

Araceli Queiruga-Dios

List of Publications by Year in descending order

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72
papers

468
citations

686830

13
h-index

794141

19
g-index

79
all docs

79
docs citations

79
times ranked

370
citing authors

#	ARTICLE	IF	CITATIONS
1	Traceability of Ready-to-Wear Clothing through Blockchain Technology. Sustainability, 2020, 12, 7491.	1.6	45
2	Numerical solution of nonlinear singularly perturbed problems on nonuniform meshes by using a non-standard algorithm. Journal of Mathematical Chemistry, 2010, 48, 38-54.	0.7	35
3	A New Individual-Based Model to Simulate Malware Propagation in Wireless Sensor Networks. Mathematics, 2020, 8, 410.	1.1	29
4	Review on Wearables to Monitor Foot Temperature in Diabetic Patients. Sensors, 2019, 19, 776.	2.1	27
5	Manufacturing processes in the textile industry. Expert Systems for fabrics production. Advances in Distributed Computing and Artificial Intelligence Journal, 2018, 6, 15-23.	1.1	24
6	Numerical algorithms for diffusion-reaction problems with non-classical conditions. Applied Mathematics and Computation, 2012, 218, 5487-5495.	1.4	22
7	Security and Practical Considerations When Implementing the Elliptic Curve Integrated Encryption Scheme. Cryptologia, 2015, 39, 244-269.	0.4	20
8	Higher-order nonstandard finite difference schemes for a MSEIR model for a malware propagation. Journal of Computational and Applied Mathematics, 2017, 317, 146-156.	1.1	20
9	Environmental Education in Environmental Engineering: Analysis of the Situation in Colombia and Latin America. Sustainability, 2020, 12, 7239.	1.6	20
10	From environmental education to education for sustainable development in higher education: a systematic review. International Journal of Sustainability in Higher Education, 2022, 23, 622-644.	1.6	20
11	Variable step length algorithms with high-order extrapolated non-standard finite difference schemes for a SEIR model. Journal of Computational and Applied Mathematics, 2018, 330, 848-854.	1.1	18
12	A Virus Infected Your Laptop. Let's Play an Escape Game. Mathematics, 2020, 8, 166.	1.1	16
13	CAS and real life problems to learn basic concepts in Linear Algebra course. Computer Applications in Engineering Education, 2015, 23, 567-577.	2.2	15
14	Advanced malware propagation on random complex networks. Neurocomputing, 2021, 423, 689-696.	3.5	13
15	Differential and Integral Calculus in First-Year Engineering Students: A Diagnosis to Understand the Failure. Mathematics, 2021, 9, 61.	1.1	9
16	Assessment Methods for Service-Learning Projects in Engineering in Higher Education: A Systematic Review. Frontiers in Psychology, 2021, 12, 629231.	1.1	8
17	Security Threats and Cryptographic Protocols for Medical Wearables. Mathematics, 2022, 10, 886.	1.1	8
18	Analysis of the efficiency of the Chor-Rivest cryptosystem implementation in a safe-parameter range. Information Sciences, 2009, 179, 4219-4226.	4.0	7

#	ARTICLE	IF	CITATIONS
19	Project-based teaching in Calculus courses: Estimation of the surface and perimeter of the Iberian Peninsula. <i>Computer Applications in Engineering Education</i> , 2018, 26, 1350-1361.	2.2	7
20	How Engineers Deal with Mathematics Solving Differential Equation. <i>Procedia Computer Science</i> , 2015, 51, 1977-1985.	1.2	6
21	The Use of Infrared Thermography to Develop and Assess a Wearable Sock and Monitor Foot Temperature in Diabetic Subjects. <i>Sensors</i> , 2021, 21, 1821.	2.1	6
22	Inclusion of Education for Sustainable Development in Environmental Engineering. A Systematic Review. <i>Sustainability</i> , 2021, 13, 10180.	1.6	6
23	Safer parameters for the Chor-Rivest cryptosystem. <i>Computers and Mathematics With Applications</i> , 2008, 56, 2883-2886.	1.4	5
24	A method for malware propagation in industrial critical infrastructures. <i>Integrated Computer-Aided Engineering</i> , 2016, 23, 255-268.	2.5	4
25	Evaluating engineering competencies: A new paradigm. , 2018, , .		4
26	Using Free Mathematical Software in Engineering Classes. <i>Axioms</i> , 2021, 10, 253.	0.9	4
27	Cryptography Adapted to the New European Area of Higher Education. <i>Lecture Notes in Computer Science</i> , 2008, , 706-714.	1.0	4
28	Large decryption exponents in RSA. <i>Applied Mathematics Letters</i> , 2003, 16, 293-295.	1.5	3
29	The Reuse of Waste Electrical and Electronic Equipment (WEEE). A Bibliometric Analysis. <i>International Journal of Waste Resources</i> , 2015, 05, .	0.2	3
30	A Cellular Automata Model for Mobile Worm Propagation. <i>Lecture Notes in Computer Science</i> , 2015, , 107-116.	1.0	3
31	A study on the efficiency and stability of high-order numerical methods for Form-II and Form-III of the nonlinear Klein-Gordon equations. <i>International Journal of Modern Physics C</i> , 2016, 27, 1650097.	0.8	3
32	Malware Propagation Models in Wireless Sensor Networks: A Review. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 648-657.	0.5	3
33	Looking for the Antidote for Contaminated Water: Learning Through an Escape Game. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 217-226.	0.5	3
34	Textile Engineering and Case Based Reasoning. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 423-431.	0.5	3
35	Numerical schemes for general Klein-Gordon equations with Dirichlet and nonlocal boundary conditions. <i>Nonlinear Analysis: Modelling and Control</i> , 2018, , 50-62.	1.1	3
36	Statistical Analysis from Time Series Related to Climate Data. <i>International Journal of Applied Physics and Mathematics</i> , 2013, , 203-207.	0.3	3

