

Eleonora Bilotta

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

1,672
citations

304368

22
h-index

360668

35
g-index

116
all docs

116
docs citations

116
times ranked

1119
citing authors

#	ARTICLE	IF	CITATIONS
1	Shaping the aesthetical landscape by using image statistics measures. Acta Psychologica, 2022, 224, 103530.	0.7	5
2	A Project Based Learning Approach for Improving Studentsâ€™ Computational Thinking Skills. Frontiers in Robotics and AI, 2022, 9, 720448.	2.0	12
3	Industry 4.0 technologies in tourism education: Nurturing students to think with technology. Journal of Hospitality, Leisure, Sport and Tourism Education, 2021, 29, 100275.	1.9	39
4	Computation of supertrack functions for Chuaâ€™s oscillator and for Chuaâ€™s circuit with memristor. Communications in Nonlinear Science and Numerical Simulation, 2021, 94, 105568.	1.7	9
5	Multi-objective optimization and rapid prototyping for jewelry industry: methodologies and case studies. International Journal of Advanced Manufacturing Technology, 2021, 112, 2943-2959.	1.5	23
6	Probability-density risk-maps for tourism during emergencies. Annals of Tourism Research, 2021, 92, 103259.	3.7	2
7	Preliminary study of an innovative method to increase the accuracy in direct 3D-Printing of NURBS objects. , 2021, , .		2
8	A unifying nonlinear probabilistic epidemic model in space and time. Scientific Reports, 2021, 11, 13860.	1.6	5
9	Enhancing store layout decision with agent-based simulations of consumersâ€™ density. Expert Systems With Applications, 2021, 182, 115231.	4.4	8
10	Snarcng with a phone: The role of order in spatial-numerical associations is revealed by context and task demands.. Journal of Experimental Psychology: Human Perception and Performance, 2021, 47, 1365-1377.	0.7	7
11	SARS-CoV-2 emerging complexity and global dynamics. Chaos, 2021, 31, 123110.	1.0	2
12	Shopping with(out) distancing: modelling the personal space to limit the spread of contagious disease among consumers in retail stores. Journal of Marketing Management, 2021, 37, 1764-1782.	1.2	5
13	Spatiotemporal Pattern Formation in a Ring of Chuaâ€™s Oscillators. Regular and Chaotic Dynamics, 2021, 26, 717-731.	0.3	1
14	10.1063/5.0062749.1. , 2021, , .		0
15	10.1063/5.0062749.2. , 2021, , .		0
16	Machine learning and points of interest: typical tourist Italian cities. Current Issues in Tourism, 2020, 23, 1646-1658.	4.6	21
17	Branding luxury hotels: Evidence from the analysis of consumersâ€™ âœœbigâœ•visual data on TripAdvisor. Journal of Business Research, 2020, 119, 495-501.	5.8	56
18	The development and application of an optimization tool in industrial design. International Journal on Interactive Design and Manufacturing, 2020, 14, 955-970.	1.3	15

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19	University Students's Hangover May Affect Cognitive Research. <i>Frontiers in Psychology</i> , 2020, 11, 573291.	1.1	6
20	Clustering Analysis to Profile Customers' Behaviour in POWER CLOUD Energy Community. <i>Lecture Notes in Computer Science</i> , 2020, , 437-450.	1.0	1
21	On the temporal spreading of the SARS-CoV-2. <i>PLoS ONE</i> , 2020, 15, e0240777.	1.1	13
22	Modelling on Human Intelligence a Machine Learning System. <i>Lecture Notes in Computer Science</i> , 2020, , 410-424.	1.0	1
23	Algorithms for Jewelry Industry 4.0. <i>Lecture Notes in Computer Science</i> , 2020, , 425-436.	1.0	5
24	On the temporal spreading of the SARS-CoV-2. , 2020, 15, e0240777.		0
25	On the temporal spreading of the SARS-CoV-2. , 2020, 15, e0240777.		0
26	On the temporal spreading of the SARS-CoV-2. , 2020, 15, e0240777.		0
27	On the temporal spreading of the SARS-CoV-2. , 2020, 15, e0240777.		0
28	The role of computer simulations in learning analytic mechanics towards chaos theory: a course experimentation. <i>International Journal of Mathematical Education in Science and Technology</i> , 2019, 50, 100-120.	0.8	17
29	Mid-sagittal plane detection for advanced physiological measurements in brain scans. <i>Physiological Measurement</i> , 2019, 40, 115009.	1.2	4
30	Using social media to identify tourism attractiveness in six Italian cities. <i>Tourism Management</i> , 2019, 72, 306-312.	5.8	121
31	Lesson Planning by Computational Thinking Skills in Italian Pre-service Teachers. <i>Informatics in Education</i> , 2019, 18, 69-104.	1.8	37
32	Digital manipulation versus real one: learning and motivation in a case study on Storytelling. <i>Research on Education and Media</i> , 2019, 11, 32-41.	0.2	0
33	Complex interactions in one-dimensional cellular automata and linguistic constructions. <i>Applied Mathematical Sciences</i> , 2018, 12, 691-721.	0.0	3
34	Brain-like large scale cognitive networks and dynamics. <i>European Physical Journal: Special Topics</i> , 2018, 227, 787-797.	1.2	6
35	Digital interaction. , 2018, , .		2
36	Chaotic target representation for robust object tracking. <i>Signal Processing: Image Communication</i> , 2017, 54, 23-35.	1.8	10

