

Edson Denis Leonel

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150
papers

1,535
citations

22
h-index

30
g-index

157
ext. papers

1,608
ext. citations

2.8
avg, IF

5.02
L-index

#	Paper	IF	Citations
150	Fermi-Ulam accelerator model under scaling analysis. <i>Physical Review Letters</i> , 2004 , 93, 014101	7.4	85
149	A hybrid Fermi-Ulam-bouncer model. <i>Journal of Physics A</i> , 2005 , 38, 823-839		57
148	Suppressing Fermi acceleration in a driven elliptical billiard. <i>Physical Review Letters</i> , 2010 , 104, 224101	7.4	48
147	Fermi acceleration on the annular billiard. <i>Physical Review E</i> , 2006 , 73, 066229	2.4	46
146	Corrugated waveguide under scaling investigation. <i>Physical Review Letters</i> , 2007 , 98, 114102	7.4	43
145	Scaling investigation of Fermi acceleration on a dissipative bouncer model. <i>Physical Review E</i> , 2008 , 78, 056205	2.4	41
144	On the dynamical properties of a Fermi accelerator model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004 , 331, 435-447	3.3	40
143	Fermi acceleration on the annular billiard: a simplified version. <i>Journal of Physics A</i> , 2006 , 39, 3561-3573		37
142	Describing Fermi acceleration with a scaling approach: The Bouncer model revisited. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008 , 387, 1155-1160	3.3	36
141	Fermi acceleration and scaling properties of a time dependent oval billiard. <i>Chaos</i> , 2009 , 19, 033142	3.3	33
140	The presence and lack of Fermi acceleration in nonintegrable billiards. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007 , 40, F887-F893	2	32
139	A crisis in the dissipative Fermi accelerator model. <i>Journal of Physics A</i> , 2005 , 38, L425-L430		32
138	Stickiness in a bouncer model: A slowing mechanism for Fermi acceleration. <i>Physical Review E</i> , 2012 , 86, 036203	2.4	31
137	Scaling properties of the Fermi-Ulam accelerator model. <i>Brazilian Journal of Physics</i> , 2006 , 36, 700-707	1.2	30
136	Fermi acceleration and its suppression in a time-dependent Lorentz gas. <i>Physica D: Nonlinear Phenomena</i> , 2011 , 240, 389-396	3.3	27
135	Suppressing Fermi acceleration in a two-dimensional non-integrable time-dependent oval-shaped billiard with inelastic collisions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010 , 389, 1009-1020	3.3	26
134	Breaking down the Fermi acceleration with inelastic collisions. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007 , 40, F1077-F1083	2	26

133	Shrimp-shape domains in a dissipative kicked rotator. <i>Chaos</i> , 2011 , 21, 043122	3.3	25
132	Critical exponents for a transition from integrability to non-integrability via localization of invariant tori in the Hamiltonian system. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011 , 44, 302001	2	24
131	Chaotic properties of a time-modulated barrier. <i>Physical Review E</i> , 2004 , 70, 016214	2.4	24
130	Parameter space for a dissipative Fermi-Ulam model. <i>New Journal of Physics</i> , 2011 , 13, 123012	2.9	23
129	Finding critical exponents for two-dimensional Hamiltonian maps. <i>Physical Review E</i> , 2010 , 81, 046212	2.4	22
128	A family of crisis in a dissipative Fermi accelerator model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 364, 475-479	2.3	22
127	Escape and transport for an open bouncer: Stretched exponential decays. <i>Physica D: Nonlinear Phenomena</i> , 2012 , 241, 403-408	3.3	20
126	Effect of a frictional force on the Fermi-Ulam model. <i>Journal of Physics A</i> , 2006 , 39, 11399-11415		20
125	Dynamical properties of a dissipative hybrid Fermi-Ulam-bouncer model. <i>Chaos</i> , 2007 , 17, 013119	3.3	20
124	Dynamical properties of a particle in a classical time-dependent potential well. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003 , 323, 181-196	3.3	19
123	The role of extreme orbits in the global organization of periodic regions in parameter space for one dimensional maps. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 1610-1614	3.3	19
122	Escape of particles in a time-dependent potential well. <i>Physical Review E</i> , 2011 , 83, 066211	2.4	17
121	On the dynamical properties of an elliptical billiard with static boundary. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010 , 15, 1092-1102	3.7	17
120	Scaling properties for a classical particle in a time-dependent potential well. <i>Chaos</i> , 2005 , 15, 33701	3.3	17
119	Convergence towards asymptotic state in 1-D mappings: A scaling investigation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015 , 379, 1246-1250	2.3	15
118	Suppressing Fermi acceleration in two-dimensional driven billiards. <i>Physical Review E</i> , 2010 , 82, 016202	2.4	14
117	Dynamical properties of a particle in a time-dependent double-well potential. <i>Journal of Physics A</i> , 2004 , 37, 8949-8968		14
116	Crises in a dissipative bouncing ball model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015 , 379, 2830-2838	2.3	13

