

# Eleni E Mangina

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8795889/publications.pdf>

Version: 2024-02-01

75  
papers

1,520  
citations

430874

18  
h-index

361022

35  
g-index

79  
all docs

79  
docs citations

79  
times ranked

1214  
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning Outcomes of Immersive Technologies in Health Care Student Education: Systematic Review of the Literature. <i>Journal of Medical Internet Research</i> , 2022, 24, e30082.	4.3	44
2	Forecast electricity demand in commercial building with machine learning models to enable demand response programs. <i>Energy and AI</i> , 2022, 7, 100121.	10.6	44
3	Enhancing energy management in grid-interactive buildings: A comparison among cooperative and coordinated architectures. <i>Applied Energy</i> , 2022, 310, 118497.	10.1	17
4	Accurate identification of influential building parameters through an integration of global sensitivity and feature selection techniques. <i>Applied Energy</i> , 2022, 315, 118956.	10.1	18
5	An ensemble learning-based framework for assessing the energy flexibility of residential buildings with multicomponent energy systems. <i>Applied Energy</i> , 2022, 315, 118947.	10.1	12
6	The Potential of AR Solutions for Behavioral Learning: A Scoping Review. <i>Computers</i> , 2022, 11, 87.	3.3	7
7	Phenotyping for waterlogging tolerance in crops: current trends and future prospects. <i>Journal of Experimental Botany</i> , 2022, 73, 5149-5169.	4.8	23
8	Capturing crop adaptation to abiotic stress using image-based technologies. <i>Open Biology</i> , 2022, 12, .	3.6	18
9	Adoption of Responsible Research and Innovation in Citizen Observatories. <i>Sustainability</i> , 2022, 14, 7379.	3.2	3
10	Data-driven predictive control for unlocking building energy flexibility: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110120.	16.4	147
11	Exploring the effect of an augmented reality literacy programme for reading and spelling difficulties for children diagnosed with ADHD. <i>Virtual Reality</i> , 2021, 25, 879-894.	6.1	24
12	A fundamental unified framework to quantify and characterise energy flexibility of residential buildings with multiple electrical and thermal energy systems. <i>Applied Energy</i> , 2021, 282, 116096.	10.1	49
13	Exploring the Real-Time Touchless Hand Interaction and Intelligent Agents in Augmented Reality Learning Applications. , 2021, , .		10
14	Evaluation Design Methodology for an AR App for English Literacy Skills. , 2021, , .		5
15	REVIEW OF LEARNING ANALYTICS AND EDUCATIONAL DATA MINING APPLICATIONS. , 2021, , .		2
16	Review of urban building energy modeling (UBEM) approaches, methods and tools using qualitative and quantitative analysis. <i>Energy and Buildings</i> , 2021, 246, 111073.	6.7	97
17	Feature assessment frameworks to evaluate reduced-order grey-box building energy models. <i>Applied Energy</i> , 2021, 298, 117174.	10.1	15
18	Fully Automated Breast Density Segmentation and Classification Using Deep Learning. <i>Diagnostics</i> , 2020, 10, 988.	2.6	45

#	ARTICLE	IF	CITATIONS
19	A data-driven approach for multi-scale GIS-based building energy modeling for analysis, planning and support decision making. Applied Energy, 2020, 279, 115834.	10.1	72
20	Work-in-Progress“Adapting a Virtual Reality Anatomy Teaching Tool for Mobility: Pilot Study. , 2020, , .		8
21	A framework for uncertainty quantification in building heat demand simulations using reduced-order grey-box energy models. Applied Energy, 2020, 275, 115141.	10.1	30
22	Data analytics for sustainable global supply chains. Journal of Cleaner Production, 2020, 255, 120300.	9.3	17
23	A data-driven approach to optimize urban scale energy retrofit decisions for residential buildings. Applied Energy, 2020, 267, 114861.	10.1	67
24	Identification of the Students Learning Process During Education Robotics Activities. Frontiers in Robotics and AI, 2020, 7, 21.	3.2	16
25	A Centralised Soft Actor Critic Deep Reinforcement Learning Approach to District Demand Side Management through CityLearn. , 2020, , .		10
26	Work-in-progress“ARETE - An Interactive Educational System using Augmented Reality. , 2020, , .		6
27	Optimising Supply Chain Logistics System Using Data Analytics Techniques. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 77-91.	0.3	0
28	Self-Learning Control Algorithms for Energy Systems Integration in the Residential Building Sector. , 2019, , .		2
29	Regulation Aware Dynamic Spectrum Access Recommendation System. , 2019, , .		0
30	A data-driven approach for multi-scale building archetypes development. Energy and Buildings, 2019, 202, 109364.	6.7	45
31	SimApi, a smartgrid co-simulation software platform for benchmarking building control algorithms. SoftwareX, 2019, 9, 271-281.	2.6	21
32	The AHA Project: An Evidence-Based Augmented Reality Intervention for the Improvement of Reading and Spelling Skills in Children with ADHD. Lecture Notes in Computer Science, 2019, , 436-439.	1.3	3
33	Exploring the Use of Augmented Reality in a Kinesthetic Learning Application Integrated with an Intelligent Virtual Embodied Agent. , 2019, , .		8
34	Comparative analysis of prediction algorithms for building energy usage prediction at an urban scale. Journal of Physics: Conference Series, 2019, 1343, 012001.	0.4	3
35	UAV Bridge Inspection through Evaluated 3D Reconstructions. Journal of Bridge Engineering, 2019, 24, .	2.9	109
36	Drone-based Re-establishment of Communications for Humanitarian Rescue Organisations. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
37	Words Worth Learning - Augmented Literacy Content for ADHD Students. , 2018, , .		9
38	AHA: ADHD Augmented (Learning Environment). , 2018, , .		9
39	Computer science identity and sense of belonging. , 2018, , .		17
40	Delaying When all Dogs to go to Heaven: Virtual Reality Canine Anatomy Education Pilot Study. , 2018, , .		12
41	Scenic Spheres - An AR/VR Educational Game. , 2018, , .		13
42	Augmented reality EVAR training in mixed reality educational space. , 2017, , .		10
43	Input variable selection for thermal load predictive models of commercial buildings. Energy and Buildings, 2017, 137, 13-26.	6.7	75
44	3D modeling for augmented reality systems in novel vascular models. , 2017, , .		4
45	3D learning objects for augmented/virtual reality educational ecosystems. , 2017, , .		30
46	Oculus Rift Application for Training Drone Pilots. , 2017, , .		2
47	Virtual, Augmented and Mixed Reality Technology Based Simulations in Higher Education. , 2017, , .		3
48	3D Stereo-lithographic models placed in Virtual Reality to assist in pre-operative planning. , 2017, , .		0
49	Drones for live streaming of visuals for people with limited mobility. , 2016, , .		6
50	Future mixed reality educational spaces. , 2016, , .		25
51	State of Technology Review of Civilian UAVs. Recent Patents on Engineering, 2016, 10, 160-174.	0.4	55
52	DRONES AS ENABLING DEVICES: MOBILE ROBOTICS FOR EXTREME USER ACCESS. , 2016, , .		1
53	THE AFFORDANCES OF VIRTUAL COLLABORATIVE TOOLS AND AUGMENTED VIRTUAL REALITY GAMIFICATION TOOLS TO ENHANCE INTERCULTURAL EDUCATION LIVE & ONLINE. , 2016, , .		2
54	Selection of Input Variables for a Thermal Load Prediction Model. Energy Procedia, 2015, 78, 3001-3006.	1.8	10

