Carlos Ramos

List of Publications by Year
in descending order

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44 papers	87 citations	1937685 4 h-index	1720034 7 g-index
44 all docs	44 docs citations	44 times ranked	40 citing authors

#	Article	IF	Citations
1	Cuntzâ€“Krieger algebras representations from orbits of interval maps. Journal of Mathematical Analysis and Applications, 2008, 341, 825-833.	1.0	11
2	Interval maps from Cuntzâ€“Krieger algebras. Journal of Mathematical Analysis and Applications, 2011, 374, 347-354.	1.0	8
3	Optimal homotopy analysis of a chaotic HIV-1 model incorporating AIDS-related cancer cells. Numerical Algorithms, 2018, 77, 261-288.	1.9	8
4	Noncommutative topological dynamics. Chaos, Solitons and Fractals, 2006, 27, 15-23.	5.1	7
5	The evolution and distribution of the periodic critical values of iterated differentiable functions. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 6343-6359.	1.1	4
6	On the Iteration of Smooth Maps. , 2010, , .		4
7	Orbit equivalence and von Neumann algebras for expansive interval maps. Chaos, Solitons and Fractals, 2007, 33, 109-117.	5.1	3
8	Conditions for the formation of clusters depending on the conductance and the coefficient of clustering. , 2009, , .		3
9	Orbit representations from matrices. Linear Algebra and Its Applications, 2014, 453, 44-58.	0.9	3
10	Orbit Representations and Circle Maps. , 2008, , 417-427.		3
11	Interval maps associated to the cellular automaton rule 184. Chaos, Solitons and Fractals, 2009, 41, 1501-1509.	5.1	2
12	Conductance in discrete dynamical systems. Nonlinear Dynamics, 2010, 61, 435-442.	5.2	2
13	Dynamics on certain sets of stochastic matrices. Nonlinear Dynamics, 2011, 65, 301-310.	5.2	2
14	Iteration of Differentiable Functions underm-Modal Maps with Aperiodic Kneading Sequences. International Journal of Mathematics and Mathematical Sciences, 2012, 2012, 1-17.	0.7	2
15	ITERATION OF QUADRATIC MAPS ON MATRIX ALGEBRAS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250150.	1.7	2
16	Systoles in discrete dynamical systems. Journal of Geometry and Physics, 2013, 63, 129-139.	1.4	2
17	On C*-Algebras from Interval Maps. Complex Analysis and Operator Theory, 2013, 7, 221-235.	0.6	2
18	Transition matrices characterizing a certain totally discontinuous map of the interval. Journal of Mathematical Analysis and Applications, 2016, 444, 1274-1303.	1.0	2

#	Article	IF	Citations
19	On graph algebras from interval maps. Annals of Functional Analysis, 2019, 10, 203-217.	0.8	2
20	Kinematics in Biology: Symbolic Dynamics Approach. Mathematics, 2020, 8, 339.	2.2	2
21	Escape dynamics for interval maps. Discrete and Continuous Dynamical Systems, 2019, 39, 6240-6260.	0.9	2
22	A SYMBOLIC APPROACH TO NONLINEARLY PERTURBED HEAT EQUATION. International Journal of Pure and Applied Mathematics, 2016, 107, .	0.2	2
23	Kleinian Groups and Holomorphic Dynamics. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2003, 13, 1959-1967.	1.7	1
24	Finite dimensional representations of âˆ—-algebras arising from a quadratic map. Chaos, Solitons and Fractals, 2007, 34, 1202-1212.	5.1	1
25	Invariants for the topological characterization of the iteration of differentiable functions â€“ the bimodal case. European Physical Journal: Special Topics, 2013, 222, 285-301.	2.6	1
26	Toeplitz algebras arising from escape points of interval maps. Banach Journal of Mathematical Analysis, 2017, 11, 536-553.	0.8	1
27	Discrete Dynamical Systems: A Brief Survey. Journal of the Institute of Engineering, 2018, 14, 35-51.	0.3	1
28	Animal movement: symbolic dynamics and topological classification. Mathematical Biosciences and Engineering, 2019, 16, 5464-5489.	1.9	1
29	NONLINEARLY PERTURBED HEAT EQUATION. International Journal of Pure and Applied Mathematics, 2014, 92, .	0.2	1
30	Symbolic Dynamics Generated by a Hybrid Chaotic Systems. British Journal of Mathematics & Computer Science, 2016, 18, 1-12.	0.3	1
31	Asymptotic Behaviour in a Certain Nonlinearly Perturbed Heat Equation: Non Periodic Perturbation Case. Springer Proceedings in Mathematics and Statistics, 2018, , 581-593.	0.2	1
32	Conductance and Noncommutative Dynamical Systems. Nonlinear Dynamics, 2006, 44, 127-134.	5.2	0
33	Substitution systems associated with the dynamical system (?,Tf). ESAIM: Proceedings and Surveys, 2012, 36, 159-169.	0.4	0
34	Baumslag-Solitar group C*-algebras from interval maps. Banach Journal of Mathematical Analysis, 2014, 8, 138-147.	0.8	0
35	On the spectra of certain matrices and the iteration of quadratic maps. SeMA Journal, 2015, 67, 51-69.	2.0	0
36	Numerical semigroups and periodic orbits for Markov interval maps. Journal of Difference Equations and Applications, 0, , 1-13.	1.1	0

#	Article	IF	Citations
37	Markov invariant dynamics. Linear Algebra and Its Applications, 2021, 620, 268-296.	0.9	0
38	FOCK REPRESENTATIONS FOR A QUADRATIC COMMUTATION RELATION. , 2007, , .		0
39	CRITICAL GROUPS FOR ITERATED MAPS. , 2007, , .		0
40	Difference Equations on Matrix Algebras. , 2010, , .		0
41	Interval Maps and Cellular Automata. , 2010, , .		0
42	Orbit Representations from Linear mod 1 Transformations. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 2012, , .	0.5	0
43	The Dynamics of a Hybrid Chaotic System. Springer Proceedings in Mathematics and Statistics, 2020, , 669-680.	0.2	0
44	Dynamics of a Certain Nonlinearly Perturbed Heat Equation. Springer Proceedings in Mathematics and Statistics, 2020, , 653-668.	0.2	0