

# Rafael Bravo de la Parra

## List of Publications by Year in descending order

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66  
papers

1,165  
citations

331670

21  
h-index

434195

31  
g-index

68  
all docs

68  
docs citations

68  
times ranked

561  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discrete epidemic models with two time scales. <i>Advances in Difference Equations</i> , 2021, 2021, 478.	3.5	3
2	Stochastic matrix metapopulation models with fast migration: Re-scaling survival to the fast scale. <i>Ecological Modelling</i> , 2020, 418, 108829.	2.5	1
3	A discrete model of competing species sharing a parasite. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2020, 25, 2121-2142.	0.9	0
4	Non-linear population discrete models with two time scales: re-scaling of part of the slow process. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	2
5	Modelling the role of opportunistic diseases in coinfection. <i>Mathematical Modelling of Natural Phenomena</i> , 2018, 13, 28.	2.4	2
6	A Discrete Predator-Prey Ecoepidemic Model. <i>Mathematical Modelling of Natural Phenomena</i> , 2017, 12, 116-132.	2.4	8
7	Discrete Models of Disease and Competition. <i>Discrete Dynamics in Nature and Society</i> , 2017, 2017, 1-13.	0.9	5
8	Fast Dispersal in Semelparous Populations. <i>Mathematical Modelling of Natural Phenomena</i> , 2016, 11, 120-134.	2.4	6
9	A Time Scales Approach to Coinfection by Opportunistic Diseases. <i>Journal of Applied Mathematics</i> , 2015, 2015, 1-10.	0.9	5
10	Coexistence and superior competitor exclusion in the Leslie-Gower competition model with fast dispersal. <i>Ecological Modelling</i> , 2015, 306, 247-256.	2.5	9
11	A simple geometrical condition for the existence of periodic solutions of planar periodic systems. Applications to some biological models. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 423, 1469-1479.	1.0	2
12	Mathematical analysis of a population model with an age-weight structured two-stage life history: asymptotic behavior of solutions. <i>Journal of Evolution Equations</i> , 2014, 14, 603.	1.1	2
13	Reduction of Nonautonomous Population Dynamics Models with Two Time Scales. <i>Acta Biotheoretica</i> , 2014, 62, 285-303.	1.5	0
14	Stand dynamics and tree coexistence in an analytical structured model: The role of recruitment. <i>Journal of Theoretical Biology</i> , 2013, 333, 91-101.	1.7	7
15	A density-dependent model describing age-structured population dynamics using hawk-dove tactics. <i>Journal of Difference Equations and Applications</i> , 2013, 19, 1022-1034.	1.1	13
16	Reduction of slow-fast asymptotically autonomous systems with applications to gradostat models. <i>Ecological Complexity</i> , 2013, 14, 75-84.	2.9	2
17	Reduction of Discrete Dynamical Systems with Applications to Dynamics Population Models. <i>Mathematical Modelling of Natural Phenomena</i> , 2013, 8, 107-129.	2.4	14
18	REDUCTION OF SLOW-FAST PERIODIC SYSTEMS WITH APPLICATIONS TO POPULATION DYNAMICS MODELS. <i>Mathematical Models and Methods in Applied Sciences</i> , 2012, 22, .	3.3	10

#	ARTICLE	IF	CITATIONS
19	Approximate aggregation of a two time scales periodic multi-strain SIS epidemic model: A patchy environment with fast migrations. <i>Ecological Complexity</i> , 2012, 10, 34-41.	2.9	11
20	Reproductive Numbers for Nonautonomous Spatially Distributed Periodic SIS Models Acting on Two Time Scales. <i>Acta Biotheoretica</i> , 2012, 60, 139-154.	1.5	2
21	Approximate aggregation of linear discrete models with two time scales: re-scaling slow processes to the fast scale. <i>Journal of Difference Equations and Applications</i> , 2011, 17, 621-635.	1.1	5
22	Effects of density dependent sex allocation on the dynamics of a simultaneous hermaphroditic population: Modelling and analysis. <i>Journal of Theoretical Biology</i> , 2010, 263, 521-529.	1.7	5
23	Competition and species coexistence in a metapopulation model: Can fast asymmetric migration reverse the outcome of competition in a homogeneous environment?. <i>Journal of Theoretical Biology</i> , 2010, 266, 256-263.	1.7	16
24	Land use change in a Mediterranean metropolitan region and its periphery: assessment of conservation policies through CORINE Land Cover data and Markov models. <i>Forest Systems</i> , 2010, 19, 315.	0.3	33
25	Mathematical study of a bacteria-fish model with level of infection structure. <i>Nonlinear Analysis: Real World Applications</i> , 2009, 10, 1662-1678.	1.7	7
26	Reduction of slow-fast discrete models coupling migration and demography. <i>Journal of Theoretical Biology</i> , 2009, 258, 371-379.	1.7	11
27	Aggregation methods in dynamical systems and applications in population and community dynamics. <i>Physics of Life Reviews</i> , 2008, 5, 79-105.	2.8	74
28	Approximate reduction of non-linear discrete models with two time scales. <i>Journal of Difference Equations and Applications</i> , 2008, 14, 607-627.	1.1	18
29	Aggregation of Variables and Applications to Population Dynamics. <i>Lecture Notes in Mathematics</i> , 2008, , 209-263.	0.2	62
30	STATE-DEPENDENT DELAYS ASSOCIATED TO THRESHOLD PHENOMENA IN STRUCTURED POPULATION DYNAMICS. <i>Mathematical Models and Methods in Applied Sciences</i> , 2007, 17, 877-900.	3.3	10
31	Approximate reduction of multiregional models with environmental stochasticity. <i>Mathematical Biosciences</i> , 2007, 206, 134-154.	1.9	12
32	Effects of density-dependent migrations on stability of a two-patch predator-prey model. <i>Mathematical Biosciences</i> , 2007, 210, 335-354.	1.9	44
33	An analytical model of stand dynamics as a function of tree growth, mortality and recruitment: The shade tolerance-stand structure hypothesis revisited. <i>Journal of Theoretical Biology</i> , 2007, 244, 440-450.	1.7	42
34	Time scales in linear delayed differential equations. <i>Journal of Mathematical Analysis and Applications</i> , 2006, 323, 680-699.	1.0	11
35	Bifurcation analysis of a predator-prey model with predators using hawk and dove tactics. <i>Journal of Theoretical Biology</i> , 2006, 238, 597-607.	1.7	28
36	A mechanistic model of tree competition and facilitation for Mediterranean forests: Scaling from leaf physiology to stand dynamics. <i>Ecological Modelling</i> , 2005, 188, 76-92.	2.5	39