#	ARTICLE	IF	CITATIONS
55	Towards an Info-Symbiotic Decision Support System for Disaster Risk Management. , 2015, , .		8
56	Using Electricity Market Analytics to Reduce Cost and Environmental Impact. , 2013, , .		3
57	Intelligent Systems in Context-Based Distributed Information Fusion. International Journal of Distributed Sensor Networks, 2013, 9, 836463.	2.2	0
58	Putting a CO <sub>2</sub> figure on a piece of computation. , 2011, , .		2
59	Researching technological and mathematical knowledge (TCK) of undergraduate primary teachers. International Journal of Technology Enhanced Learning, 2010, 2, 372.	0.7	3
60	Multi-agent System (MAS) Applications in Ambient Intelligence (Aml) Environments. Advances in Intelligent and Soft Computing, 2010, , 493-500.	0.2	4
61	Measuring Technological and Content Knowledge of Undergraduate Primary Teachers in Mathematics. Communications in Computer and Information Science, 2010, , 405-410.	0.5	3
62	Dynamic Techniques for Genetic Algorithm-Based Music Systems. Computer Music Journal, 2009, 33, 45-60.	0.1	9
63	Evaluation of keyphrase extraction algorithm and tiling process for a document/resource recommender within e-learning environments. Computers and Education, 2008, 50, 807-820.	8.3	27
64	Utilizing vector space models for user modeling within e-learning environments. Computers and Education, 2008, 51, 493-505.	8.3	10
65	IUMELA: A Lightweight Multi-Agent Systems Based Mobile Learning Assistant Using the ABITS Messaging Service. Lecture Notes in Computer Science, 2007, , 1056-1065.	1.3	1
66	Jazz Sebastian Bach: A GA System for Music Style Modification. , 2006, , .		7
67	Object Oriented vs. Agent-Based Oriented Ubiquitous Intelligent Mobile Managed e-Learning Environment. Lecture Notes in Computer Science, 2006, , 1102-1113.	1.3	0
68	ABITS: learning more about students through intelligent educational software. Campus Wide Information Systems, 2005, 22, 131-139.	1.1	4
69	The changing role of information technology in food and beverage logistics management: beverage network optimisation using intelligent agent technology. Journal of Food Engineering, 2005, 70, 403-420.	5.2	81
70	Automated Keyphrase Extraction: Assisting Students in the Search for Online Materials. Lecture Notes in Computer Science, 2005, , 225-230.	1.3	3
71	Multiagent System for Condition-Monitoring Applications. Cybernetics and Systems, 2002, 33, 543-558.	2.5	2
72	A multi agent system for monitoring industrial gas turbine start-up sequences. IEEE Transactions on Power Systems, 2001, 16, 396-401.	6.5	33

#	ARTICLE	IF	CITATIONS
73	COMMAS (COndition Monitoring Multi-Agent System). Autonomous Agents and Multi-Agent Systems, 2001, 4, 279-282.	2.1	21
74	Reasoning with modal logic for power plant condition monitoring. IEEE Power Engineering Review, 2001, 21, 58-59.	0.1	8
75	A Multi-Agent System to Stream Multimedia to Handheld Devices. , 0, , .		5