

Michail Kalogiannakis

List of Publications by Year in descending order

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Version: 2024-02-01

119
papers

2,782
citations

185998
28
h-index

223531
46
g-index

122
all docs

122
docs citations

122
times ranked

1122
citing authors

#	ARTICLE	IF	CITATIONS
1	Gamification in Science Education. A Systematic Review of the Literature. <i>Education Sciences</i> , 2021, 11, 22.	1.4	185
2	Developing fundamental programming concepts and computational thinking with ScratchJr in preschool education: a case study. <i>International Journal of Mobile Learning and Organisation</i> , 2016, 10, 187.	0.2	165
3	Educational apps from the Android Google Play for Greek preschoolers: A systematic review. <i>Computers and Education</i> , 2018, 116, 139-160.	5.1	137
4	Mobile educational applications for children: what educators and parents need to know. <i>International Journal of Mobile Learning and Organisation</i> , 2017, 11, 256.	0.2	130
5	Using Mobile Devices for Teaching Realistic Mathematics in Kindergarten Education. <i>Creative Education</i> , 2013, 04, 1-10.	0.2	111
6	Parental involvement and attitudes towards young Greek children's mobile usage. <i>International Journal of Child-Computer Interaction</i> , 2019, 22, 100144.	2.5	82
7	Designing and creating an educational app rubric for preschool teachers. <i>Education and Information Technologies</i> , 2017, 22, 3147-3165.	3.5	81
8	Training with ICT for ICT from the trainee's perspective. A local ICT teacher training experience. <i>Education and Information Technologies</i> , 2010, 15, 3-17.	3.5	74
9	The effectiveness of computer and tablet assisted intervention in early childhood students' understanding of numbers. An empirical study conducted in Greece. <i>Education and Information Technologies</i> , 2018, 23, 1849-1871.	3.5	71
10	Evaluating pre-service kindergarten teachers' intention to adopt and use tablets into teaching practice for natural sciences. <i>International Journal of Mobile Learning and Organisation</i> , 2019, 13, 113.	0.2	67
11	Improving Mathematics Teaching in Kindergarten with Realistic Mathematical Education. <i>Early Childhood Education Journal</i> , 2017, 45, 369-378.	1.6	63
12	Comparing Tablets and PCs in teaching Mathematics: An attempt to improve Mathematics Competence in Early Childhood Education. <i>Preschool and Primary Education</i> , 2016, 4, 241.	0.2	62
13	Tablets and apps for promoting robotics, mathematics, STEM education and literacy in early childhood education. <i>International Journal of Mobile Learning and Organisation</i> , 2020, 14, 255.	0.2	58
14	Attitudes towards the Use of Educational Robotics: Exploring Pre-Service and In-Service Early Childhood Teacher Profiles. <i>Education Sciences</i> , 2021, 11, 204.	1.4	58
15	Using Scratch and App Inventor for teaching introductory programming in secondary education. A case study. <i>International Journal of Technology Enhanced Learning</i> , 2016, 8, 217.	0.4	52
16	Teaching natural science concepts to young children with mobile devices and hands-on activities. A case study. <i>International Journal of Teaching and Case Studies</i> , 2018, 9, 171.	0.1	52
17	The Appropriateness of Scratch and App Inventor as Educational Environments for Teaching Introductory Programming in Primary and Secondary Education. <i>International Journal of Web-Based Learning and Teaching Technologies</i> , 2017, 12, 58-77.	0.6	48
18	Teaching mathematics with mobile devices and the Realistic Mathematical Education (RME) approach in kindergarten. <i>Advanced Journal of Nursing</i> , 2021, 1, 5-18.	1.5	45