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37	Process-based models of Mediterranean forest production and dynamics. <i>Investigacion Agraria Sistemas Y Recursos Forestales</i> , 2005, 14, 482.	0.4	0
38	Migration Frequency and the Persistence of Host-Parasitoid Interactions. <i>Journal of Theoretical Biology</i> , 2003, 221, 639-654.	1.7	24
39	APPROXIMATE REDUCTION OF MULTI-TYPE GALTON-WATSON PROCESSES WITH TWO TIME SCALES. <i>Mathematical Models and Methods in Applied Sciences</i> , 2003, 13, 491-525.	3.3	10
40	A predator-prey model with predators using hawk and dove tactics. <i>Mathematical Biosciences</i> , 2002, 177-178, 185-200.	1.9	26
41	Dynamics of a fishery on two fishing zones with fish stock dependent migrations: aggregation and control. <i>Ecological Modelling</i> , 2002, 158, 51-62.	2.5	34
42	Approximate reduction of multiregional birth-death models with fast migration. <i>Mathematical and Computer Modelling</i> , 2002, 36, 47-65.	2.0	3
43	Linear discrete population models with two time scales in fast changing environments II: non-autonomous case. <i>Acta Biotheoretica</i> , 2002, 50, 15-38.	1.5	5
44	The reliability of approximate reduction techniques in population models with two time scales. <i>Acta Biotheoretica</i> , 2002, 50, 297-322.	1.5	7
45	Linear discrete population models with two time scales in fast changing environments I: autonomous case. <i>Acta Biotheoretica</i> , 2001, 49, 261-276.	1.5	10
46	TIME SCALES IN A NON-AUTONOMOUS LINEAR DISCRETE MODEL. <i>Mathematical Models and Methods in Applied Sciences</i> , 2001, 11, 1203-1235.	3.3	13
47	BEHAVIORAL DYNAMICS OF TWO INTERACTING HAWK-DOVE POPULATIONS. <i>Mathematical Models and Methods in Applied Sciences</i> , 2001, 11, 645-661.	3.3	11
48	Time scales in stochastic multiregional models. <i>Nonlinear Analysis: Real World Applications</i> , 2000, 1, 89-122.	1.7	22
49	A model for an age-structured population with two time scales. <i>Mathematical and Computer Modelling</i> , 2000, 31, 17-26.	2.0	20
50	Annual spawning migrations in modelling brown trout population dynamics inside an arborescent river network. <i>Ecological Modelling</i> , 2000, 133, 15-31.	2.5	40
51	The impact of behavioral plasticity at individual level on domestic cat population dynamics. <i>Ecological Modelling</i> , 2000, 133, 117-124.	2.5	17
52	Methods of aggregation of variables in population dynamics. <i>Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie</i> , 2000, 323, 665-674.	0.8	45
53	A Singular Perturbation in an Age-Structured Population Model. <i>SIAM Journal on Applied Mathematics</i> , 2000, 60, 408-436.	1.8	15
54	A discrete model with density dependent fast migration. <i>Mathematical Biosciences</i> , 1999, 157, 91-109.	1.9	30

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55	Variables aggregation in a time discrete linear model. <i>Mathematical Biosciences</i> , 1999, 157, 111-146.	1.9	33
56	Variables Aggregation in Time Varying Discrete Systems. <i>Acta Biotheoretica</i> , 1998, 46, 273-297.	1.5	18
57	Title is missing!. <i>Acta Biotheoretica</i> , 1998, 46, 223-234.	1.5	26
58	Aggregation methods in population dynamics discrete models. <i>Mathematical and Computer Modelling</i> , 1998, 27, 23-39.	2.0	25
59	Hawk-dove game and competition dynamics. <i>Mathematical and Computer Modelling</i> , 1998, 27, 89-98.	2.0	22
60	A model of an age-structured population in a multipatch environment. <i>Mathematical and Computer Modelling</i> , 1998, 27, 137-150.	2.0	12
61	A density dependent model describing <i>Salmo trutta</i> population dynamics in an arborescent river network. Effects of dams and channelling. <i>Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie</i> , 1998, 321, 979-990.	0.8	14
62	A mathematical model of growth of population of fish in the larval stage: Density-dependence effects. <i>Mathematical Biosciences</i> , 1998, 150, 1-20.	1.9	43
63	Time Scales in Density Dependent Discrete Models. <i>Journal of Biological Systems</i> , 1997, 05, 111-129.	1.4	29
64	Influence of individual aggressiveness on the dynamics of competitive populations. <i>Acta Biotheoretica</i> , 1997, 45, 321-333.	1.5	13
65	Linear discrete models with different time scales. <i>Acta Biotheoretica</i> , 1995, 43, 465-476.	1.5	37
66	AGGREGATION METHODS IN DISCRETE MODELS. <i>Journal of Biological Systems</i> , 1995, 03, 603-612.	1.4	38