Jean-Marc Ginoux

List of Publications by Year
in descending order

71 papers	1,073 citations	516710 16 h-index	501196 28 g-index
75 all docs	75 docs citations	75 times ranked	957 citing authors

#	Article	IF	Citations
1	Frischâ€™s Propagation-Impulse Model: A Comprehensive Mathematical Analysis. Foundations of Science, 2023, 28, 57-84.	0.7	4
2	Albert Einstein and the Doubling of the Deflection of Light. Foundations of Science, 2022, 27, 829-850.	0.7	5
3	Flow curvature manifold and energy of generalized LiÃ©nard systems. Chaos, Solitons and Fractals, 2022, 161, 112354.	5.1	3
4	Convolutional neural network for smoke and fire semantic segmentation. IET Image Processing, 2021, 15, 634-647.	2.5	47
5	Dynamics and Darboux Integrability of the D2 Polynomial Vector Fields of Degree 2 in $mathbb {R}^{3}$. Mathematical Physics Analysis and Geometry, 2021, 24, 1.	1.0	0
6	Minimal Universal Model for Chaos in Laser with Feedback. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2130013.	1.7	18
7	Slow Invariant Manifolds of Slowâ€“Fast Dynamical Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150112.	1.7	8
8	Slow Invariant Manifold of Laser with Feedback. Symmetry, 2021, 13, 1898.	2.2	2
9	Torus breakdown in a two-stroke relaxation memristor. Chaos, Solitons and Fractals, 2021, 153, 111594.	5.1	3
10	Perimeter Determination of the Eight-Centered Oval. Mathematical Intelligencer, 2020, 42, 20-29.	0.2	0
11	A physical memristor based Muthuswamyâ€“Chuaâ€“Ginoux system. Scientific Reports, 2020, 10, 19206.	3.3	23
12	Harmonic oscillator tank: A new method for leakage and energy reduction in a water distribution network with pressure driven demand. Energy, 2020, 201, 117657.	8.8	1
13	Canards Existence in the Hindmarshâ€“Rose model. Mathematical Modelling of Natural Phenomena, 2019, 14, 409.	2.4	6
14	Chaos in a predatorâ€“prey-based mathematical model for illicit drug consumption. Applied Mathematics and Computation, 2019, 347, 502-513.	2.2	21
15	Canards Existence in the Hindmarshâ€“Rose Model. Trends in Mathematics, 2019, , 169-175.	0.1	0
16	Accurate prediction of continuous blood glucose based on support vector regression and differential evolution algorithm. Biocybernetics and Biomedical Engineering, 2018, 38, 362-372.	5.9	82
17	Is type 1 diabetes a chaotic phenomenon?. Chaos, Solitons and Fractals, 2018, 111, 198-205.	5.1	20
18	Sur la dÃ©termination du pÃ©rimÃ¨tre de l'ovale Ã huit centres. Comptes Rendus Mathematique, 2018, 356, 1195-1202.	0.3	2

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19	Torus Breakdown in a Uni Junction Memristor. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850128.	1.7	8
20	Continuous blood glucose level prediction of Type 1 Diabetes based on Artificial Neural Network. Biocybernetics and Biomedical Engineering, 2018, 38, 828-840.	5.9	81
21	From Branly Coherer to Chua Memristor. , 2018, , 1-33.		0
22	From the Series-Dynamo Machine to the Singing Arc: GÃ©rard-Lescuyer, Blondel, PoincarÃ©. Archimedes, 2017, , 3-37.	0.3	1
23	Andronovâ€™s Notes: Toward the Concept of Self-Oscillations. Archimedes, 2017, , 131-144.	0.3	0
24	The Krylov-Bogolyubov Method: Towards a Nonlinear Mechanics. Archimedes, 2017, , 291-304.	0.3	1
25	Zeroâ€Hopf bifurcation in the Volterraâ€Gause system of predatorâ€prey type. Mathematical Methods in the Applied Sciences, 2017, 40, 7858-7866.	2.3	6
26	Einstein e la stampa: Una relazione tumultuosa. Lettera Matematica Pristem, 2017, 99, 61-64.	0.0	0
27	Torus Breakdown and Homoclinic Chaos in a Glow Discharge Tube. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750220.	1.7	5
28	Estimation of blood glucose levels techniques. , 2017, , .		3
29	Il paradosso del modello PREDATORE-PREDA di Vito Volterra. Lettera Matematica Pristem, 2017, 102, 54-62.	0.0	0
30	Artificial neural network for blood glucose level prediction. , 2017, , .		18
31	The paradox of Vito Volterraâ€™s predator-prey model. Lettera Matematica, 2017, 5, 305-311.	0.1	3
32	The Paradigm of Relaxation Oscillations in France. Archimedes, 2017, , 177-255.	0.3	0
33	The Mandelâ€™shtam-Papalexi School: The â€œVan der Pol-PoincarÃ©â€•Method. Archimedes, 2017, , 305-310.	0.3	0
34	Van der Polâ€™s Method: A Simple and Classic Solution. Archimedes, 2017, , 275-289.	0.3	1
35	From Quasi-periodic Functions to Recurrent Motions. Archimedes, 2017, , 311-330.	0.3	0
36	Hadamard and His Seminary: At the Crossroads of Ideas and Theories. Archimedes, 2017, , 331-338.	0.3	0

