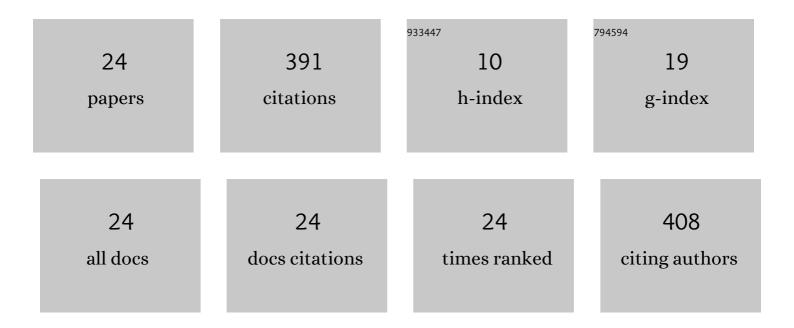
Ivo Siekmann

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	A type IV functional response with different shapes in a predator–prey model. Journal of Theoretical Biology, 2020, 505, 110419.	1.7	14
2	Taxis-driven pattern formation in a predator-prey model with group defense. Ecological Complexity, 2020, 43, 100848.	2.9	7
3	Data-Driven Modelling of the Inositol Trisphosphate ReceptorÂ(\$\$ext {IP}_3ext {R}\$\$) and its Role in Calcium-Induced Calcium ReleaseÂ(CICR). Springer Series in Computational Neuroscience, 2019, , 39-68.	0.3	2
4	Mathematical modelling indicates that lower activity of the haemostatic system in neonates is primarily due to lower prothrombin concentration. Scientific Reports, 2019, 9, 3936.	3.3	4
5	Invasive competition with Fokker-Planck diffusion and noise. Ecological Complexity, 2018, 34, 134-138.	2.9	1
6	An applied mathematician's perspective on Rosennean Complexity. Ecological Complexity, 2018, 35, 28-38.	2.9	8
7	Bond graph modelling of chemoelectrical energy transduction. IET Systems Biology, 2017, 11, 127-138.	1.5	18
8	Coexistence of competitors mediated by nonlinear noise. European Physical Journal: Special Topics, 2017, 226, 2157-2170.	2.6	3
9	Modelling modal gating of ion channels with hierarchical Markov models. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160122.	2.1	14
10	Fighting Enemies and Noise: Competition of Residents and Invaders in a Stochastically Fluctuating Environment. Mathematical Modelling of Natural Phenomena, 2016, 11, 137-157.	2.4	6
11	Examination of the Effects of Heterogeneous Organization of RyR Clusters, Myofibrils and Mitochondria on Ca2+ Release Patterns in Cardiomyocytes. PLoS Computational Biology, 2015, 11, e1004417.	3.2	46
12	Bifurcation analysis of individual-based models in population dynamics. Ecological Complexity, 2015, 21, 177-184.	2.9	4
13	Statistical analysis of modal gating in ion channels. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2014, 470, 20140030.	2.1	14
14	PyTrA: ultra-fast transient absorption data analysis software. International Journal of Nanotechnology, 2014, 11, 601.	0.2	0
15	On competition in ecology, epidemiology and eco-epidemiology. Ecological Complexity, 2013, 14, 166-179.	2.9	2
16	MCMC Can Detect Nonidentifiable Models. Biophysical Journal, 2012, 103, 2275-2286.	0.5	80
17	A Park/Drive Model for the Inositol-Trisphosphate Receptor (IPR). Biophysical Journal, 2012, 102, 110a.	0.5	0
18	A Kinetic Model for Type I and II IP3R Accounting for Mode Changes. Biophysical Journal, 2012, 103, 658-668.	0.5	59

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#	Article	IF	CITATIONS
19	MCMC Estimation of Markov Models for Ion Channels. Biophysical Journal, 2011, 100, 1919-1929.	0.5	54
20	On competition of predators and prey infection. Ecological Complexity, 2010, 7, 446-457.	2.9	19
21	Mathematical Models of Pattern Formation in Planktonic Predation-Diffusion Systems: A Review. , 2008, , 1-26.		1
22	Predation may defeat spatial spread of infection. Journal of Biological Dynamics, 2008, 2, 40-54.	1.7	6
23	Local Collapses in the Truscott-Brindley Model. Mathematical Modelling of Natural Phenomena, 2008, 3, 114-130.	2.4	7
24	An extension of the Beretta-Kuang model of viral diseases. Mathematical Biosciences and Engineering, 2008, 5, 549-565.	1.9	22