

# Alicia GarcÃ-a-Holgado

## List of Publications by Year in descending order

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Version: 2024-02-01

113  
papers

1,099  
citations

759055

12  
h-index

713332

21  
g-index

118  
all docs

118  
docs citations

118  
times ranked

491  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perceived openness of Learning Management Systems by students and teachers in education and technology courses. <i>Computers in Human Behavior</i> , 2014, 31, 517-526.	5.1	56
2	Guidelines for performing Systematic Research Projects Reviews. <i>International Journal of Interactive Multimedia and Artificial Intelligence</i> , 2020, 6, 9.	1.0	55
3	Engaging women into STEM in Latin America. , 2019, , .		51
4	Validation of the learning ecosystem metamodel using transformation rules. <i>Future Generation Computer Systems</i> , 2019, 91, 300-310.	4.9	49
5	Architectural pattern to improve the definition and implementation of eLearning ecosystems. <i>Science of Computer Programming</i> , 2016, 129, 20-34.	1.5	47
6	Definition of a technological ecosystem for scientific knowledge management in a PhD programme. , 2015, , .		43
7	The evolution of the technological ecosystems. , 2013, , .		40
8	European Proposals to Work in the Gender Gap in STEM: A Systematic Analysis. <i>Revista Iberoamericana De Tecnologías Del Aprendizaje</i> , 2020, 15, 215-224.	0.7	34
9	Gender equality in STEM programs: a proposal to analyse the situation of a university about the gender gap. , 2020, , .		32
10	Technological Ecosystems in the Health Sector: a Mapping Study of European Research Projects. <i>Journal of Medical Systems</i> , 2019, 43, 100.	2.2	25
11	Gender and engineering: Developing actions to encourage women in tech. , 2018, , .		21
12	A Metamodel Proposal for Developing Learning Ecosystems. <i>Lecture Notes in Computer Science</i> , 2017, , 100-109.	1.0	20
13	Trends in studies developed in Europe focused on the gender gap in STEM. , 2019, , .		20
14	Architectural pattern for the definition of eLearning ecosystems based on Open Source developments. , 2014, , .		19
15	The PhD Corner. , 2018, , .		19
16	Learning computational thinking and social skills development in young children through problem solving with educational robotics. , 2019, , .		19
17	A Comparative Study on the Support in Engineering Courses: A Case Study in Brazil and Spain. <i>IEEE Access</i> , 2020, 8, 125179-125190.	2.6	19
18	Evaluation of an interactive educational system in urban knowledge acquisition and representation based on students' profiles. <i>Expert Systems</i> , 2020, 37, e12570.	2.9	18

#	ARTICLE	IF	CITATIONS
19	TEEM 2017 Doctoral Consortium Track. , 2017, , .		17
20	Actions to Promote Diversity in Engineering Studies: a Case Study in a Computer Science Degree. , 2019, , .		17
21	Pilot experience applying an active learning methodology in a software engineering classroom. , 2018, , .		16
22	Inclusion of gender perspective in Computer Engineering careers: Elaboration of a questionnaire to assess the gender gap in tertiary education. , 2018, , .		16
23	Improvement of Learning Outcomes in Software Engineering: Active Methodologies Supported Through the Virtual Campus. Revista Iberoamericana De Tecnologías Del Aprendizaje, 2021, 16, 143-153.	0.7	16
24	Mapping the systematic literature studies about software ecosystems. , 2018, , .		14
25	Analysis and Improvement of Knowledge Management Processes in Organizations Using the Business Process Model Notation. Lecture Notes in Business Information Processing, 2015, , 93-101.	0.8	14
26	Track 16. , 2019, , .		14
27	Usability Evaluation of a Private Social Network on Mental Health for Relatives. Journal of Medical Systems, 2017, 41, 137.	2.2	13
28	A Model to Define an eHealth Technological Ecosystem for Caregivers. Advances in Intelligent Systems and Computing, 2019, , 422-432.	0.5	12
29	Application of Artificial Intelligence Algorithms Within the Medical Context for Non-Specialized Users: the CARTIER-IA Platform. International Journal of Interactive Multimedia and Artificial Intelligence, 2021, 6, 46.	1.0	12
30	Exploring factors influencing pre-service and in-service teachers' perception of digital competencies in the Chinese region of Anhui. Education and Information Technologies, 2022, 27, 12469-12494.	3.5	12
31	Gender gap in the STEM sector in pre and university studies of Europe associated with ethnic factors. , 2018, , .		11
32	Analyzing the usability of the WYRED Platform with undergraduate students to improve its features. Universal Access in the Information Society, 2019, 18, 455-468.	2.1	11
33	C4 model in a Software Engineering subject to ease the comprehension of UML and the software. , 2020, , .		11
34	Planificación, comunicación y metodologías activas: Evaluación online de la asignatura ingeniería de software durante la crisis del COVID-19. RIED: Revista Iberoamericana De Educación A Distancia, 2021, 24, 41.	0.8	10
35	Opiniones y percepciones sobre los estudios superiores STEM: un estudio de caso exploratorio en España. Education in the Knowledge Society, 0, 23, .	2.0	10
36	Strategies to introduce gender perspective in Engineering studies: a proposal based on self-diagnosis. , 2020, , .		9