#	ARTICLE	IF	CITATIONS
19	Combining mobile technologies in environmental education: a Greek case study. <i>International Journal of Mobile Learning and Organisation</i> , 2017, 11, 108.	0.2	44
20	Exploring the Use of Educational Robotics in Primary School and Its Possible Place in the Curricula. <i>Studies in Computational Intelligence</i> , 2021, , 216-229.	0.7	43
21	Teaching Magnetism to Preschool Children: The Effectiveness of Picture Story Reading. <i>Early Childhood Education Journal</i> , 2018, 46, 535-546.	1.6	42
22	Introducing fundamental object-oriented programming concepts in preschool education within the context of physical science courses. <i>Education and Information Technologies</i> , 2018, 23, 2673-2698.	3.5	42
23	Developing and Exploring an Evaluation Tool for Educational Apps (E.T.E.A.) Targeting Kindergarten Children. <i>Sustainability</i> , 2020, 12, 4201.	1.6	42
24	The management of Digital Learning Objects of Natural Sciences and Digital Experiment Simulation Tools by teachers. <i>Advanced Journal of Nursing</i> , 2021, 1, 58-71.	1.5	40
25	Using Gamification for Supporting an Introductory Programming Course. The Case of ClassCraft in a Secondary Education Classroom. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018, , 366-375.	0.2	39
26	Novice Programming Environments. Scratch & App Inventor. , 2014, , .		38
27	Education of preschool and elementary teachers on the use of adaptive gamification in science education. <i>International Journal of Technology Enhanced Learning</i> , 2022, 14, 1.	0.4	38
28	Factors That Hinder in-Service Teachers from Incorporating Educational Robotics into Their Daily or Future Teaching Practice. , 2021, , .		37
29	Moodle as a Learning Environment in Promoting Conceptual Understanding for Secondary School Students. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> , 2013, 9, .	0.7	36
30	Parents' Perceptions of Educational Apps Use for Kindergarten Children: Development and Validation of a New Instrument (PEAU-p) and Exploration of Parents' Profiles. <i>Behavioral Sciences (Basel)</i> , 2021, 10, 10.	0.0	35
31	The Use of Developmentally Mobile Applications for Preparing Pre-Service Teachers to Promote STEM Activities in Preschool Classrooms. <i>Advances in Educational Technologies and Instructional Design Book Series</i> , 2020, , 82-100.	0.2	34
32	Evaluating the Learning Process: The Educational Game Case Study. , 2020, , .		32
33	Evaluating the effectiveness of a game-based learning approach in modifying students' behavioural outcomes and competence, in an introductory programming course. A case study in Greece. <i>International Journal of Teaching and Case Studies</i> , 2019, 10, 235.	0.1	31
34	Astronomy in Early Childhood Education: A Concept-Based Approach. <i>Early Childhood Education Journal</i> , 2016, 44, 169-179.	1.6	30
35	Evaluating a course for teaching introductory programming with Scratch to pre-service kindergarten teachers. <i>International Journal of Technology Enhanced Learning</i> , 2019, 11, 231.	0.4	28
36	Evaluating Moodle use via Smart Mobile Phones. A case study in a Greek University. <i>EAI Endorsed Transactions on Creative Technologies</i> , 2018, 5, 156382.	1.0	26

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37	A Research Synthesis of the Real Value of Self-Proclaimed Mobile Educational Applications for Young Children. <i>Advances in Educational Technologies and Instructional Design Book Series</i> , 2020, , 1-19.	0.2	24
38	An Overview of Mobile Learning for Refugee Students: Juxtaposing Refugee Needs with Mobile Applicationsâ€™ Characteristics. <i>Challenges</i> , 2020, 11, 31.	0.9	22
39	in-Game Raw Data Collection and Visualization in the Context of the "ThimelEdu" Educational Game. <i>Communications in Computer and Information Science</i> , 2020, , 629-646.	0.4	21
40	Access Moodle Using Smart Mobile Phones. A Case Study in a Greek University. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018, , 376-385.	0.2	20
41	Generating Education in-Game Data: The Case of an Ancient Theatre Serious Game. , 2019, , .		20
42	Deepening Our Knowledge about Sustainability Education in the Early Years: Lessons from a Water Project. <i>Education Sciences</i> , 2021, 11, 251.	1.4	19
43	Investigating Teachers' Attitudes and Behavioral Intentions for the Impending Integration of STEM Education in Primary Schools. <i>Advances in Educational Technologies and Instructional Design Book Series</i> , 2021, , 235-256.	0.2	18
44	Tablets and apps for promoting robotics, mathematics, STEM education and literacy in early childhood education. <i>International Journal of Mobile Learning and Organisation</i> , 2020, 14, 255.	0.2	18
45			
46	Evaluating pre-service kindergarten teachers' intention to adopt and use tablets into teaching practice for natural sciences. <i>International Journal of Mobile Learning and Organisation</i> , 2019, 13, 113.	0.2	17
47	Using Scratch and App Inventor for teaching introductory programming in Secondary Education. A case study.. <i>International Journal of Technology Enhanced Learning</i> , 2016, 1, 1.	0.4	15
48	The teaching of Natural Sciences in kindergarten based on the principles of STEM and STEAM approach. <i>Advanced Journal of Nursing</i> , 2022, 2, 268-277.	1.5	15
49	Evaluating a Course for Teaching Advanced Programming Concepts with Scratch to Preservice Kindergarten Teachers: A Case Study in Greece. , 2019, , .		14
50	Combining mobile technologies in environmental education: a Greek case study. <i>International Journal of Mobile Learning and Organisation</i> , 2017, 11, 108.	0.2	14
51	Action Research Implementation in Developing an Open Source and Low Cost Robotic Platform for STEM Education. <i>International Journal of Computer Applications</i> , 2019, 178, 33-46.	0.2	14
52	An Educational Model for Asynchronous E-Learning. A Case Study in a Higher Technology Education. <i>International Journal of Advanced Corporate Learning</i> , 2010, 3, 32.	0.5	14
53	Mobile Learning Applications for Refugees: A Systematic Literature Review. <i>Education Sciences</i> , 2022, 12, 96.	1.4	14
54	A Study of the Impact of Arduino and Visual Programming In Self-Efficacy, Motivation, Computational Thinking and 5th Grade Studentsâ€™ Perceptions on Electricity. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> , 2021, 17, em1960.	0.7	13