#	ARTICLE	IF	CITATIONS
37	Experiencias docentes de trabajo colaborativo en distintas Áreas de ciencias. Education in the Knowledge Society, 2011, 12, 133-146.	2.0	3
38	PROPAGATION CHARACTERISTICS OF THE DIVERGENCE OF ELEMENTARY CELLULAR AUTOMATA. International Journal of Modern Physics C, 2010, 21, 1263-1276.	0.8	2
39	Case Study: Online Learning for Design and Calculation of Machines. Frontiers in ICT, 2015, 2, .	3.6	2
40	Cryptographic Protocols in Wireless Sensor Networks: A Critical Review. Proceedings (mdpi), 2017, 1, 748.	0.2	2
41	Teaching and assessing discrete mathematics. , 2018, , .		2
42	Analysis of environmental sustainability educational approaches in engineering education.. , 2020, , .		2
43	Disclosure of Sensitive Information in the Virtual Learning Environment Moodle. Advances in Intelligent Systems and Computing, 2014, , 517-526.	0.5	2
44	A (2, n)-SECRET SHARING SCHEME BASED ON LINEAR CELLULAR AUTOMATA. International Journal of Modern Physics C, 2008, 19, 1529-1535.	0.8	1
45	Dimension of the intersection of a pair of orthogonal groups. International Journal of Computer Mathematics, 2009, 86, 1678-1683.	1.0	1
46	Snails, snakes, and first-order ordinary differential equations. , 2020, , 221-243.		1
47	Specific mathematical software to solve some problems. , 2020, , 327-347.		1
48	Compartmental Learning versus Joint Learning in Engineering Education. Mathematics, 2021, 9, 662.	1.1	1
49	Efficient high-order finite difference methods for nonlinear Kleinâ€Gordon equations. I: Variants of the phi-four model and the form-I of the nonlinear Kleinâ€Gordon equation. Nonlinear Analysis: Modelling and Control, 2015, 20, 274-290.	1.1	1
50	Using Software to Evaluate the Studentsâ€™ Knowledge and Acquired Skills in Mathematics. Literacy Information and Computer Education Journal, 2012, 3, 730-737.	0.1	1
51	Rules \$\$_\$\$ Math: Establishing Assessment Standards. Advances in Intelligent Systems and Computing, 2020, , 235-244.	0.5	1
52	A Review of SEIR-D Agent-Based Model. Advances in Intelligent Systems and Computing, 2020, , 133-140.	0.5	1
53	Blockchain in Education: New Challenges. Advances in Intelligent Systems and Computing, 2021, , 380-389.	0.5	1
54	The Evolution from the Environmental Education Model to the Education for Sustainable Development Model. Case Study of Environmental Engineering at Santo Tomas University, Colombia. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
55	Artificial intelligence in the construction of an adaptive pedagogical model for mathematics leveling. , 2021, , .		1
56	Cryptographic Properties of Second-Order Memory Elementary Cellular Automata. , 2008, , .		0
57	Cryptographic properties of Boolean functions defining elementary cellular automata. International Journal of Computer Mathematics, 2011, 88, 239-248.	1.0	0
58	Materials for a course in Calculus on several variables: An example of inter-university collaboration. , 2014, , .		0
59	A New Approach for Obtaining Bachelor's Degree by Technology Professionals. Procedia, Social and Behavioral Sciences, 2014, 116, 831-835.	0.5	0
60	A Learning Resource to Acquire Engineering Skills through Programming Languages. Procedia, Social and Behavioral Sciences, 2014, 116, 1305-1308.	0.5	0
61	Traceability of PrÃ©t Ã Porter Clothing through Cryptographic Protocols. Proceedings (mdpi), 2017, 1, .	0.2	0
62	Analysis of Professional Ethics in Engineering Undergraduate Degrees. Advances in Intelligent Systems and Computing, 2018, , 720-725.	0.5	0
63	Basic mathematics assessment in engineering degrees: Case study. , 2018, , .		0
64	Development of Competencies Applying the Project Method. Application in Environmental Engineering. Advances in Intelligent Systems and Computing, 2022, , 374-383.	0.5	0
65	Evaluation of Teaching and Learning Mathematics with Online Activities. International Journal of Learning, 2009, 16, 583-592.	0.1	0
66	A Virtual Collaborative Environment Helps University Students to Learn Maths. Lecture Notes in Business Information Processing, 2011, , 600-606.	0.8	0
67	Avoiding Sensitive Information Leakage in Moodle. Literacy Information and Computer Education Journal, 2013, Special 2, 1422-1432.	0.1	0
68	Spatio-Temporal Spreading of Mobile Malware: A Model Based on Difference Equations. Advances in Intelligent Systems and Computing, 2015, , 273-283.	0.5	0
69	An Individual-Based Model for Malware Propagation in Wireless Sensor Networks. Advances in Intelligent Systems and Computing, 2016, , 223-230.	0.5	0
70	New Perspectives in the Study of Advanced Persistent Threats. Advances in Intelligent Systems and Computing, 2018, , 242-244.	0.5	0
71	Nuevas bases para evaluar competencias de MatemÃ¡ticas: Rules_Math. , 2019, , 33-34.		0
72	Active Learning to Find the Key to Unlock Your Laptop. , 2022, , .		0