Konstantinos V Votis

List of Publications by Year in Descending Order

134 papers	**974** citations	**14** h-index	**25** g-index
150 ext. papers	**1,405** ext. citations	**2.4** avg, IF	**4.55** L-index

#	Paper	IF	Citations
134	Deep Learning in mHealth for Cardiovascular Disease, Diabetes, and Cancer: Systematic Review.. *JMIR MHealth and UHealth*, **2022**, 10, e32344	5.5	3
133	Usability of the Virtual Supermarket Test for Older Adults with and without Cognitive Impairment. *Journal of Alzheimer's Disease Reports*, **2022**, 6, 229-234	3.3	
132	Ethical Decision Making in Iot Data Driven Research: A Case Study of a Large-Scale Pilot. *Healthcare (Switzerland)*, **2022**, 10, 957	3.4	
131	Shift Scheduling for the Effective Management of the Ageing Workforce. *Lecture Notes in Computer Science*, **2022**, 229-241	0.9	
130	A Deep Learning-Based Dessert Recognition System for Automated Dietary Assessment. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2022**, 60-70	0.2	
129	An Efficient Method for Addressing COVID-19 Proximity Related Issues in Autonomous Shuttles Public Transportation. *IFIP Advances in Information and Communication Technology*, **2022**, 170-179	0.5	
128	A User Evaluation Study of Augmented and Virtual Reality Tools for Training and Knowledge Transfer. *Lecture Notes in Computer Science*, **2022**, 291-304	0.9	
127	A smarthome conversational agent performing implicit demand-response application planning. *Integrated Computer-Aided Engineering*, **2021**, 1-19	5.2	
126	A Virtual Reality-Based Screening Test for Cognitive Impairment in Small Vessel Disease. *Journal of Alzheimer's Disease Reports*, **2021**, 5, 161-169	3.3	1
125	Comparison between Self-Reported and Accelerometer-Measured Physical Activity in Young versus Older Children. *Digital*, **2021**, 1, 103-110		0
124	From a Low-Cost Air Quality Sensor Network to Decision Support Services: Steps towards Data Calibration and Service Development. *Sensors*, **2021**, 21,	3.8	4
123	An Autonomous Illumination System for Vehicle Documentation Based on Deep Reinforcement Learning. *IEEE Access*, **2021**, 9, 75336-75348	3.5	1
122	A Comparison of Traditional and Serious Game-Based Digital Markers of Cognition in Older Adults with Mild Cognitive Impairment and Healthy Controls. *Journal of Alzheimer's Disease*, **2021**, 79, 1747-1759	4.3	7
121	Smart Workplaces for older adults: coping 'ethically' with technology pervasiveness. *Universal Access in the Information Society*, **2021**, 1-13	2.5	3
120	Enhanced Security Framework for Enabling Facial Recognition in Autonomous Shuttles Public Transportation During COVID-19. *IFIP Advances in Information and Communication Technology*, **2021**, 145-154	0.5	
119	Audio-Based Event Detection at Different SNR Settings Using Two-Dimensional Spectrogram Magnitude Representations. *Electronics (Switzerland)*, **2020**, 9, 1593	2.6	4
118	Deep multi-sensorial data analysis for production monitoring in hard metal industry. *International Journal of Advanced Manufacturing Technology*, **2020**, 115, 823	3.2	7

