

# Gustavo Rg Rodriguez-Gomez

## List of Publications by Year in descending order

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36  
papers

341  
citations

1163117

8  
h-index

839539

18  
g-index

40  
all docs

40  
docs citations

40  
times ranked

347  
citing authors

#	ARTICLE	IF	CITATIONS
1	Generating a 50-scroll chaotic attractor at 66MHz by using FPGAs. <i>Nonlinear Dynamics</i> , 2016, 85, 2143-2157.	5.2	89
2	A survey on the integrated design of chaotic oscillators. <i>Applied Mathematics and Computation</i> , 2013, 219, 5113-5122.	2.2	78
3	Applications of Evolutionary Algorithms in the Design Automation of Analog Integrated Circuits. <i>Journal of Applied Sciences</i> , 2010, 10, 1859-1872.	0.3	46
4	Ground effect on rotorcraft unmanned aerial vehicles: a review. <i>Intelligent Service Robotics</i> , 2021, 14, 99-118.	2.6	36
5	Node adaptive domain decomposition method by radial basis functions. <i>Numerical Methods for Partial Differential Equations</i> , 2009, 25, 1482-1501.	3.6	13
6	Optimizing the Kaplan-Yorke Dimension of Chaotic Oscillators Applying DE and PSO. <i>Technologies</i> , 2019, 7, 38.	5.1	13
7	Fluvial Transport Model from Spatial Distribution Analysis of Libyan Desert Glass Mass on the Great Sand Sea (Southwest Egypt): Clues to Primary Glass Distribution. <i>Geosciences (Switzerland)</i> , 2015, 5, 95-116.	2.2	10
8	Computing general companion matrices and stability regions of multirate methods. <i>International Journal for Numerical Methods in Engineering</i> , 2004, 61, 255-273.	2.8	6
9	Extending a spherical robot for dealing with irregular surfaces: a sea urchin-like robot. <i>Advanced Robotics</i> , 2014, 28, 1475-1485.	1.8	6
10	Adaptive Node Refinement Collocation Method for Partial Differential Equations. , 2006, , .		4
11	An intermedia synchronisation mechanism for multimedia distributed systems. <i>International Journal of Internet Protocol Technology</i> , 2009, 4, 207.	0.2	4
12	A Monocular SLAM-based Controller for Multirotors with Sensor Faults under Ground Effect. <i>Sensors</i> , 2019, 19, 4948.	3.8	4
13	An Efficient $\hat{\Gamma}$ -Causal Algorithm for Real-Time Distributed Systems. <i>Journal of Applied Sciences</i> , 2009, 9, 1711-1718.	0.3	4
14	Pattern object-oriented architecture for Multirate Integration Methods. , 2011, , .		3
15	Aerodynamic Disturbance Rejection Acting on a Quadcopter Near Ground. , 2019, , .		3
16	Enhanced Locomotion of a Spherical Robot Based on the Sea-urchin Characteristics. <i>Lecture Notes in Computer Science</i> , 2014, , 238-248.	1.3	2
17	Interpolated functional manifold for functional near-infrared spectroscopy analysis at group level. <i>Neurophotonics</i> , 2020, 7, 045009.	3.3	2
18	Trigonometric polynomials methods to simulate oscillating chaotic systems. <i>AIP Conference Proceedings</i> , 2022, , .	0.4	2

#	ARTICLE	IF	CITATIONS
19	Self-organization of agents for collective movement based on particle swarm optimization: A qualitative analysis. , 2011, , .		1
20	Numerical optimization techniques for nonlinear quadrotor control. , 2017, , .		1
21	Sensor Fault Mitigation for MAVs under Ground Effect*. , 2019, , .		1
22	Fuzzy Causal Ordering of Events in Distributed Systems. Journal of Applied Sciences, 2009, 9, 1441-1449.	0.3	1
23	Radial Basis Function for Visual Image Retrieval. , 2010, , .		0
24	Design patterns in multi-agent system simulation. , 2011, , .		0
25	Software system design based on patterns for Newton-type methods. Computing (Vienna/New York), 2020, 102, 1005-1030.	4.8	0
26	Exponential Convergence of Multiquadric Collocation Method: a Numerical Study. IngenierÃa InvestigaciÃn Y TecnologÃa, 2009, 10, 197-206.	0.1	0
27	A UML 2.0 Profile to Model Block Cipher Algorithms. Lecture Notes in Computer Science, 2010, , 20-31.	1.3	0
28	On Model-Driven Engineering of Reconfigurable Digital Control Hardware Systems. , 2011, , 190-208.		0
29	Demonstration of Multitarget Flocking for Constrained Environments. Advances in Intelligent and Soft Computing, 2012, , 287-290.	0.2	0
30	Multitarget Flocking for Constrained Environments. Advances in Intelligent and Soft Computing, 2012, , 181-190.	0.2	0
31	An Efficient Two-Tier Causal Protocol for Mobile Distributed Systems. PLoS ONE, 2013, 8, e59904.	2.5	0
32	Computing Polynomial Segmentation through Radial Surface Representation. Polibits, 0, 49, 77-81.	0.0	0
33	Dimension Reduction Parameters for Leukemia Diagnostic based in Subspace Arrangement Segmentation. Applied Mathematics and Information Sciences, 2014, 8, 2789-2794.	0.5	0
34	Design of Home Energy Management System Using IoT Data Flow. Communications in Computer and Information Science, 2019, , 165-176.	0.5	0
35	Methodology for Designing an Electricity Demand System in the Context of IoT Household. Applied Sciences (Switzerland), 2022, 12, 3387.	2.5	0
36	OptimizaciÃn del consumo elÃ©ctrico mediante la heurÃstica cÃmulo de partÃculas. Revista Colombiana De Computacion, 2021, 22, 14-21.	0.5	0