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37	The Great War and the First Triode Designs: Abraham, Bloch, Blondel, Van der Pol. Archimedes, 2017, , 39-65.	0.3	0
38	Van der Polâ€™s Prototype Equation: Existence and Uniqueness of the Periodic Solution Cartan, Van der Pol, LiÃ©nard. Archimedes, 2017, , 67-101.	0.3	0
39	The First International Conference on Nonlinear Processes: Paris 1933. Archimedes, 2017, , 165-176.	0.3	0
40	Van der Polâ€™s Lectures: Towards the Concept of Relaxation Oscillations. Archimedes, 2017, , 109-130.	0.3	0
41	Response to Van der Polâ€™s and Andronovâ€™s Work in France. Archimedes, 2017, , 145-163.	0.3	0
42	The PoincarÃ©-Lindstedt Method: The Incompatibility with Radio Engineering. Archimedes, 2017, , 265-273.	0.3	0
43	Convolutional neural network for video fire and smoke detection. , 2016, , .		195
44	Glycemic evolution of type 1 diabetic patients is a chaotic phenomenon. , 2016, , .		0
45	Sleep fragmentation thresholds of sleep fragmentation indices. , 2016, , .		1
46	From Nonlinear Oscillations to Chaos Theory. Understanding Complex Systems, 2016, , 27-47.	0.6	5
47	Canards Existence in Memristorâ€™s Circuits. Qualitative Theory of Dynamical Systems, 2016, 15, 383-431.	1.7	9
48	Mathematical modelling of sleep fragmentation diagnosis. Biomedical Signal Processing and Control, 2016, 24, 83-92.	5.7	2
49	Canards Existence in FitzHugh-Nagumo and Hodgkin-Huxley Neuronal Models. Mathematical Problems in Engineering, 2015, 2015, 1-17.	1.1	11
50	WSN BASED THERMAL MODELING: A NEW INDOOR ENERGY EFFICIENT SOLUTION. International Journal on Smart Sensing and Intelligent Systems, 2015, 8, 869-895.	0.7	5
51	An Ultrasonic Contactless Sensor for Breathing Monitoring. Sensors, 2014, 14, 15371-15386.	3.8	79
52	The Slow Invariant Manifold of the Lorenzâ€“Krishnamurthy Model. Qualitative Theory of Dynamical Systems, 2014, 13, 19-37.	1.7	9
53	Mathematical convergences of biodiversity indices. Ecological Indicators, 2013, 29, 522-528.	6.3	51
54	CANARDS FROM CHUA'S CIRCUIT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1330010.	1.7	11

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55	THE SINGING ARC: THE OLDEST MEMRISTOR?. , 2013, , 494-507.		8
56	Multi-pattern cross training: An ANN model training method using WSN sensor data. , 2013, , .		1
57	THE FIRST "LOST" INTERNATIONAL CONFERENCE ON NONLINEAR OSCILLATIONS (I.C.N.O.). International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250097.	1.7	4
58	Blondel et les oscillations auto-entretenues. Archive for History of Exact Sciences, 2012, 66, 485-530.	0.5	8
59	Van der Pol and the history of relaxation oscillations: Toward the emergence of a concept. Chaos, 2012, 22, 023120.	2.5	70
60	The flow curvature method applied to canard explosion. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 465203.	2.1	13
61	POINCARÃ‰'S FORGOTTEN CONFERENCES ON WIRELESS TELEGRAPHY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 3617-3626.	1.7	33
62	TOPOLOGICAL ANALYSIS OF CHAOTIC SOLUTION OF A THREE-ELEMENT MEMRISTIVE CIRCUIT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 3819-3827.	1.7	14
63	Prediction of the vibro-acoustic behavior of a submerged shell non periodically stiffened by internal frames. Journal of the Acoustical Society of America, 2010, 128, 137-151.	1.1	35
64	Connecting curves for dynamical systems. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 255101.	2.1	17
65	Flow curvature manifolds for shaping chaotic attractors: I. RÃ¶ssler-like systems. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 285101.	2.1	5
66	DEVELOPMENT OF THE NONLINEAR DYNAMICAL SYSTEMS THEORY FROM RADIO ENGINEERING TO ELECTRONICS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 2131-2163.	1.7	7
67	Invariant Manifolds of Complex Systems. Understanding Complex Systems, 2009, , 41-49.	0.6	2
68	SLOW INVARIANT MANIFOLDS AS CURVATURE OF THE FLOW OF DYNAMICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 3409-3430.	1.7	23
69	Slow Manifold of a Neuronal Bursting Model. , 2006, , 119-128.		8
70	DIFFERENTIAL GEOMETRY AND MECHANICS: APPLICATIONS TO CHAOTIC DYNAMICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 887-910.	1.7	37
71	CHAOS IN A THREE-DIMENSIONAL VOLTERRAâ€“GAUSE MODEL OF PREDATORâ€“PREY TYPE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 1689-1708.	1.7	16