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37	Technological Ecosystems in Citizen Science: A Framework to Involve Children and Young People. Sustainability, 2020, 12, 1863.	1.6	9
38	Analysis of knowledge management experiences in spanish public administration. , 2015, , .		8
39	Preliminary validation of the metamodel for developing learning ecosystems. , 2017, , .		8
40	A Meta-Model Integration for Supporting Knowledge Discovery in Specific Domains: A Case Study in Healthcare. Sensors, 2020, 20, 4072.	2.1	8
41	Modelling the business structure of a digital health ecosystem. , 2019, , .		8
42	Promoting Open Education Through Gamification in Higher Education: the OpenGame project. , 2020, , .		8
43	Knowledge management ecosystem based on drupal platform for promoting the collaboration between public administrations. , 2014, , .		7
44	Education in the knowledge society doctoral consortium. , 2016, , .		7
45	Psychiatric Patients Tracking Through a Private Social Network for Relatives: Development and Pilot Study. Journal of Medical Systems, 2016, 40, 172.	2.2	7
46	Trends in European research projects focused on technological ecosystems in the health sector. , 2018, , .		7
47	Introduction for the TEEM 2020 Doctoral Consortium track. , 2020, , .		7
48	Towards equality in higher education. , 2018, , .		6
49	Dashboard Meta-Model for Knowledge Management in Technological Ecosystem: A Case Study in Healthcare. Proceedings (mdpi), 2019, 31, 44.	0.2	6
50	Analysis of instruments focused on gender gap in STEM education. , 2019, , .		6
51	Interviews of Spanish women in STEM: a multimedia analysis about their experiences. , 2020, , .		6
52	Multimedia Analysis of Spanish Female Role Models in Science, Technology, Engineering and Mathematics. Sustainability, 2021, 13, 12612.	1.6	6
53	CreaSTEAM. Towards the improvement of diversity gaps through the compilation of projects, best practices and STEAM-Lab spaces. , 2021, , .		6
54	A Model for Bridging the Gender Gap in STEM in Higher Education Institutions. Lecture Notes in Educational Technology, 2022, , 1-19.	0.5	6

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55	University students's views regarding gender in STEM studies: Design and validation of an instrument. Education and Information Technologies, 2022, 27, 12301-12336.	3.5	6
56	Formal and informal learning experiences in multicultural scopes. , 2013, , .		5
57	Using the TRAILER tool for managing informal learning in academic and professional contexts. , 2013, , .		5
58	A Tool to Aid Institutions Recognize Their Employees Competences Acquired by Informal Learning. Lecture Notes in Computer Science, 2013, , 552-555.	1.0	5
59	Bridging the diversity gap in STEM. , 2019, , .		5
60	Proof of a concept of an information visualization classification approach based on their fine-grained features. Expert Systems, 2023, 40, e12872.	2.9	5
61	Pilot study on university students' opinion about STEM studies at higher education. , 2020, , .		5
62	Bringing machine learning closer to non-experts: proposal of a user-friendly machine learning tool in the healthcare domain. , 2021, , .		5
63	Learning European history and geography in a multicultural and ICT perspective. International Journal of Technology Enhanced Learning, 2011, 3, 343.	0.4	4
64	Study of the Usability of the Private Social Network SocialNet using Heuristic Evaluation. , 2016, , .		4
65	Analyzing navigation logs in MOOC. , 2016, , .		4
66	The experience of women students in engineering and mathematics careers: a focus group study. , 2021, , .		4
67	Usability Test of WYRED Platform. Lecture Notes in Computer Science, 2018, , 73-84.	1.0	4
68	Mixed methods and visual representation of data with CAQDAS. , 2019, , .		4
69	Definición de ecosistemas de aprendizaje independientes de plataforma - [Definición de ecosistemas de aprendizaje independientes de plataforma]. , 2017, , .		4
70	TRAILER. International Journal of Human Capital and Information Technology Professionals, 2014, 5, 1-17.	0.5	4
71	Mentoring for future female engineers: pilot at the Higher Polytechnic School of Zamora. , 2021, , .		4
72	User-Centered Design Approach for a Machine Learning Platform for Medical Purpose. Communications in Computer and Information Science, 2021, , 237-249.	0.4	4