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117	Effectiveness of myAirCoach: A mHealth Self-Management System in Asthma. *Journal of Allergy and Clinical Immunology: in Practice*, **2020**, 8, 1972-1979.e8	5.4	16
116	Computerized decision support and machine learning applications for the prevention and treatment of childhood obesity: A systematic review of the literature. *Artificial Intelligence in Medicine*, **2020**, 104, 101844	7.4	12
115	Towards a Blockchain-based Identity and Trust Management Framework for the IoV Ecosystem **2020**,		7
114	Feature learning for Human Activity Recognition using Convolutional Neural Networks. *CCF Transactions on Pervasive Computing and Interaction*, **2020**, 2, 18-32	1.8	37
113	Audio content analysis for unobtrusive event detection in smart homes. *Engineering Applications of Artificial Intelligence*, **2020**, 89, 103226	7.2	12
112	FrailSafe: An ICT Platform for Unobtrusive Sensing of Multi-Domain Frailty for Personalized Interventions. *IEEE Journal of Biomedical and Health Informatics*, **2020**, 24, 1557-1568	7.2	5
111	A prototype educational virtual assistant for diabetes management **2020**,		4
110	Performance Evaluation of different Hyperledger Sawtooth transaction processors for Blockchain log storage with varying workloads **2020**,		6
109	COVID-19 Mobile Apps: A Systematic Review of the Literature. *Journal of Medical Internet Research*, **2020**, 22, e23170	7.6	50
108	Using a Virtual Reality Serious Game to Assess the Performance of Older Adults with Frailty. *Advances in Experimental Medicine and Biology*, **2020**, 1196, 127-139	3.6	2
107	Applying an Intelligent Personal Agent on a Smart Home Using a Novel Dialogue Generator. *IFIP Advances in Information and Communication Technology*, **2020**, 384-395	0.5	2
106	Knowledge-Based Management and Reasoning on Cultural and Natural Touristic Routes. *IFIP Advances in Information and Communication Technology*, **2020**, 355-367	0.5	1
105	A new tool to assess amnestic mild cognitive impairment in Turkish older adults: virtual supermarket (VSM). *Aging, Neuropsychology, and Cognition*, **2020**, 27, 639-653	2.1	14
104	Detection of Mild Cognitive Impairment in an At-Risk Group of Older Adults: Can a Novel Self-Administered Serious Game-Based Screening Test Improve Diagnostic Accuracy?. *Journal of Alzheimer's Disease*, **2020**, 78, 405-412	4.3	11
103	An Audio-Based Method for Assessing Proper Usage of Dry Powder Inhalers. *Applied Sciences (Switzerland)*, **2020**, 10, 6677	2.6	1
102	A Lightweight Cyber-Security Defense Framework for Smart Homes **2020**,		1
101	Real-Time Abnormal Event Detection for Enhanced Security in Autonomous Shuttles Mobility Infrastructures. *Sensors*, **2020**, 20,	3.8	6
100	A Gamified Augmented Reality Application for Digital Heritage and Tourism. *Applied Sciences (Switzerland)*, **2020**, 10, 7868	2.6	13

99	An integrated system for automated 3D visualization and monitoring of vehicles. *International Journal of Advanced Manufacturing Technology*, **2020**, 111, 1797-1809	3.2	1
98	A novel social gamified collaboration platform enriched with shop-floor data and feedback for the improvement of the productivity, safety and engagement in factories. *Computers and Industrial Engineering*, **2020**, 139, 105691	6.4	12
97	Using Auditory Features for WiFi Channel State Information Activity Recognition. *SN Computer Science*, **2020**, 1, 1	2	3
96	A Blockchain Platform in Connected Medical-Device Environments: Trustworthy technology to guard against cyberthreats. *IEEE Consumer Electronics Magazine*, **2019**, 8, 50-55	3.2	9
95	Smart, personalized and adaptive ICT solutions for active, healthy and productive ageing with enhanced workability **2019**,		10
94	A Low-Cost Indoor Activity Monitoring System for Detecting Frailty in Older Adults. *Sensors*, **2019**, 19,	3.8	21
93	Health Vision: An interactive web based platform for healthcare data analysis and visualisation **2019**,		2
92	Permissioned Blockchains and Virtual Nodes for Reinforcing Trust Between Aggregators and Prosumers in Energy Demand Response Scenarios **2019**,		5
91	Requirements elicitation for secure and interoperable cross-border health data exchange: the KONFIDO study. *IET Software*, **2019**, 13, 203-210	1	1
90	Features, outcomes, and challenges in mobile health interventions for patients living with chronic diseases: A review of systematic reviews. *International Journal of Medical Informatics*, **2019**, 132, 103984	5.3	34
89	Cybersecurity in SMEs: The Smart-Home/Office Use Case **2019**,		3
88	Deep Learning on Multi Sensor Data for Counter UAV Applications-A Systematic Review. *Sensors*, **2019**, 19,	3.8	49
87	Smart Discovery of Cultural and Natural Tourist Routes **2019**,		2
86	Emergency Evacuation Simulation in Open Air Events Using a Floor Field Cellular Automata Model. *Lecture Notes in Computer Science*, **2019**, 642-653	0.9	
85	Transforming the supply-chain management and industry logistics with blockchain smart contracts **2019**,		9
84	Color-Guided Adaptive Support Weights for Active Stereo Systems. *Lecture Notes in Computer Science*, **2019**, 501-510	0.9	2
83	Multimodal Deep Learning Framework for Enhanced Accuracy of UAV Detection. *Lecture Notes in Computer Science*, **2019**, 768-777	0.9	5
82	**2019**,		1

