Carlota Rebel

List of Publications by Year
in descending order

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33 papers	604 citations	623734 14 h-index	610901 24 g-index
34 all docs	34 docs citations	34 times ranked	540 citing authors

#	Article	IF	Citations
1	Drug resistance in tuberculosisâ€"a reinfection model. Theoretical Population Biology, 2007, 71, 196-212.	1.1	71
2	A Missing Dimension in Measures of Vaccination Impacts. PLoS Pathogens, 2014, 10, e1003849.	4.7	54
3	A note on the PoincarÃ©â€"Birkhoff fixed point theorem and periodic solutions of planar systems. Nonlinear Analysis: Theory, Methods & Applications, 1997, 29, 291-311.	1.1	50
4	How host heterogeneity governs tuberculosis reinfection?. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2473-2478.	2.6	48
5	Multiplicity results for periodic solutions of second order ODEs with asymmetric nonlinearities. Transactions of the American Mathematical Society, 1996, 348, 2349-2389.	0.9	47
6	Persistence in seasonally forced epidemiological models. Journal of Mathematical Biology, 2012, 64, 933-949.	1.9	46
7	Maslov index, PoincarÃ©â€"Birkhoff Theorem and Periodic Solutions of Asymptotically Linear Planar Hamiltonian Systems. Journal of Differential Equations, 2002, 183, 342-367.	2.2	42
8	Dynamical behaviour of epidemiological models with sub-optimal immunity and nonlinear incidence. Journal of Mathematical Biology, 2005, 51, 414-430.	1.9	36
9	Heterogeneity in susceptibility to infection can explain high reinfection rates. Journal of Theoretical Biology, 2009, 259, 280-290.	1.7	31
10	CONTINUATION THEOREMS FOR AMBROSETTI-PRODI TYPE PERIODIC PROBLEMS. Communications in Contemporary Mathematics, 2000, 02, 87-126.	1.2	24
11	Chaos in periodically perturbed planar Hamiltonian systems using linked twist maps. Journal of Differential Equations, 2010, 249, 3233-3257.	2.2	24
12	Persistence in seasonally varying predatorâ€"prey systems via the basic reproduction number. Nonlinear Analysis: Real World Applications, 2016, 30, 73-98.	1.7	18
13	On the use of Morse index and rotation numbers for multiplicity results of resonant BVPs. Journal of Mathematical Analysis and Applications, 2014, 413, 660-667.	1.0	16
14	Coexistence in seasonally varying predatorâ€"prey systems with Allee effect. Nonlinear Analysis: Real World Applications, 2020, 55, 103140.	1.7	16
15	Persistence in some periodic epidemic models with infection age or constant periods of infection. Discrete and Continuous Dynamical Systems - Series B, 2014, 19, 1155-1170.	0.9	9
16	Some examples of persistence in epidemiological models. Journal of Mathematical Biology, 2003, 46, 564-570.	1.9	8
17	Dynamics of Kepler problem with linear drag. Celestial Mechanics and Dynamical Astronomy, 2014, 120, 19-38.	1.4	8
18	Some analytical results about periodic orbits in the restricted three body problem with dissipation. Celestial Mechanics and Dynamical Astronomy, 2012, 113, 279-290.	1.4	7

#	Article	IF	Citations
19	A theoretical framework to identify invariant thresholds in infectious disease epidemiology. Journal of Theoretical Biology, 2016, 395, 97-102.	1.7	7
20	Multiplicity of solutions of Dirichlet problems associated with second-order equations in â„². Proceedings of the Edinburgh Mathematical Society, 2009, 52, 569-581.	0.3	6
21	A note on a modified version of the PoincarÃ©â€“Birkhoff theorem. Journal of Differential Equations, 2004, 203, 55-63.	2.2	4
22	Connected Branches of Initial Points for Asymptotic BVPs, With Application to Heteroclinic and Homoclinic Solutions. Advanced Nonlinear Studies, 2009, 9, 95-135.	1.7	4
23	Heterogeneity in disease risk induces falling vaccine protection with rising disease incidence. Dynamical Systems, 2017, 32, 148-163.	0.4	4
24	First integrals for the Kepler problem with linear drag. Celestial Mechanics and Dynamical Astronomy, 2017, 127, 35-48.	1.4	4
25	Periodic linear motions with multiple collisions in a forced Kepler type problem. Discrete and Continuous Dynamical Systems, 2018, 38, 3955-3975.	0.9	4
26	Complex Dynamics in Pendulum-Type Equations with Variable Length. Journal of Dynamics and Differential Equations, 2013, 25, 627-652.	1.9	3
27	On the correlation between variance in individual susceptibilities and infection prevalence in populations. Journal of Mathematical Biology, 2015, 71, 1643-1661.	1.9	3
28	Nonautonomous nonlinear ODEs: Nonresonance conditions and rotation numbers. Journal of Mathematical Analysis and Applications, 2019, 473, 490-509.	1.0	3
29	Stability and persistence in a compartment model of pulmonary tuberculosis. Nonlinear Analysis: Theory, Methods & Applications, 2002, 48, 617-636.	1.1	2
30	Extinction or coexistence in periodic Kolmogorov systems of competitive type. Discrete and Continuous Dynamical Systems, 2021, 41, 5743.	0.9	2
31	Multiplicity of solutions of asymptotically linear Dirichlet problems associated to second order equations in R^{2n+1}. Topological Methods in Nonlinear Analysis, 2015, 46, 1107.	0.2	2
32	Fixed points for planar maps with multiple twists, with application to nonlinear equations with indefinite weight. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20190385.	3.4	1
33	Travelling Waves in a SI Endemic Model. Journal of Dynamics and Differential Equations, 2018, 30, 1837-1854.	1.9	0