

# Araceli Queiruga-Dios

## List of Publications by Year in descending order

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Version: 2024-02-01

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	From environmental education to education for sustainable development in higher education: a systematic review. <i>International Journal of Sustainability in Higher Education</i> , 2022, 23, 622-644.	1.6	20
2	Development of Competencies Applying the Project Method. Application in Environmental Engineering. <i>Advances in Intelligent Systems and Computing</i> , 2022, , 374-383.	0.5	0
3	Security Threats and Cryptographic Protocols for Medical Wearables. <i>Mathematics</i> , 2022, 10, 886.	1.1	8
4	Active Learning to Find the Key to Unlock Your Laptop. , 2022, , .		0
5	Advanced malware propagation on random complex networks. <i>Neurocomputing</i> , 2021, 423, 689-696.	3.5	13
6	Compartmental Learning versus Joint Learning in Engineering Education. <i>Mathematics</i> , 2021, 9, 662.	1.1	1
7	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
8	Assessment Methods for Service-Learning Projects in Engineering in Higher Education: A Systematic Review. <i>Frontiers in Psychology</i> , 2021, 12, 629231.	1.1	8
9	Inclusion of Education for Sustainable Development in Environmental Engineering. A Systematic Review. <i>Sustainability</i> , 2021, 13, 10180.	1.6	6
10	Differential and Integral Calculus in First-Year Engineering Students: A Diagnosis to Understand the Failure. <i>Mathematics</i> , 2021, 9, 61.	1.1	9
11	Using Free Mathematical Software in Engineering Classes. <i>Axioms</i> , 2021, 10, 253.	0.9	4
12	Blockchain in Education: New Challenges. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 380-389.	0.5	1
13	Artificial intelligence in the construction of an adaptive pedagogical model for mathematics leveling. , 2021, , .		1
14	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
15	Traceability of Ready-to-Wear Clothing through Blockchain Technology. <i>Sustainability</i> , 2020, 12, 7491.	1.6	45
16	Snails, snakes, and first-order ordinary differential equations. , 2020, , 221-243.		1
17	Environmental Education in Environmental Engineering: Analysis of the Situation in Colombia and Latin America. <i>Sustainability</i> , 2020, 12, 7239.	1.6	20
18	Analysis of environmental sustainability educational approaches in engineering education.. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
19	Specific mathematical software to solve some problems. , 2020, , 327-347.		1
20	A New Individual-Based Model to Simulate Malware Propagation in Wireless Sensor Networks. Mathematics, 2020, 8, 410.	1.1	29
21	A Virus Infected Your Laptop. Let's Play an Escape Game. Mathematics, 2020, 8, 166.	1.1	16
22	Rules Math: Establishing Assessment Standards. Advances in Intelligent Systems and Computing, 2020, , 235-244.	0.5	1
23	A Review of SEIR-D Agent-Based Model. Advances in Intelligent Systems and Computing, 2020, , 133-140.	0.5	1
24	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
25	Review on Wearables to Monitor Foot Temperature in Diabetic Patients. Sensors, 2019, 19, 776.	2.1	27
26	Nuevas bases para evaluar competencias de Matemáticas: Rules_Math. , 2019, , 33-34.		0
27	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
28	Analysis of Professional Ethics in Engineering Undergraduate Degrees. Advances in Intelligent Systems and Computing, 2018, , 720-725.	0.5	0
29	Project-based teaching in Calculus courses: Estimation of the surface and perimeter of the Iberian Peninsula. Computer Applications in Engineering Education, 2018, 26, 1350-1361.	2.2	7
30	Teaching and assessing discrete mathematics. , 2018, , .		2
31	Basic mathematics assessment in engineering degrees: Case study. , 2018, , .		0
32	Evaluating engineering competencies: A new paradigm. , 2018, , .		4
33	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
34	Numerical schemes for general Klein-Gordon equations with Dirichlet and nonlocal boundary conditions. Nonlinear Analysis: Modelling and Control, 2018, , 50-62.	1.1	3
35	New Perspectives in the Study of Advanced Persistent Threats. Advances in Intelligent Systems and Computing, 2018, , 242-244.	0.5	0
36	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