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55	Evaluating a course for teaching introductory programming with Scratch to pre-service kindergarten teachers. <i>International Journal of Technology Enhanced Learning</i> , 2019, 11, 231.	0.4	13
56	Adult Education and Lifelong Learning. The case of GSAE (General Secretary for Adult Education) in Greece. <i>International Journal of Advanced Corporate Learning</i> , 2009, 2, 15.	0.5	13
57	Innovative Robot for Educational Robotics and STEM. <i>Lecture Notes in Computer Science</i> , 2020, , 95-104.	1.0	12
58	The Appropriateness of Scratch and App Inventor as Educational Environments for Teaching Introductory Programming in Primary and Secondary Education. , 2019, , 797-819.		12
59	Assessing Algorithmic Thinking Skills in Relation to Age in Early Childhood STEM Education. <i>Education Sciences</i> , 2022, 12, 380.	1.4	12
60	'Interactive evaluation' of an e-learning course within the context of blended education. <i>International Journal of Technology Enhanced Learning</i> , 2017, 9, 339.	0.4	11
61	DuBot. <i>Advances in Educational Technologies and Instructional Design Book Series</i> , 2021, , 441-465.	0.2	11
62	Exploring Preservice Teachers' Attitudes About the Usage of Educational Robotics in Preschool Education. <i>Advances in Early Childhood and K-12 Education</i> , 2020, , 339-355.	0.2	11
63	A Novel, Modular Robot for Educational Robotics Developed Using Action Research Evaluated on Technology Acceptance Model. <i>Education Sciences</i> , 2022, 12, 274.	1.4	11
64	A Virtual Learning Environment for the French Physics Teachers. <i>Education and Information Technologies</i> , 2004, 9, 345-353.	3.5	10
65	An analysis of first year engineering students' satisfaction with a support distance learning program in mathematics. <i>Education and Information Technologies</i> , 2018, 23, 869-891.	3.5	10
66	Learning Computational Thinking Development in Young Children With Bee-Bot Educational Robotics. <i>Advances in Early Childhood and K-12 Education</i> , 2020, , 289-309.	0.2	10
67	Teachers' Attitudes on the Use of Educational Robotics in Primary School. <i>Lecture Notes in Educational Technology</i> , 2022, , 257-283.	0.5	10
68	Mobile educational applications for children. What educators and parents need to know.. <i>International Journal of Mobile Learning and Organisation</i> , 2017, 11, 1.	0.2	9
69	A Comparison of Turkish and Greek Parental Mediation Strategies for Digital Games for Children During the COVID-19 Pandemic. <i>Lecture Notes in Educational Technology</i> , 2022, , 555-588.	0.5	9
70	Ontological modeling of educational resources: a proposed implementation for Greek schools. <i>Education and Information Technologies</i> , 2017, 22, 1737-1755.	3.5	7
71	Emotions Experienced by Learners and their Development through Communication with the Tutor-Counsellor. <i>The Journal of Open Distance and E Learning</i> , 2015, 18, 36-48.	0.3	7
72	Evaluating the effectiveness of a game-based learning approach in modifying students' behavioural outcomes and competence, in an introductory programming course. A case study in Greece. <i>International Journal of Teaching and Case Studies</i> , 2019, 10, 235.	0.1	7

