

Fabio Caldarola

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

228
citations

1039406

9
h-index

996533

15
g-index

24
all docs

24
docs citations

24
times ranked

92
citing authors

#	ARTICLE	IF	CITATIONS
1	The Sierpinski curve viewed by numerical computations with infinities and infinitesimals. Applied Mathematics and Computation, 2018, 318, 321-328.	1.4	36
2	The exact measures of the Sierpiński d-dimensional tetrahedron in connection with a Diophantine nonlinear system. Communications in Nonlinear Science and Numerical Simulation, 2018, 63, 228-238.	1.7	26
3	A new approach to the Z-transform through infinite computation. Communications in Nonlinear Science and Numerical Simulation, 2020, 82, 105019.	1.7	21
4	The role of computer simulations in learning analytic mechanics towards chaos theory: a course experimentation. International Journal of Mathematical Education in Science and Technology, 2019, 50, 100-120.	0.8	17
5	Infinite Numerical Computing Applied to Hilbert's, Peano's, and Moore's Curves. Mediterranean Journal of Mathematics, 2020, 17, 1.	0.4	15
6	On the topological convergence of multi-rule sequences of sets and fractal patterns. Soft Computing, 2020, 24, 17737-17749.	2.1	14
7	New Approaches to Basic Calculus: An Experimentation via Numerical Computation. Lecture Notes in Computer Science, 2020, , 329-342.	1.0	13
8	Emergence of linguistic-like structures in one-dimensional cellular automata. AIP Conference Proceedings, 2016, , .	0.3	12
9	New algebraic and geometric constructs arising from Fibonacci numbers. Soft Computing, 2020, 24, 17497-17508.	2.1	9
10	Computation of supertrack functions for Chua's oscillator and for Chua's circuit with memristor. Communications in Nonlinear Science and Numerical Simulation, 2021, 94, 105568.	1.7	9
11	Paradoxes of the Infinite and Ontological Dilemmas Between Ancient Philosophy and Modern Mathematical Solutions. Lecture Notes in Computer Science, 2020, , 358-372.	1.0	9
12	Local indices within a mathematical framework for urban water distribution systems. Cogent Engineering, 2019, 6, .	1.1	8
13	A New Set of Local Indices Applied to a Water Network through Demand and Pressure Driven Analysis (DDA and PDA). Water (Switzerland), 2020, 12, 2210.	1.2	6
14	On the Arithmetic of Knuth's Powers and Some Computational Results About Their Density. Lecture Notes in Computer Science, 2020, , 381-388.	1.0	5
15	Beyond Knuth's notation for unimaginable numbers within computational number theory. International Electronic Journal of Algebra, 2022, 31, 55-73.	0.6	5
16	The New Set Up of Local Performance Indices into WaterNetGen and Application to Santarom's Network. Environmental Sciences Proceedings, 2020, 2, 18.	0.3	4
17	The Sequence of Carboncettus Octagons. Lecture Notes in Computer Science, 2020, , 373-380.	1.0	4
18	Numerical Experimentations for a New Set of Local Indices of a Water Network. Lecture Notes in Computer Science, 2020, , 495-505.	1.0	4

#	ARTICLE	IF	CITATIONS
19	Complex interactions in one-dimensional cellular automata and linguistic constructions. Applied Mathematical Sciences, 2018, 12, 691-721.	0.0	3
20	A mathematical investigation on the invariance problem of some hydraulic indices. Applied Mathematics and Computation, 2021, 409, 125726.	1.4	3
21	Algebraic Tools and New Local Indices for Water Networks:Some Numerical Examples. Lecture Notes in Computer Science, 2020, , 517-524.	1.0	3
22	Stabilization for Iwasawa modules in \mathbb{Z}_p -extensions. Rendiconti Del Seminario Matematico Dell 'Universita' Di Padova/Mathematical Journal of the University of Padova, 2016, 136, 137-155.	0.2	0
23	Stabilization in non-abelian Iwasawa theory. Acta Arithmetica, 2015, 169, 319-329.	0.2	0