Carlota Rebel

List of Publications by Year
in descending order

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	Extinction or coexistence in periodic Kolmogorov systems of competitive type. Discrete and Continuous Dynamical Systems, 2021, 41, 5743.	0.9	2
2	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
3	Coexistence in seasonally varying predator–prey systems with Allee effect. Nonlinear Analysis: Real World Applications, 2020, 55, 103140.	1.7	16
4	Nonautonomous nonlinear ODEs: Nonresonance conditions and rotation numbers. Journal of Mathematical Analysis and Applications, 2019, 473, 490-509.	1.0	3
5	Travelling Waves in a SI Endemic Model. Journal of Dynamics and Differential Equations, 2018, 30, 1837-1854.	1.9	0
6	Periodic linear motions with multiple collisions in a forced Kepler type problem. Discrete and Continuous Dynamical Systems, 2018, 38, 3955-3975.	0.9	4
7	Heterogeneity in disease risk induces falling vaccine protection with rising disease incidence. Dynamical Systems, 2017, 32, 148-163.	0.4	4
8	First integrals for the Kepler problem with linear drag. Celestial Mechanics and Dynamical Astronomy, 2017, 127, 35-48.	1.4	4
9	Persistence in seasonally varying predator–prey systems via the basic reproduction number. Nonlinear Analysis: Real World Applications, 2016, 30, 73-98.	1.7	18
10	A theoretical framework to identify invariant thresholds in infectious disease epidemiology. Journal of Theoretical Biology, 2016, 395, 97-102.	1.7	7
11	On the correlation between variance in individual susceptibilities and infection prevalence in populations. Journal of Mathematical Biology, 2015, 71, 1643-1661.	1.9	3
12	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
13	A Missing Dimension in Measures of Vaccination Impacts. PLoS Pathogens, 2014, 10, e1003849.	4.7	54
14	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
15	Dynamics of Kepler problem with linear drag. Celestial Mechanics and Dynamical Astronomy, 2014, 120, 19-38.	1.4	8
16	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
17	Complex Dynamics in Pendulum-Type Equations with Variable Length. Journal of Dynamics and Differential Equations, 2013, 25, 627-652.	1.9	3
18	How host heterogeneity governs tuberculosis reinfection?. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2473-2478.	2.6	48

#	Article	IF	Citations
19	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
20	Persistence in seasonally forced epidemiological models. Journal of Mathematical Biology, 2012, 64, 933-949.	1.9	46
21	Chaos in periodically perturbed planar Hamiltonian systems using linked twist maps. Journal of Differential Equations, 2010, 249, 3233-3257.	2.2	24
22	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
23	Heterogeneity in susceptibility to infection can explain high reinfection rates. Journal of Theoretical Biology, 2009, 259, 280-290.	1.7	31
24	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
25	Drug resistance in tuberculosisâ€"a reinfection model. Theoretical Population Biology, 2007, 71, 196-212.	1.1	71
26	Dynamical behaviour of epidemiological models with sub-optimal immunity and nonlinear incidence. Journal of Mathematical Biology, 2005, 51, 414-430.	1.9	36
27	A note on a modified version of the PoincarÃ©â€"Birkhoff theorem. Journal of Differential Equations, 2004, 203, 55-63.	2.2	4
28	Some examples of persistence in epidemiological models. Journal of Mathematical Biology, 2003, 46, 564-570.	1.9	8
29	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
30	Stability and persistence in a compartment model of pulmonary tuberculosis. Nonlinear Analysis: Theory, Methods & Applications, 2002, 48, 617-636.	1.1	2
31	CONTINUATION THEOREMS FOR AMBROSETTI-PRODI TYPE PERIODIC PROBLEMS. Communications in Contemporary Mathematics, 2000, 02, 87-126.	1.2	24
32	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
33	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