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73	Critical reflections on introducing e-learning within a blended education context. International Journal of Technology Enhanced Learning, 2019, 11, 413.	0.4	6
74	Learning Computational Thinking Development in Young Children With Bee-Bot Educational Robotics. , 2022, , 926-947.		6
75	DuBot. , 2021, , 329-353.		5
76	Exploring Preservice Teachers' Attitudes About the Usage of Educational Robotics in Preschool Education. , 2022, , 807-823.		5
77	Introducing Computational Thinking Unplugged in Early Childhood Education Within the Context of Physical and Natural Science Courses. Advances in Educational Technologies and Instructional Design Book Series, 2020, , 164-190.	0.2	5
78	Teaching natural science concepts to young children with mobile devices and hands-on activities. A case study. International Journal of Teaching and Case Studies, 2018, 9, 171.	0.1	5
79	Analysis of a Moodle-based training program about the Pedagogical Content Knowledge of Evolution Theory and Natural Selection. World Journal of Education, 2016, 7, 14.	0.2	4
80	From being one-sided to being diverse: the use of e-portofolio as a tool in distance learning of environmental issues for young children. International Journal of Teaching and Case Studies, 2017, 8, 319.	0.1	4
81	Digital Student Conference Platform Implementation: The case study of the "Research Project" course. The Journal for Open and Distance Education and Educational Technology, 2016, 12, 5.	0.2	4
82	Measuring the Impact on Student's Computational Thinking Skills Through STEM and Educational Robotics Project Implementation. Advances in Early Childhood and K-12 Education, 2020, , 238-288.	0.2	4
83	Algorithmic Thinking Skills in Early Childhood Education. Advances in Early Childhood and K-12 Education, 2020, , 104-139.	0.2	3
84	Virtual Teachers' Toolbox "An Innovative Tool to Assist the Creation of High Quality Open Distance Learning Courses. , 2018, , .		3
85	The VTT-BOX, Pedagogical and Quality Considerations. , 2019, , .		3
86	Critical reflections on introducing e-learning within a blended education context. International Journal of Technology Enhanced Learning, 2019, 11, 413.	0.4	3
87	Assessing Algorithmic Thinking Skills in Early Childhood Education. Advances in Early Childhood and K-12 Education, 2020, , 104-139.	0.2	3
88	Employing Mobile Technologies to Investigate the Association Between Abstraction Skills and Performance in Environmental Studies in Early Primary School. International Journal of Interactive Mobile Technologies, 2022, 16, 241-249.	0.7	3
89	Information and Communication Technologies in Class Practice: A Case Study of Secondary Physical Sciences Teachers. Cyfrwng: Media Wales Journal, 2003, 12, 64-74.	0.4	2
90	Learning History Through Location-Based Games: The Fortification Gates of the Venetian Walls of the City of Heraklion. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 510-519.	0.2	2

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91	Learning by playing: An LBG for the Fortification Gates of the Venetian walls of the city of Heraklion. EAI Endorsed Transactions on Creative Technologies, 2018, 5, 156773.	1.0	2
92	An advanced Physical Computing - based Educational Robot Platform evaluated by Technology Acceptance Model. , 2022, , .		2
93	Nouvelles formes de communication, nouveau métier pour les enseignants?. Educational Media International, 2004, 41, 339-345.	0.9	1
94	95.	0.2	1
95	Enhancing Learning Management Systems (LMS) with the use of Web Technologies. , 2016, 7, .	0.0	1
96	From being one-sided to being diverse: the use of e-portofolio as a tool in distance learning of environmental issues for young children. International Journal of Teaching and Case Studies, 2017, 8, 319.	0.1	1
97	Training the Mind: The GARDINER Platform. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 347-356.	0.2	1
98	Emotional Intelligence Development in Tourism Education and Training Through Digital Technologies. Lecture Notes in Networks and Systems, 2022, , 149-159.	0.5	1
99	Education of preschool and elementary teachers on the use of adaptive gamification in science education. International Journal of Technology Enhanced Learning, 2022, 14, 1.	0.4	1
100	An Investigation of the Acceptance and Success of Web Conferencing Technologies in Tourism Higher Education During the COVID-19 Pandemic. Springer Proceedings in Business and Economics, 2022, , 427-443.	0.3	1
101	Gamification Techniques Capitalizing on State-of-the-Art Technologies. Advances in Human and Social Aspects of Technology Book Series, 2022, , 206-229.	0.3	1
102	Enhancing learning management systems towards adaptivity: a case study. International Journal of Teaching and Case Studies, 2015, 6, 108.	0.1	0
103	Measuring e-learning readiness: the case of Palestinian public secondary schools. International Journal of Technology Enhanced Learning, 2017, 9, 319.	0.4	0
104	Introducing Computational Thinking Unplugged in Early Childhood Education Within the Context of Physical and Natural Science Courses. , 2022, , 197-222.		0
105	Assessing Algorithmic Thinking Skills in Early Childhood Education. , 2022, , 488-523.		0
106		0.6	0
107	'Interactive evaluation' of an e-learning course within the context of blended education. International Journal of Technology Enhanced Learning, 2017, 9, 339.	0.4	0
108			0

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109	...		
110	...	0.0	0
111	Facilitating Learning in Isolated Places Through an Autonomous LMS. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 357-365.	0.2	0
112	...		
113	...		
114	...		
115	...	0.2	0
116	...		
117	...		
118	...		
119	Teaching Ancient Greek Theatre Through In-Game Exploration. Advances in Human and Social Aspects of Technology Book Series, 2022, , 186-205.	0.3	0