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37	Malware Propagation Models in Wireless Sensor Networks: A Review. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 648-657.	0.5	3
38	Cryptographic Protocols in Wireless Sensor Networks: A Critical Review. <i>Proceedings (mdpi)</i> , 2017, 1, 748.	0.2	2
39	Traceability of PrÃ©t Ã Porter Clothing through Cryptographic Protocols. <i>Proceedings (mdpi)</i> , 2017, 1, .	0.2	0
40	A method for malware propagation in industrial critical infrastructures. <i>Integrated Computer-Aided Engineering</i> , 2016, 23, 255-268.	2.5	4
41	A study on the efficiency and stability of high-order numerical methods for Form-II and Form-III of the nonlinear Kleinâ€™Gordon equations. <i>International Journal of Modern Physics C</i> , 2016, 27, 1650097.	0.8	3
42	Textile Engineering and Case Based Reasoning. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 423-431.	0.5	3
43	An Individual-Based Model for Malware Propagation in Wireless Sensor Networks. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 223-230.	0.5	0
44	CAS and real life problems to learn basic concepts in Linear Algebra course. <i>Computer Applications in Engineering Education</i> , 2015, 23, 567-577.	2.2	15
45	The Reuse of Waste Electrical and Electronic Equipment (WEEE). A Bibliometric Analysis. <i>International Journal of Waste Resources</i> , 2015, 05, .	0.2	3
46	Case Study: Online Learning for Design and Calculation of Machines. <i>Frontiers in ICT</i> , 2015, 2, .	3.6	2
47	A Cellular Automata Model for Mobile Worm Propagation. <i>Lecture Notes in Computer Science</i> , 2015, , 107-116.	1.0	3
48	How Engineers Deal with Mathematics Solving Differential Equation. <i>Procedia Computer Science</i> , 2015, 51, 1977-1985.	1.2	6
49	Security and Practical Considerations When Implementing the Elliptic Curve Integrated Encryption Scheme. <i>Cryptologia</i> , 2015, 39, 244-269.	0.4	20
50	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. <i>Nonlinear Analysis: Modelling and Control</i> , 2015, 20, 274-290.	1.1	1
51	Spatio-Temporal Spreading of Mobile Malware: A Model Based on Difference Equations. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 273-283.	0.5	0
52	Materials for a course in Calculus on several variables: An example of inter-university collaboration. , 2014, , .		0
53	A New Approach for Obtaining Bachelor's Degree by Technology Professionals. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 116, 831-835.	0.5	0
54	A Learning Resource to Acquire Engineering Skills through Programming Languages. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 116, 1305-1308.	0.5	0

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55	Disclosure of Sensitive Information in the Virtual Learning Environment Moodle. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 517-526.	0.5	2
56	Statistical Analysis from Time Series Related to Climate Data. <i>International Journal of Applied Physics and Mathematics</i> , 2013, , 203-207.	0.3	3
57	Avoiding Sensitive Information Leakage in Moodle. <i>Literacy Information and Computer Education Journal</i> , 2013, Special 2, 1422-1432.	0.1	0
58	Numerical algorithms for diffusionâ€“reaction problems with non-classical conditions. <i>Applied Mathematics and Computation</i> , 2012, 218, 5487-5495.	1.4	22
59	Using Software to Evaluate the Studentsâ€™ Knowledge and Acquired Skills in Mathematics. <i>Literacy Information and Computer Education Journal</i> , 2012, 3, 730-737.	0.1	1
60	Cryptographic properties of Boolean functions defining elementary cellular automata. <i>International Journal of Computer Mathematics</i> , 2011, 88, 239-248.	1.0	0
61	A Virtual Collaborative Environment Helps University Students to Learn Maths. <i>Lecture Notes in Business Information Processing</i> , 2011, , 600-606.	0.8	0
62	Experiencias docentes de trabajo colaborativo en distintas Ã¡reas de ciencias. <i>Education in the Knowledge Society</i> , 2011, 12, 133-146.	2.0	3
63	Numerical solution of nonlinear singularly perturbed problems on nonuniform meshes by using a non-standard algorithm. <i>Journal of Mathematical Chemistry</i> , 2010, 48, 38-54.	0.7	35
64	PROPAGATION CHARACTERISTICS OF THE DIVERGENCE OF ELEMENTARY CELLULAR AUTOMATA. <i>International Journal of Modern Physics C</i> , 2010, 21, 1263-1276.	0.8	2
65	Dimension of the intersection of a pair of orthogonal groups. <i>International Journal of Computer Mathematics</i> , 2009, 86, 1678-1683.	1.0	1
66	Analysis of the efficiency of the Chorâ€“Rivest cryptosystem implementation in a safe-parameter range. <i>Information Sciences</i> , 2009, 179, 4219-4226.	4.0	7
67	Evaluation of Teaching and Learning Mathematics with Online Activities. <i>International Journal of Learning</i> , 2009, 16, 583-592.	0.1	0
68	Safer parameters for the Chorâ€“Rivest cryptosystem. <i>Computers and Mathematics With Applications</i> , 2008, 56, 2883-2886.	1.4	5
69	A (2, n)-SECRET SHARING SCHEME BASED ON LINEAR CELLULAR AUTOMATA. <i>International Journal of Modern Physics C</i> , 2008, 19, 1529-1535.	0.8	1
70	Cryptographic Properties of Second-Order Memory Elementary Cellular Automata. , 2008, , .		0
71	Cryptography Adapted to the New European Area of Higher Education. <i>Lecture Notes in Computer Science</i> , 2008, , 706-714.	1.0	4
72	Large decryption exponents in RSA. <i>Applied Mathematics Letters</i> , 2003, 16, 293-295.	1.5	3