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63	A low-cost room-level indoor localization system with easy setup for medical applications **2018**,		4
62	Implementing a Forms of Consent Smart Contract on an IoT-based Blockchain to promote user trust **2018**,		12
61	A Secured and Trusted Demand Response system based on Blockchain technologies **2018**,		12
60	Comprehensive user requirements engineering methodology for secure and interoperable health data exchange. *BMC Medical Informatics and Decision Making*, **2018**, 18, 85	3.6	17
59	Enabling New Technologies for Demand Response Decentralized Validation Using Blockchain **2018**,		6
58	On the Design of a Blockchain-Based System to Facilitate Healthcare Data Sharing **2018**,		59
57	An OpenNCP-based Solution for Secure eHealth Data Exchange. *Journal of Network and Computer Applications*, **2018**, 116, 65-85	7.9	24
56	A Smart-Home IoT Infrastructure for the Support of Independent Living of Older Adults. *IFIP Advances in Information and Communication Technology*, **2018**, 238-249	0.5	9
55	A Preliminary Study on the Feasibility of Using a Virtual Reality Cognitive Training Application for Remote Detection of Mild Cognitive Impairment. *Journal of Alzheimer's Disease*, **2017**, 56, 619-627	4.3	41
54	A knowledge-based approach to user interface adaptation from preferences and for special needs. *User Modeling and User-Adapted Interaction*, **2017**, 27, 445-491	3.9	14
53	Audio-based event recognition system for smart homes **2017**,		4
52	Substance deposition assessment in obstructed pulmonary system through numerical characterization of airflow and inhaled particles attributes. *BMC Medical Informatics and Decision Making*, **2017**, 17, 173	3.6	3
51	Extraction of Tabular Data from Document Images **2017**,		2
50	Improvement of the Workers' Satisfaction and Collaborative Spirit Through Gamification. *Lecture Notes in Computer Science*, **2017**, 184-191	0.9	6
49	Gamification in Social Networking: A Platform for People Living with Dementia and their Caregivers **2017**,		4
48	Automatic semantic service composition aiming at increasing end-users' accessibility **2016**,		1
47	An integrated semantic framework supporting universal accessibility to ICT. *Universal Access in the Information Society*, **2016**, 15, 49-62	2.5	5
46	A Living Lab Infrastructure for Investigating Activity Monitoring Needs in Service Robot Applications **2016**,		2

45	Monitoring asthma medication adherence through content based audio classification **2016**,		6
44	Discovering the Discriminating Power in Patient Test Features Using Visual Analytics: A Case Study in Parkinson's Disease. *IFIP Advances in Information and Communication Technology*, **2016**, 600-610	0.5	3
43	Simulation and Visual Analysis of Neuromusculoskeletal Models and Data. *IFIP Advances in Information and Communication Technology*, **2015**, 411-420	0.5	5
42	A Semantic Framework to Support the Management of Cloud-Based Service Provision Within a Global Public Inclusive Infrastructure. *International Journal of Electronic Commerce*, **2015**, 20, 142-173	5.4	7
41	Utilizing convolution neural networks for the acoustic detection of inhaler actuations **2015**,		5
40	Adding haptic feedback to web applications towards improving end-users' cognitive capabilities **2015**,		1
39	MyAirCoach: Designing a mobile application for the education of patients regarding asthma disease **2015**,		2
38	Can a virtual reality cognitive training application fulfill a dual role? Using the virtual supermarket cognitive training application as a screening tool for mild cognitive impairment. *Journal of Alzheimer's Disease*, **2015**, 44, 1333-47	4.3	81
37	An Ambient Intelligence System for the Monitoring, Empowerment, and Disease Evolution Prediction for Patients with Mild Cognitive Impairment. *Advances in Psychology, Mental Health, and Behavioral Studies*, **2015**, 225-239	0.2	1
36	Recognizing Daily Activities in Realistic Environments Through Depth-Based User Tracking and Hidden Conditional Random Fields for MCI/AD Support. *Lecture Notes in Computer Science*, **2015**, 822-838	0.9	1
35	Enabling Accessibility Features in Enhanced VR Environments for Supporting Spatial Abilities and Social Interaction in Elderly and MCI Patients. *Advances in Psychology, Mental Health, and Behavioral Studies*, **2015**, 147-162	0.2	1
34	An analysis of personalized web accessibility **2014**,		6
33	Synthetic ground truth data generation for automatic trajectory-based ADL detection **2014**,		4
32	Accessibility through Preferences: Context-Aware Recommender of Settings. *Lecture Notes in Computer Science*, **2014**, 224-235	0.9	6
31	A Semantic Framework for Assistive Technologies Description to Strengthen UI Adaptation. *Lecture Notes in Computer Science*, **2014**, 236-245	0.9	3
30	Introducing web service accessibility assessment techniques through a unified quality of service context. *Service Oriented Computing and Applications*, **2014**, 8, 159-174	1.6	4
29	Enabling user interface developers to experience accessibility limitations through visual, hearing, physical and cognitive impairment simulation. *Universal Access in the Information Society*, **2014**, 13, 227-248	2.5	11
28	A Unified Semantic Framework for Detailed Description of Assistive Technologies Based on the EASTIN Taxonomy. *Lecture Notes in Computer Science*, **2014**, 275-282	0.9	2