115	Boundary crisis and suppression of Fermi acceleration in a dissipative two-dimensional non-integrable time-dependent billiard. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 3016-3020	2.3	13
114	Dissipative area-preserving one-dimensional Fermi accelerator model. <i>Physical Review E</i> , 2006 , 73, 066223	2.3	13
113	Non-uniform drag force on the Fermi accelerator model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012 , 391, 5366-5374	3.3	12
112	Route to chaos and some properties in the boundary crisis of a generalized logistic mapping. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017 , 486, 674-680	3.3	11
111	Thermodynamics of a bouncer model: A simplified one-dimensional gas. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015 , 20, 159-173	3.7	11
110	Competition between suppression and production of Fermi acceleration. <i>Physical Review E</i> , 2010 , 81, 036216	2.4	11
109	A bouncing ball model with two nonlinearities: a prototype for Fermi acceleration. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008 , 41, 015104	2	11
108	RELAXATION AND TRANSIENTS IN A TIME-DEPENDENT LOGISTIC MAP. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002 , 12, 1667-1674	2	11
107	Scaling invariance for the escape of particles from a periodically corrugated waveguide. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 376, 421-425	2.3	10
106	Recurrence of particles in static and time varying oval billiards. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 376, 1669-1674	2.3	10
105	A peculiar Maxwell's Demon observed in a time-dependent stadium-like billiard. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012 , 391, 4756-4762	3.3	10
104	Characterization of multiple reflections and phase space properties for a periodically corrugated waveguide. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012 , 45, 265101	2	10
103	An investigation of the parameter space for a family of dissipative mappings. <i>Chaos</i> , 2019 , 29, 053114	3.3	9
102	Escape through a time-dependent hole in the doubling map. <i>Physical Review E</i> , 2014 , 89, 052913	2.4	9
101	Scaling invariance of the diffusion coefficient in a family of two-dimensional Hamiltonian mappings. <i>Physical Review E</i> , 2013 , 87, 062904	2.4	9
100	A simplified Fermi Accelerator Model under quadratic frictional force. <i>Brazilian Journal of Physics</i> , 2008 , 38, 58-61	1.2	9
99	The Feigenbaum's delta for a high dissipative bouncing ball model. <i>Brazilian Journal of Physics</i> , 2008 , 38, 62-64	1.2	9
98	Addendum to: "Convergence towards asymptotic state in 1-D mappings: A scaling investigation" [Phys. Lett. A 379 (2015) 1246]. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015 , 379, 1796-1798	2.3	8

97	A dynamical phase transition for a family of Hamiltonian mappings: A phenomenological investigation to obtain the critical exponents. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015 , 379, 1808-1815	2.3	8
96	Transport and dynamical properties for a bouncing ball model with regular and stochastic perturbations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015 , 20, 871-881	3.7	8
95	Squared sine logistic map. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016 , 463, 37-44	3.3	8
94	A theoretical characterization of scaling properties in a bouncing ball system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 404, 279-284	3.3	8
93	Statistical properties of a dissipative kicked system: Critical exponents and scaling invariance. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 376, 723-728	2.3	8
92	On the statistical and transport properties of a non-dissipative Fermi-Ulam model. <i>Chaos</i> , 2015 , 25, 103107	3.7	8
91	Relaxation to Fixed Points in the Logistic and Cubic Maps: Analytical and Numerical Investigation. <i>Entropy</i> , 2013 , 15, 4310-4318	2.8	8
90	Explaining the high number of infected people by dengue in Rio de Janeiro in 2008 using a susceptible-infective-recovered model. <i>Physical Review E</i> , 2011 , 83, 037101	2.4	8
89	Scaling properties of the regular dynamics for a dissipative bouncing ball model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007 , 386, 73-78	3.3	8
88	Transients in a time-dependent logistic map. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001 , 295, 280-284	3.3	8
87	Some dynamical properties of a classical dissipative bouncing ball model with two nonlinearities. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013 , 392, 1762-1769	3.3	7
86	Global ballistic acceleration in a bouncing-ball model. <i>Physical Review E</i> , 2015 , 92, 012905	2.4	7
85	Boundary crisis and transient in a dissipative relativistic standard map. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011 , 375, 3365-3369	2.3	7
84	Decay of energy and suppression of Fermi acceleration in a dissipative driven stadium-like billiard. <i>Chaos</i> , 2012 , 22, 026122	3.3	7
83	Separation of particles in time-dependent focusing billiards. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010 , 389, 5408-5415	3.3	7
82	A symmetry break in energy distribution and a biased random walk behavior causing unlimited diffusion in a two dimensional mapping. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 436, 909-915	3.3	6
81	Dynamics of a charged particle in a dissipative Fermi-Ulam model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015 , 20, 546-558	3.7	6
80	Separation of particles leading either to decay or unlimited growth of energy in a driven stadium-like billiard. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014 , 47, 365101	2	6