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73	A Review and Comparative Study of Teacher's Digital Competence Frameworks. Advances in Human and Social Aspects of Technology Book Series, 2021, , 51-71.	0.3	3
74	Usability Study of CARTIER-IA: A Platform for Medical Data and Imaging Management. Lecture Notes in Computer Science, 2021, , 374-384.	1.0	3
75	Gender gap perceptions of computing students: a case study in two Spanish universities. , 2020, , .		3
76	A Study to Analyze the Digital Competence of Pre-service Teachers and In-service Teachers in China. , 2020, , .		3
77	An introduction to TEEM 2021 Track 15: The Doctoral Consortium. , 2021, , .		3
78	Inclusion of the students in schools with an intercultural profile. , 2018, , .		2
79	Guest Editorial Diversity and Equity in STEM. Revista Iberoamericana De Tecnologias Del Aprendizaje, 2020, 15, 202-204.	0.7	2
80	Perception of the gender gap in computer engineering studies: a comparative study in Peru and Argentina. , 2020, , .		2
81	Empowering Young Women in the Caribbean Region in Stem. , 2021, , .		2
82	Introduction of the gender perspective in the university teaching: a study about inclusive language in Spanish. , 2021, , .		2
83	Gender gap in the Digital Society. , 2019, , .		2
84	Gaming for Social Inclusion and Civic Participation: the INGAME project. , 2021, , .		2
85	Characterization of Spaces and Didactic Units for the Improvement of Diversity Gaps. Lecture Notes in Computer Science, 2022, , 335-346.	1.0	2
86	Heuristic evaluation of socialnet, the private social network for psychiatric patients and their relatives. , 2016, , .		1
87	Delphi study to identify the young people priorities about digital society. , 2018, , .		1
88	Study of the Usability of the WYRED Ecosystem Using Heuristic Evaluation. Lecture Notes in Computer Science, 2019, , 50-63.	1.0	1
89	Diversity and Equity in STEM: Second Part. Revista Iberoamericana De Tecnologias Del Aprendizaje, 2020, 15, 314-316.	0.7	1
90	A Meta-modeling Approach to Take into Account Data Domain Characteristics and Relationships in Information Visualizations. Advances in Intelligent Systems and Computing, 2021, , 570-580.	0.5	1

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91	Gender and STEAM as part of the MOOC STEAM4ALL. , 2021, , .		1
92	Strategies to gender mainstreaming in Engineering studies. , 2021, , .		1
93	Young People Participation in the Digital Society: A Case Study in Brazil. Advances in Intelligent Systems and Computing, 2020, , 347-356.	0.5	1
94	Percepción de los estereotipos de género asociados al uso de Internet en estudiantes de pedagogía. , 2019, , .		1
95	COEDU-IN Project: an inclusive co-educational project for teaching computational thinking and digital skills at early ages. , 2021, , .		1
96	Age influence in gender stereotypes related to Internet use in young people. , 2019, , .		1
97	Learning ecosystems for health professionals in the hospital environment. , 2020, , .		1
98	Educational initiatives for bridging the diversity gap in STEM. , 2021, , .		1
99	A pilot study about the perception of experts in engineering education. , 2021, , .		1
100	The role of sexuality in initial teacher training: Sex education as an educational strategy. , 2021, , .		1
101	SWOT analysis of the Mi Compu.MX ICT skills simulator. , 2016, , .		0
102	Data Exploitation Model in a Health Ecosystem to Support Formal and Informal Caregivers. Proceedings (mdpi), 2019, 31, .	0.2	0
103	A meta-model to develop learning ecosystems with support for knowledge discovery and decision-making processes. , 2020, , .		0
104	Rompiendo brechas: propuesta de orientación sociolaboral con víctimas de violencia de género. Revista Latina De Sociología, 2021, 9, 24-58.	0.1	0
105	Learning Object Model and Framework Design for the Digital Modules Production. , 2013, , 28-36.		0
106	Multicultural Approach to Learning History and Geography at School in Europe. , 2013, , 1-8.		0
107	Today's Children Tomorrow's Changemakers: educational resources to develop entrepreneurial skills. , 2021, , .		0
108	Preliminary study about the support perception of engineering students in Spain according to their speciality. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
109	An Online Sales System to Be Managed by People with Mental Illness. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 600-611.	0.5	0
110	The Physical Space and the Development of Creativity in Peruvian Early Childhood Education: A Case Study in Arequipa. <i>International Journal of Learning, Teaching and Educational Research</i> , 2020, 19, 203-213.	0.3	0
111	A Dashboard to Support Decision-Making Processes in Learning Ecosystems. , 2020, , .		0
112	An experience with Microsoft Teams to improve the interaction with the students. , 2021, , .		0
113	Fostering Decision-Making Processes in Health Ecosystems Through Visual Analytics and Machine Learning. <i>Lecture Notes in Computer Science</i> , 2022, , 262-273.	1.0	0