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37	Shopping with a robotic companion. <i>Computers in Human Behavior</i> , 2017, 77, 382-395.	5.1	130
38	Demyelination patterns in a mathematical model of multiple sclerosis. <i>Journal of Mathematical Biology</i> , 2017, 75, 373-417.	0.8	36
39	Emergence nonlinear Multifractal architecture by Hypervolume estimation algorithm for evolutionary multi-criteria optimisation. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , 2017, 32, S101-S113.	0.7	1
40	Discovery of Regular Domains in Large DNA Data Sets. , 2017, , .		2
41	Multi-step prediction method for robust object tracking. , 2017, 70, 94-104.		10
42	The chaotic dynamics of high-dimensional systems. <i>Nonlinear Dynamics</i> , 2017, 87, 2597-2610.	2.7	25
43	An Educational Robotics Lab to Investigate Cognitive Strategies and to Foster Learning in an Arts and Humanities Course Degree. <i>International Journal of Online Engineering</i> , 2017, 13, 7.	0.5	16
44	VALE-Emotions: Aplicaci3n m3vil de ense±anza para individuos con Desordenes del Espectro Autista. <i>Enfoque</i> , 2017, 8, 358-373.	0.3	2
45	An Educational Coding Laboratory for Elementary Pre-service Teachers: A Qualitative Approach. <i>International Journal of Engineering Pedagogy</i> , 2016, 6, 11.	0.7	7
46	Emergence of linguistic-like structures in one-dimensional cellular automata. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	12
47	Wavefront invasion for a chemotaxis model of Multiple Sclerosis. <i>Ricerche Di Matematica</i> , 2016, 65, 423-434.	0.6	6
48	Implementing a New Class-Lab. <i>International Journal of Digital Literacy and Digital Competence</i> , 2015, 6, 33-49.	0.1	0
49	Coding with Scratch: The design of an educational setting for Elementary pre-service teachers. , 2015, , .		25
50	Virtual museums and Calabrian cultural heritage: Projects and challenges. , 2015, , .		4
51	Complexity and emergence of wave dynamics in a chain of sequentially interconnected Chua circuits. <i>Mechanics Research Communications</i> , 2015, 68, 9-17.	1.0	2
52	Neuroprotective effect of human mesenchymal stem cells in a compartmentalized neuronal membrane system. <i>Acta Biomaterialia</i> , 2015, 24, 297-308.	4.1	54
53	Surfing virtual environment in the Gal3pagos Islands. , 2015, , .		2
54	Fully Automated Segmentation of the Pons and Midbrain Using Human T1 MR Brain Images. <i>PLoS ONE</i> , 2014, 9, e85618.	1.1	25

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55	Spontaneous Synchronization in Two Mutually Coupled Memristor-Based Chua's Circuits: Numerical Investigations. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-15.	0.6	7
56	Synchronization and Waves in a Ring of Diffusively Coupled Memristor-Based Chua's Circuits. <i>Acta Applicandae Mathematicae</i> , 2014, 132, 83-94.	0.5	12
57	Learning in the Smart City: A Virtual and Augmented Museum Devoted to Chaos Theory. <i>Lecture Notes in Computer Science</i> , 2014, , 261-270.	1.0	15
58	Reconfigurable Implementation of a CNN-UM Platform for Fast Dynamical Systems Simulation. <i>Lecture Notes in Electrical Engineering</i> , 2014, , 85-101.	0.3	2
59	FPGA-Based Distributed Computing Microarchitecture for Complex Physical Dynamics Investigation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013, 24, 1390-1399.	7.2	7
60	CELLULAR NONLINEAR NETWORKS MEET KdV EQUATION: A NEW PARADIGM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013, 23, 1330003.	0.7	6
61	Toward the Use of Chua's Circuit in Education, Art and Interdisciplinary Research: Some Implementation and Opportunities. <i>Leonardo</i> , 2013, 46, 456-463.	0.2	20
62	An emotional learning environment for subjects with Autism Spectrum Disorder. , 2013, , .		20
63	Motivating the learning of science topics in secondary school: A constructivist edutainment setting for studying Chaos. <i>Computers and Education</i> , 2012, 59, 1377-1386.	5.1	47
64	A Cellular Neural Network methodology for the automated segmentation of multiple sclerosis lesions. <i>Journal of Neuroscience Methods</i> , 2012, 203, 193-199.	1.3	44
65	Biological Traits in Artificial Self-Reproducing Systems. <i>International Journal of Signs and Semiotic Systems</i> , 2012, 2, 69-83.	0.1	0
66	ARTIFICIAL MICRO WORLDS PART IV: MODELS OF COMPLEX SELF-REPRODUCERS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 1501-1521.	0.7	8
67	ARTIFICIAL MICRO-WORLDS PART III: A TAXONOMY OF SELF-REPRODUCING 2D CA SPECIES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 1233-1263.	0.7	7
68	ARTIFICIAL MICRO-WORLDS PART II: CELLULAR AUTOMATA GROWTH DYNAMICS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 619-645.	0.7	19
69	ARTIFICIAL MICRO-WORLDS PART I: A NEW APPROACH FOR STUDYING LIFE-LIKE PHENOMENA. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 373-398.	0.7	25
70	CHAOS AT SCHOOL: CHUA'S CIRCUIT FOR STUDENTS IN JUNIOR AND SENIOR HIGH SCHOOL. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 1-28.	0.7	51
71	Connecting Art and Science for Education: Learning through an Advanced Virtual Theater with "Talking Heads". <i>Leonardo</i> , 2010, 43, 442-448.	0.2	30
72	DISCRETE CHAOTIC DYNAMICS FROM CHUA'S OSCILLATOR: CHUA MACHINES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 1-115.	0.7	12