79	Escape beam statistics and dynamical properties for a periodically corrugated waveguide. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014 , 19, 842-850	3-7	6
78	Dynamical properties for the problem of a particle in an electric field of wave packet: Low velocity and relativistic approach. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 376, 3630-3637	2-3	6
77	Phase Transition in Dynamical Systems: Defining Classes of Universality for Two-Dimensional Hamiltonian Mappings via Critical Exponents. <i>Mathematical Problems in Engineering</i> , 2009 , 2009, 1-22	1-1	6
76	Scaling Properties of a Hybrid Fermi-Ulam-Bouncer Model. <i>Mathematical Problems in Engineering</i> , 2009 , 2009, 1-13	1-1	6
75	In-flight and collisional dissipation as a mechanism to suppress Fermi acceleration in a breathing Lorentz gas. <i>Chaos</i> , 2012 , 22, 026123	3-3	6
74	THE EFFECT OF WEAK DISSIPATION IN TWO-DIMENSIONAL MAPPING. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250248	2	6
73	Finding invariant tori in the problem of a periodically corrugated waveguide. <i>Brazilian Journal of Physics</i> , 2008 , 38, 54-57	1-2	6
72	Defining universality classes for three different local bifurcations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016 , 39, 520-528	3-7	5
71	Dynamical properties for a mixed Fermi accelerator model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013 , 392, 4231-4241	3-3	5
70	Leaking of trajectories from the phase space of discontinuous dynamics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015 , 48, 405101	2	5
69	A family of stadium-like billiards with parabolic boundaries under scaling analysis. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011 , 44, 175102	2	5
68	Complexity of Capture Phenomena in the Conservative and the Dissipative Restricted Three-Body Problems. <i>Astronomical Journal</i> , 1999 , 117, 1634-1642	4-9	5
67	Thermodynamics of a time-dependent and dissipative oval billiard: A heat transfer and billiard approach. <i>Physical Review E</i> , 2016 , 94, 062211	2-4	5
66	Statistical investigation and thermal properties for a 1-D impact system with dissipation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 1830-1838	2-3	5
65	Influence of stability islands in the recurrence of particles in a static oval billiard with holes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 3634-3639	2-3	5
64	Scaling invariance in a social network with limited attention and innovation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018 , 382, 3376-3380	2-3	5
63	Ensemble separation and stickiness influence in a driven stadium-like billiard: A Lyapunov exponents analysis. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018 , 65, 248-259	3-7	5
62	Circular, elliptic and oval billiards in a gravitational field. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015 , 22, 731-746	3-7	4

