Odo Diekmann

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9429288/publications.pdf

Version: 2024-02-01

18	806	840776 11	752698 20
papers	citations	h-index	g-index

23	23	23	659
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical Bifurcation Analysis of Physiologically Structured Population Models via Pseudospectral Approximation. Vietnam Journal of Mathematics, 2021, 49, 37-67.	0.8	8
2	The discrete-time Kermackâ€“McKendrick model: A versatile and computationally attractive framework for modeling epidemics. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
3	One Dimensional Reduction of a Renewal Equation for a Measure-Valued Function of Time Describing Population Dynamics. Acta Applicandae Mathematicae, 2021, 175, 12.	1.0	3
4	On models of physiologically structured populations and their reduction to ordinary differential equations. Journal of Mathematical Biology, 2020, 80, 189-204.	1.9	11
5	The winner takes it all: how semelparous insects can become periodical. Journal of Mathematical Biology, 2020, 80, 283-301.	1.9	9
6	Finite dimensional state representation of physiologically structured populations. Journal of Mathematical Biology, 2020, 80, 205-273.	1.9	14
7	Should a viral genome stay in the host cell or leave? A quantitative dynamics study of how hepatitis C virus deals with this dilemma. PLoS Biology, 2020, 18, e3000562.	5.6	9
8	Finite Dimensional State Representation of Linear and Nonlinear Delay Systems. Journal of Dynamics and Differential Equations, 2018, 30, 1439-1467.	1.9	17
9	Multiple coexistence equilibria in a two parasitoid-one host model. Theoretical Population Biology, 2017, 113, 34-46.	1.1	3
10	Structured populations with distributed recruitment: from PDE to delay formulation. Mathematical Methods in the Applied Sciences, 2016, 39, 5175-5191.	2.3	11
11	Can climate change lead to gap formation?. Ecological Complexity, 2014, 20, 264-270.	2.9	37
12	Delay equation formulation of a cyclin-structured cell population model. Journal of Evolution Equations, 2014, 14, 841-862.	1.1	6
13	Daphnia revisited: local stability and bifurcation theory for physiologically structured population models explained by way of an example. Journal of Mathematical Biology, 2010, 61, 277-318.	1.9	73
14	On a boom and bust year class cycle. Journal of Difference Equations and Applications, 2005, 11, 327-335.	1.1	19
15	The dynamics of adaptation: An illuminating example and a Hamiltonâ€“Jacobi approach. Theoretical Population Biology, 2005, 67, 257-271.	1.1	162
16	LACK OF UNIQUENESS IN TRANSPORT EQUATIONS WITH A NONLOCAL NONLINEARITY. Mathematical Models and Methods in Applied Sciences, 2000, 10, 581-591.	3.3	18
17	Modelling the Spread of Phocine Distemper Virus among Harbour Seals. Bulletin of Mathematical Biology, 1998, 60, 585-596.	1.9	23
18	On the formulation and analysis of general deterministic structured population models. Journal of Mathematical Biology, 1998, 36, 349-388.	1.9	146