Metapopulation Dynamics on Ephemeral Patches. American Naturalist, 2015, 185, 183-195.	1.0	45
28	The evolution of resource use. Journal of Mathematical Biology, 2003, 47, 56-78.	0.8	38
29	Generalized URN models of evolutionary processes. Annals of Applied Probability, 2004, 14, .	0.6	37
30	Preemption of space can lead to intransitive coexistence of competitors. Oikos, 2010, 119, 1201-1209.	1.2	33
31	Evolutionarily Driven Shifts in Communities with Intraguild Predation. American Naturalist, 2015, 186, E98-E110.	1.0	33
32	Persistence despite perturbations for interacting populations. Journal of Theoretical Biology, 2006, 242, 844-852.	0.8	32
33	Advancing an interdisciplinary framework to study seed dispersal ecology. AoB PLANTS, 2020, 12, plz048.	1.2	30
34	From simple rules to cycling in community assembly. Oikos, 2004, 105, 349-358.	1.2	29
35	Invasion speeds for structured populations in fluctuating environments. Theoretical Ecology, 2011, 4, 423-434.	0.4	28
36	Robust permanence for interacting structured populations. Journal of Differential Equations, 2010, 248, 1955-1971.	1.1	27

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37	Generalist and specialist predators that mediate permanence in ecological communities. Journal of Mathematical Biology, 1997, 36, 133-148.	0.8	26
38	Parental Optimism versus Parental Pessimism in Plants: How Common Should We Expect Pollen Limitation to Be?. American Naturalist, 2014, 184, 75-90.	1.0	26
39	Coevolution of Contrary Choices in Hostâ€Parasitoid Systems. American Naturalist, 2000, 155, 637-648.	1.0	25
40	Handling time promotes the coevolution of aggregation in predatorâ€"prey systems. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 185-191.	1.2	25
41	Quasi-stationary distributions for randomly perturbed dynamical systems. Annals of Applied Probability, 2014, 24, .	0.6	25
42	Partitioning the Effects of Eco-Evolutionary Feedbacks on Community Stability. American Naturalist, 2018, 191, 381-394.	1.0	25
43	Persistence in fluctuating environments for interacting structured populations. Journal of Mathematical Biology, 2014, 69, 1267-1317.	0.8	24
44	Evolution as a Coexistence Mechanism: Does Genetic Architecture Matter?. American Naturalist, 2018, 191, 407-420.	1.0	24
45	Coexistence for species sharing a predator. Journal of Differential Equations, 2004, 196, 209-225.	1.1	22
46	Pushed beyond the brink: Allee effects, environmental stochasticity, and extinction. Journal of Biological Dynamics, 2014, 8, 187-205.	0.8	22
47	Evolutionary and Ecological Consequences of Multiscale Variation in Pollen Receipt for Seed Production. American Naturalist, 2015, 185, E14-E29.	1.0	21
48	Unifying Within- and Between-Generation Bet-Hedging Theories: An Ode to J. H. Gillespie. American Naturalist, 2015, 186, 792-796.	1.0	21
49	Kolmogorov Vector Fields with Robustly Permanent Subsystems. Journal of Mathematical Analysis and Applications, 2002, 267, 329-337.	0.5	18
50	Replacing Sources with Sinks: When Do Populations Go Down the Drain?. Restoration Ecology, 2005, 13, 529-535.	1.4	18
51	Host-parasitoid dynamics of a generalized Thompson model. Journal of Mathematical Biology, 2006, 52, 719-732.	0.8	18
52	To persist or not to persist?. Nonlinearity, 2004, 17, 1393-1406.	0.6	17
53	Does an â€˜oversupplyâ€™ of ovules cause pollen limitation?. New Phytologist, 2016, 210, 324-332.	3.5	17
54	Restoration of eastern oyster populations with positive density dependence. Ecological Applications, 2018, 28, 897-909.	1.8	17