61	Statistical properties for an open oval billiard: An investigation of the escaping basins. <i>Chaos, Solitons and Fractals</i> , 2018 , 106, 355-362	9.3	4
60	Transition from normal to ballistic diffusion in a one-dimensional impact system. <i>Physical Review E</i> , 2018 , 97, 032205	2.4	4
59	Statistical properties for a dissipative model of relativistic particles in a wave packet: A parameter space investigation. <i>Applied Mathematics and Computation</i> , 2014 , 238, 387-392	2.7	4
58	Dynamical properties of a dissipative discontinuous map: A scaling investigation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013 , 377, 3216-3222	2.3	4
57	Dynamics of classical particles in oval or elliptic billiards with a dispersing mechanism. <i>Chaos</i> , 2015 , 25, 033109	3.3	4
56	A family of dissipative two-dimensional mappings: Chaotic, regular and steady state dynamics investigation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 395, 458-465	3.3	4
55	Dynamical properties of a particle in a wave packet: Scaling invariance and boundary crisis. <i>Chaos, Solitons and Fractals</i> , 2011 , 44, 883-890	9.3	4
54	Dissipation and its consequences in the scaling exponents for a family of two-dimensional mappings. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012 , 45, 165101	2	4
53	An Investigation of Chaotic Diffusion in a Family of Hamiltonian Mappings Whose Angles Diverge in the Limit of Vanishingly Action. <i>Journal of Statistical Physics</i> , 2018 , 170, 69-78	1.5	4
52	Investigation of stickiness influence in the anomalous transport and diffusion for a non-dissipative Fermi-Ulam model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018 , 55, 225-236	3.7	3
51	Statistical and dynamical properties of a dissipative kicked rotator. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014 , 413, 498-514	3.3	3
50	Locating invariant tori for a family of two-dimensional Hamiltonian mappings. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011 , 390, 3727-3731	3.3	3
49	Time-Dependent Billiards. <i>Mathematical Problems in Engineering</i> , 2009 , 2009, 1-4	1.1	3
48	Fermi acceleration with memory-dependent excitation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009 , 388, 4927-4935	3.3	3
47	Consequences of Quadratic Frictional Force on the One Dimensional Bouncing Ball Model. <i>AIP Conference Proceedings</i> , 2007 ,	0	3
46	Diffusion phenomena in a mixed phase space. <i>Chaos</i> , 2020 , 30, 013108	3.3	2
45	Analytical description of critical dynamics for two-dimensional dissipative nonlinear maps. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016 , 380, 1959-1963	2.3	2
44	Effects of a parametric perturbation in the Hassell mapping. <i>Chaos, Solitons and Fractals</i> , 2018 , 113, 238-243	3.3	2

43	Phase space properties and chaotic transport for a particle moving in a time dependent step potential well. <i>Applied Mathematics and Computation</i> , 2014 , 236, 215-228	2.7	2
42	Scaling dynamics for a particle in a time-dependent potential well. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012 , 391, 3607-3615	3.3	2
41	An investigation of the convergence to the stationary state in the Hassell mapping. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017 , 466, 537-543	3.3	2
40	Time-dependent properties in two-dimensional and Hamiltonian mappings. <i>European Physical Journal: Special Topics</i> , 2014 , 223, 2953-2958	2.3	2
39	Introduction to Focus Issue: statistical mechanics and billiard-type dynamical systems. <i>Chaos</i> , 2012 , 22, 026101	3.3	2
38	One-dimensional Fermi accelerator model with moving wall described by a nonlinear van der Pol oscillator. <i>Physical Review E</i> , 2013 , 87, 012904	2.4	2
37	Periodic compression of an adiabatic gas: Intermittency-enhanced Fermi acceleration. <i>Europhysics Letters</i> , 2013 , 103, 40003	1.6	2
36	On the dynamics of two-dimensional dissipative discontinuous maps. <i>Chaos, Solitons and Fractals</i> , 2020 , 131, 109520	9.3	2
35	Dynamical aspects of a bouncing ball in a nonhomogeneous field. <i>Physical Review E</i> , 2021 , 103, 062205	2.4	2
34	Investigation of pollen release by poricidal anthers using mathematical billiards. <i>Physical Review E</i> , 2021 , 104, 034409	2.4	2
33	A short review of phase transition in a chaotic system. <i>European Physical Journal: Special Topics</i> , 2016 , 225, 2751-2761	2.3	2
32	Transport of chaotic trajectories from regions distant from or near to structures of regular motion of the Fermi-Ulam model. <i>Physical Review E</i> , 2016 , 94, 042208	2.4	1
31	Survival probability for chaotic particles in a set of area preserving maps. <i>European Physical Journal: Special Topics</i> , 2016 , 225, 2751-2761	2.3	1
30	Explaining a changeover from normal to super diffusion in time-dependent billiards. <i>Europhysics Letters</i> , 2018 , 121, 60003	1.6	1
29	Diffusion entropy analysis in billiard systems. <i>Physical Review E</i> , 2019 , 100, 042207	2.4	1
28	Dynamical thermalization in time-dependent billiards. <i>Chaos</i> , 2019 , 29, 103122	3.3	1
27	Dynamical properties for an ensemble of classical particles moving in a driven potential well with different time perturbation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013 , 377, 1814-1821	2.3	1
26	A rescaling of the phase space for Hamiltonian map: Applications on the Kepler map and mappings with diverging angles in the limit of vanishing action. <i>Applied Mathematics and Computation</i> , 2013 , 221, 32-39	2.7	1