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73	A GA-Based Control Strategy to Create Music with a Chaotic System. Lecture Notes in Computer Science, 2009, , 585-590.	1.0	3
74	Edutainment Robotics as Learning Tool. Lecture Notes in Computer Science, 2009, , 25-35.	1.0	16
75	Edutainment Robotics as Learning Tool. Lecture Notes in Computer Science, 2009, , 422-422.	1.0	10
76	A GALLERY OF CHUA ATTRACTORS: PART IV. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 1017-1077.	0.7	29
77	A GALLERY OF CHUA ATTRACTORS: PART III. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 657-734.	0.7	31
78	A GALLERY OF CHUA ATTRACTORS PART V. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 1383-1511.	0.7	27
79	A GALLERY OF CHUA ATTRACTORS PART VI. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 1801-1910.	0.7	31
80	A GALLERY OF CHUA ATTRACTORS: PART I. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 1-60.	0.7	59
81	A GALLERY OF CHUA ATTRACTORS: PART II. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 293-380.	0.7	31
82	Evolutionary Methods for Melodic Sequences Generation from Non-linear Dynamic Systems. , 2007, , 585-592.		16
83	GENERATING MULTI STATE CELLULAR AUTOMATA BY USING CHUA'S "UNIVERSAL NEURON", 2007, , .		0
84	Computer graphics meets chaos and hyperchaos. Some key problems. Computers and Graphics, 2006, 30, 359-367.	1.4	23
85	Structural and functional growth in self-reproducing cellular automata. Complexity, 2006, 11, 12-29.	0.9	32
86	THE LANGUAGE OF CHAOS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 523-557.	0.7	25
87	Emergent Patterning Phenomena in 2D Cellular Automata. Artificial Life, 2005, 11, 339-362.	1.0	30
88	READING COMPLEXITY IN CHUA'S OSCILLATOR THROUGH MUSIC. PART I: A NEW WAY OF UNDERSTANDING CHAOS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 253-382.	0.7	23
89	Searching for complex CA rules with GAs. Complexity, 2003, 8, 56-67.	0.9	21
90	Life-like self-reproducers. Complexity, 2003, 9, 38-55.	0.9	29

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91	Synthetic Harmonies: An Approach to Musical Semiosis by Means of Cellular Automata. Leonardo, 2002, 35, 153-159.	0.2	15
92	Observations on Complex Multi-state CAs. Lecture Notes in Computer Science, 2001, , 226-235.	1.0	4
93	A WWW Hypermedia Prototype. Workshops in Computing, 1996, , 199-201.	0.4	1
94	An educational environment using WWW. Computer Networks, 1995, 27, 905-909.	1.0	21
95	Biological Traits in Artificial Self-Reproducing Systems. , 0, , 109-123.		1
96	Outline. , 0, , 1-16.		0
97	Basic Definitions. , 0, , 17-50.		0
98	Modelling Biological Systems. , 0, , 51-82.		0
99	Cellular Automata Metrics. , 0, , 114-149.		0
100	The Discovery of Complex Rules. , 0, , 150-184.		0
101	Searching for Self-Replicating Systems. , 0, , 185-209.		0
102	Lifelike Self-Replicators. , 0, , 210-247.		0
103	Language Structures in Cellular Automata. , 0, , 248-281.		0
104	Models of Self-Replicators. , 0, , 282-314.		0
105	A Genetic Approach to the Study of Self-Replication. , 0, , 315-361.		0
106	A Zoo of Self-Replicators. , 0, , 379-426.		0
107	Rhythms of Life. , 0, , 427-458.		0
108	From Rhythm to Sound and Music. , 0, , 459-485.		0