27	Feature Extraction and Visual Feature Fusion for the Detection of Concurrent Prefix Hijacks. *Lecture Notes in Computer Science*, **2014**, 310-319	0.9	
26	Open Touch/Sound Maps: A system to convey street data through haptic and auditory feedback. *Computers and Geosciences*, **2013**, 57, 59-67	4.5	22
25	A mobile interactive maps application for a visually impaired audience **2013**,		7
24	WaaT **2011**,		5
23	HapticRiaMaps **2011**,		11
22	A Unified Environment for Accessing a Suite of Accessibility Evaluation Facilities. *Lecture Notes in Computer Science*, **2011**, 267-275	0.9	1
21	An Accessibility Assessment Framework for Improving Designers Experience in Web Applications. *Lecture Notes in Computer Science*, **2011**, 258-266	0.9	3
20	The semantics of personalised web accessibility assessment **2010**,		2
19	3D HapticWebBrowser **2010**,		5
18	Introducing accessibility in the Web services domain **2010**,		3
17	Designing and Developing Accessible Java Swing Applications. *Lecture Notes in Computer Science*, **2010**, 186-188	0.9	0
16	A visual impaired simulator to achieve embedded accessibility designs **2009**,		1
15	Towards the universal semantic assessment of accessibility **2009**,		5
14	A Service Oriented Ontological Framework for the Semantic Validation of Web Accessibility **2009**, 49-67		4
13	An Open Source Tool for Simulating a Variety of Vision Impairments in Developing Swing Applications. *Lecture Notes in Computer Science*, **2009**, 135-144	0.9	3
12	A Harmonised Methodology towards Measuring Accessibility. *Lecture Notes in Computer Science*, **2009**, 578-587	0.9	3
11	A Semantic Accessibility Assessment Environment for Design and Development for the Web. *Lecture Notes in Computer Science*, **2009**, 803-813	0.9	10
10	A Standalone Vision Impairments Simulator for Java Swing Applications. *Lecture Notes in Computer Science*, **2009**, 387-398	0.9	

9	Pushing the limits of service-oriented architecture and introducing accessibility terms into a public educational web interaction environment. *International Journal of Knowledge and Learning*, **2008**, 4, 567	0.9	
8	Ontology-supported indexing in P2P networks of digital libraries. *International Journal of Web Engineering and Technology*, **2008**, 4, 44	0.3	
7	An ontologically principled service-oriented architecture for managing distributed e-government nodes. *Journal of Network and Computer Applications*, **2008**, 31, 131-148	7.9	18
6	The Impact of a Service Oriented Approach as an Enabler for E-Government Educational Services for All Citizens. *Communications in Computer and Information Science*, **2008**, 659-668	0.3	
5	COVID-19 Mobile Apps: A Systematic Review of the Literature (Preprint)		1
4	Two-Dimensional Convolutional Recurrent Neural Networks for Speech Activity Detection		5
3	Graph-based visualization of sensitive medical data. *Multimedia Tools and Applications*,1	2.5	3
2	A RAkEL-based methodology to estimate software vulnerability characteristics & score - an application to EU project ECHO. *Multimedia Tools and Applications*,1	2.5	1
1	A hybrid matchmaking approach in the ambient assisted living domain. *Universal Access in the Information Society*,1	2.5	1