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55	Technical Comment on Pande <i>et al</i>. (2020): Why invasion analysis is important for understanding coexistence. Ecology Letters, 2020, 23, 1721-1724.	3.0	17
56	Positively and Negatively Autocorrelated Environmental Fluctuations Have Opposing Effects on Species Coexistence. American Naturalist, 2021, 197, 405-414.	1.0	17
57	Evolution of natal dispersal in spatially heterogenous environments. Mathematical Biosciences, 2017, 283, 136-144.	0.9	16
58	Destabilizing evolutionary and eco-evolutionary feedbacks drive empirical eco-evolutionary cycles. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192298.	1.2	16
59	Sink habitats can alter ecological outcomes for competing species. Journal of Animal Ecology, 2005, 74, 995-1004.	1.3	15
60	Dancing between the devil and deep blue sea: the stabilizing effect of enemy-free and victimless sinks. Oikos, 2006, 113, 67-81.	1.2	14
61	On dispersal and population growth for multistate matrix models. Linear Algebra and Its Applications, 2006, 418, 900-912.	0.4	13
62	Evolution of Predator and Prey Movement into Sink Habitats. American Naturalist, 2009, 174, 68-81.	1.0	13
63	Multiple Attractors and Long Transients in Spatially Structured Populations with an Allee Effect. Bulletin of Mathematical Biology, 2020, 82, 82.	0.9	13
64	Cross-scale dynamics and the evolutionary emergence of infectious diseases. Virus Evolution, 2021, 7, .	2.2	13
65	Robust permanence for ecological equations with internal and external feedbacks. Journal of Mathematical Biology, 2018, 77, 79-105.	0.8	12
66	A classification of the dynamics of three-dimensional stochastic ecological systems. Annals of Applied Probability, 2022, 32, .	0.6	12
67	The demographic consequences of growing older and bigger in oyster populations. Ecological Applications, 2016, 26, 2206-2217.	1.8	11
68	Is Evolution in Response to Extreme Events Good for Population Persistence?. American Naturalist, 2021, 198, 44-52.	1.0	11
69	Host-limited Dynamics of Autoparasitoids. Journal of Theoretical Biology, 2001, 212, 141-153.	0.8	10
70	On Allee effects in structured populations. Proceedings of the American Mathematical Society, 2004, 132, 3047-3053.	0.4	10
71	Robust Permanence for Ecological Maps. SIAM Journal on Mathematical Analysis, 2017, 49, 3527-3549.	0.9	10
72	Individual variation in dispersal and fecundity increases rates of spatial spread. AoB PLANTS, 2020, 12, plaa001.	1.2	9

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73	EVOLUTIONARILY INDUCED ALTERNATIVE STATES AND COEXISTENCE IN SYSTEMS WITH APPARENT COMPETITION. Natural Resource Modelling, 2015, 28, 475-496.	0.8	8
74	Evolution of unconditional dispersal in periodic environments. Journal of Biological Dynamics, 2011, 5, 120-134.	0.8	7
75	Modest Pollen Limitation of Lifetime Seed Production Is in Good Agreement with Modest Uncertainty in Whole-Plant Pollen Receipt: (A Reply to Burd). American Naturalist, 2016, 187, 397-404.	1.0	7
76	Coexistence in the Face of Uncertainty. Fields Institute Communications, 2017, , 349-384.	0.6	7
77	Predicting evolutionarily stable strategies from functional responses of Sonoran Desert annuals to precipitation. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182613.	1.2	7
78	Mast seeding promotes evolution of scatter-hoarding. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200375.	1.8	7
79	The structured demography of open populations in fluctuating environments. Methods in Ecology and Evolution, 2018, 9, 1569-1580.	2.2	6
80	On persistence and extinction for randomly perturbed dynamical systems. Discrete and Continuous Dynamical Systems - Series B, 2007, 7, 457-463.	0.5	6
81	Extinction and Quasi-Stationarity for Discrete-Time, Endemic SIS and SIR Models. SIAM Journal on Applied Mathematics, 2021, 81, 2195-2217.	0.8	6
82	Pathways to the densityâ€dependent expression of cannibalism, and consequences for regulated population dynamics. Ecology, 2022, 103, .	1.5	6
83	Individualâ€based integral projection models: the role of sizeâ€structure on extinction risk and establishment success. Methods in Ecology and Evolution, 2016, 7, 867-874.	2.2	5
84	When do factors promoting genetic diversity also promote population persistence? A demographic perspective on Gillespieâ€™s SAS-CFF model. Theoretical Population Biology, 2020, 133, 141-149.	0.5	4
85	Complex communityâ€wide consequences of consumer sexual dimorphism. Journal of Animal Ecology, 2022, 91, 958-969.	1.3	4
86	Temporally auto-correlated predator attacks structure ecological communities. Biology Letters, 2022, 18, .	1.0	4
87	Holt (1977) and apparent competition. Theoretical Population Biology, 2020, 133, 17-18.	0.5	3
88	The P^* rule in the stochastic Holt-Lawton model of apparent competition. Discrete and Continuous Dynamical Systems - Series B, 2021, 26, 633-644.	0.5	3
89	A Dynamical Trichotomy for Structured Populations Experiencing Positive Density-Dependence in Stochastic Environments. Springer Proceedings in Mathematics and Statistics, 2017, , 55-66.	0.1	3
90	Effects of size selection versus density dependence on life histories: A first experimental probe. Ecology Letters, 2021, 24, 1467-1473.	3.0	2

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91	Sick of eating: Ecoâ€evoâ€immuno dynamics of predators and their trophically acquired parasites. Evolution; International Journal of Organic Evolution, 2021, 75, 2842-2856.	1.1	2
92	Mathematical Dances with Wolves. Science, 2011, 334, 1214-1215.	6.0	1
93	Convergence of generalized urn models to non-equilibrium attractors. Stochastic Processes and Their Applications, 2015, 125, 3053-3074.	0.4	1