

Jordi Ripoll

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

240
citations

1039880

9
h-index

996849

15
g-index

22
all docs

22
docs citations

22
times ranked

173
citing authors

#	ARTICLE	IF	CITATIONS
1	On the basic reproduction number in continuously structured populations. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 799-812.	1.2	10
2	Efficient numerical computation of the basic reproduction number for structured populations. <i>Journal of Computational and Applied Mathematics</i> , 2021, 384, 113165.	1.1	32
3	Reproduction number for an age of infection structured model. <i>Mathematical Modelling of Natural Phenomena</i> , 2021, 16, 42.	0.9	6
4	Collocation of Next-Generation Operators for Computing the Basic Reproduction Number of Structured Populations. <i>Journal of Scientific Computing</i> , 2020, 85, 40.	1.1	13
5	A practical approach to R_0 in continuous-time ecological models. <i>Mathematical Methods in the Applied Sciences</i> , 2018, 41, 8432-8445.	1.2	23
6	An Age-Structured Population Approach for the Mathematical Modeling of Urban Burglaries. <i>SIAM Journal on Applied Dynamical Systems</i> , 2018, 17, 2733-2760.	0.7	6
7	On the Reproduction Number of a Gut Microbiota Model. <i>Bulletin of Mathematical Biology</i> , 2017, 79, 2727-2746.	0.9	9
8	Use of wiris quizzes in an online calculus course. <i>Journal of Technology and Science Education</i> , 2017, 7, 221.	0.5	3
9	Impact of density-dependent migration flows on epidemic outbreaks in heterogeneous metapopulations. <i>Physical Review E</i> , 2015, 92, 022809.	0.8	1
10	Density-Dependent Diffusion and Epidemics on Heterogeneous Metapopulations. <i>Trends in Mathematics</i> , 2015, , 143-148.	0.1	0
11	Epidemic and cascading survivability of complex networks. , 2014, , .		6
12	Spread of epidemic-like failures in telecommunication networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 410, 457-469.	1.2	7
13	Outbreak analysis of an SIS epidemic model with rewiring. <i>Journal of Mathematical Biology</i> , 2013, 67, 411-432.	0.8	24
14	Two-sex age structured dynamics in a fixed sex-ratio population. <i>Nonlinear Analysis: Real World Applications</i> , 2012, 13, 2562-2577.	0.9	7
15	OPTIMAL LATENT PERIOD IN A BACTERIOPHAGE POPULATION MODEL STRUCTURED BY INFECTION-AGE. <i>Mathematical Models and Methods in Applied Sciences</i> , 2011, 21, 693-718.	1.7	15
16	Evolution of age-dependent sex-reversal under adaptive dynamics. <i>Journal of Mathematical Biology</i> , 2010, 60, 161-188.	0.8	5
17	A multiple failure propagation model in GMPLS-based networks. <i>IEEE Network</i> , 2010, 24, 17-22.	4.9	13
18	Analysis and Monte Carlo simulations of a model for the spread of infectious diseases in heterogeneous metapopulations. <i>Physical Review E</i> , 2009, 80, 041920.	0.8	30

#	ARTICLE	IF	CITATIONS
19	Monte Carlo Simulations of a SIS-Diffusion Model in Heterogeneous Metapopulations. , 2009, , .		0
20	A general structured model for a sequential hermaphrodite population. Mathematical Biosciences, 2007, 208, 393-418.	0.9	6
21	Evolutionarily stable transition rates in a stage-structured model. An application to the analysis of size distributions of badges of social status. Mathematical Biosciences, 2004, 190, 145-181.	0.9	11
22	Hopf bifurcation in a structured population model for the sexual phase of monogonont rotifers. Journal of Mathematical Biology, 2002, 45, 22-36.	0.8	13