

# Rafael M Da Silva

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7837990/publications.pdf>

Version: 2024-02-01

17  
papers

277  
citations

1163117

8  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

206  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Strong correlations between power-law growth of COVID-19 in four continents and the inefficiency of soft quarantine strategies. <i>Chaos</i> , 2020, 30, 041102. | 2.5 | 110       |
| 2  | Characterizing weak chaos using time series of Lyapunov exponents. <i>Physical Review E</i> , 2015, 91, 062907.  | 2.1 | 24        |
| 3  | Decay of the distance autocorrelation and Lyapunov exponents. <i>Physical Review E</i> , 2019, 99, 062206.   | 2.1 | 22        |
| 4  | Proliferation of stability in phase and parameter spaces of nonlinear systems. <i>Chaos</i> , 2017, 27, 081101.  | 2.5 | 20        |
| 5  | How relevant is the decision of containment measures against COVID-19 applied ahead of time?. <i>Chaos, Solitons and Fractals</i> , 2020, 140, 110164.           | 5.1 | 19        |
| 6  | Scrutinizing the heterogeneous spreading of COVID-19 outbreak in large territorial countries. <i>Physical Biology</i> , 2021, 18, 025002.                        | 1.8 | 16        |
| 7  | Transient dynamics and multistability in two electrically interacting FitzHugh-Nagumo neurons. <i>Chaos</i> , 2021, 31, 053107.                                  | 2.5 | 13        |
| 8  | Recurrence-time statistics in non-Hamiltonian volume-preserving maps and flows. <i>Physical Review E</i> , 2015, 92, 022921.                                     | 2.1 | 10        |
| 9  | Optimizing thermally affected ratchet currents using periodic perturbations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 508, 454-460.  | 2.6 | 8         |
| 10 | Exploring conservative islands using correlated and uncorrelated noise. <i>Physical Review E</i> , 2018, 97, 022219.   | 2.1 | 7         |
| 11 | Controlling intermediate dynamics in a family of quadratic maps. <i>Chaos</i> , 2017, 27, 103101.  | 2.5 | 6         |
| 12 | Steering multiattractors to overcome parameter inaccuracy and noise effects. <i>Physical Review E</i> , 2018, 98, .  | 2.1 | 6         |
| 13 | Intermittent stickiness synchronization. <i>Physical Review E</i> , 2019, 99, 052208.  | 2.1 | 5         |
| 14 | Optimal ratchet current for elastically interacting particles. <i>Chaos</i> , 2019, 29, 111101.  | 2.5 | 5         |
| 15 | Collective transient ratchet transport induced by many elastically interacting particles. <i>Scientific Reports</i> , 2021, 11, 16178.                           | 3.3 | 3         |
| 16 | Studying partial hyperbolicity inside regimes of motion in Hamiltonian systems. <i>Chaos, Solitons and Fractals</i> , 2021, 144, 110640.                         | 5.1 | 1         |
| 17 | Strong Dynamical Trappings Originating Ergodicity Breaking in Coupled Hamiltonian Systems. <i>Brazilian Journal of Physics</i> , 2022, 52, 1.                    | 1.4 | 0         |