25	Two-dimensional nonlinear map characterized by tunable Lévy flights. <i>Physical Review E</i> , 2014 , 90, 042138-4	3.4	1
24	Dynamical and statistical properties of a rotating oval billiard. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014 , 19, 1926-1934	3.7	1
23	Scaling investigation for the dynamics of charged particles in an electric field accelerator. <i>Chaos</i> , 2012 , 22, 043148	3.3	1
22	Can Drag Force Suppress Fermi Acceleration in a Bouncer Model?. <i>Mathematical Problems in Engineering</i> , 2009 , 2009, 1-13	1.1	1
21	CRITICAL EXPONENTS AND SCALING PROPERTIES FOR THE CHAOTIC DYNAMICS OF A PARTICLE IN A TIME-DEPENDENT POTENTIAL BARRIER. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250250	2	1
20	Application of the diffusion equation to prove scaling invariance on the transition from limited to unlimited diffusion. <i>Europhysics Letters</i> , 2020 , 131, 10004	1.6	1
19	Scaling and self-similarity for the dynamics of a particle confined to an asymmetric time-dependent potential well. <i>Physical Review E</i> , 2019 , 99, 012202	2.4	1
18	Characteristic Times for the Fermi-Ulam Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021 , 31, 2130004	2	1
17	A scaling investigation for a Van der Pol circuit: normal form applied to a Hopf bifurcation. <i>International Journal of Nonlinear Dynamics and Control</i> , 2018 , 1, 154	0.2	1
16	Fisher information of the Kuramoto model: A geometric reading on synchronization. <i>Physica D: Nonlinear Phenomena</i> , 2021 , 423, 132926	3.3	1
15	Information geometry theory of bifurcations? A covariant formulation.. <i>Chaos</i> , 2022 , 32, 023119	3.3	1
14	Statistical description of multiple collisions in the Fermi-Ulam model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019 , 383, 3080-3087	2.3	0
13	Boundary crises and supertrack orbits in the Gauss map. <i>European Physical Journal: Special Topics</i> , 2019 , 278, 103-110	2.3	0
12	Chaotic diffusion for particles moving in a time dependent potential well. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020 , 384, 126737	2.3	0
11	Characterization of a continuous phase transition in a chaotic system. <i>Europhysics Letters</i> , 2020 , 131, 20002	1.6	0
10	A Monte Carlo approach for the bouncer model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017 , 381, 3636-3640	2.3	0
9	Critical Slowing Down at a Fold and a Period Doubling Bifurcations for a Gauss Map. <i>Brazilian Journal of Physics</i> , 2019 , 49, 923-927	1.2	0
8	Scaling properties for a family of discontinuous mappings. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 436, 943-951	3.3	0

- 7 Dynamics towards the steady state applied for the Smith-Slatkin mapping. *Chaos, Solitons and Fractals*, **2018**, 108, 119-122 9.3
- 6 Saddle points and rare collisions under scaling approach in a Fermi accelerator with two nonlinear terms. *Physica A: Statistical Mechanics and Its Applications*, **2013**, 392, 1586-1592 3.3
- 5 Evolution to the equilibrium in a dissipative and time dependent billiard. *Physica A: Statistical Mechanics and Its Applications*, **2017**, 465, 66-74 3.3
- 4 Scaling properties and universality in a ratchet system. *European Physical Journal: Special Topics*, **2014**, 223, 2969-2978 2.3
- 3 An Investigation of the Chaotic Transient for a Boundary Crisis in the Fermi-Ulam Model. *Advances in Dynamics, Patterns, Cognition*, **2019**, 89-108 0.7
- 2 Hidden High Period Accelerator Modes in a Bouncer Model. *Springer Proceedings in Physics*, **2016**, 179-193.2
- 1 Leaking of orbits from the phase space of the dissipative discontinuous standard mapping. *Physical Review E*, **2021**, 103, 012211 2.4