

# Konstantinos V Votis

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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. <i>Journal of Alzheimer's Disease</i> , <b>2015</b> , 44, 1333-47	4.3	81
133	On the Design of a Blockchain-Based System to Facilitate Healthcare Data Sharing <b>2018</b> ,		59
132	COVID-19 Mobile Apps: A Systematic Review of the Literature. <i>Journal of Medical Internet Research</i> , <b>2020</b> , 22, e23170	7.6	50
131	Deep Learning on Multi Sensor Data for Counter UAV Applications-A Systematic Review. <i>Sensors</i> , <b>2019</b> , 19,	3.8	49
130	A Preliminary Study on the Feasibility of Using a Virtual Reality Cognitive Training Application for Remote Detection of Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , <b>2017</b> , 56, 619-627	4.3	41
129	Feature learning for Human Activity Recognition using Convolutional Neural Networks. <i>CCF Transactions on Pervasive Computing and Interaction</i> , <b>2020</b> , 2, 18-32	1.8	37
128	Features, outcomes, and challenges in mobile health interventions for patients living with chronic diseases: A review of systematic reviews. <i>International Journal of Medical Informatics</i> , <b>2019</b> , 132, 103984	5.3	34
127	An OpenNCP-based Solution for Secure eHealth Data Exchange. <i>Journal of Network and Computer Applications</i> , <b>2018</b> , 116, 65-85	7.9	24
126	Open Touch/Sound Maps: A system to convey street data through haptic and auditory feedback. <i>Computers and Geosciences</i> , <b>2013</b> , 57, 59-67	4.5	22
125	A Low-Cost Indoor Activity Monitoring System for Detecting Frailty in Older Adults. <i>Sensors</i> , <b>2019</b> , 19,	3.8	21
124	An ontologically principled service-oriented architecture for managing distributed e-government nodes. <i>Journal of Network and Computer Applications</i> , <b>2008</b> , 31, 131-148	7.9	18
123	Comprehensive user requirements engineering methodology for secure and interoperable health data exchange. <i>BMC Medical Informatics and Decision Making</i> , <b>2018</b> , 18, 85	3.6	17
122	Effectiveness of myAirCoach: A mHealth Self-Management System in Asthma. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , <b>2020</b> , 8, 1972-1979.e8	5.4	16
121	Using Blockchains to Strengthen the Security of Internet of Things. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 90-100	0.3	15
120	A knowledge-based approach to user interface adaptation from preferences and for special needs. <i>User Modeling and User-Adapted Interaction</i> , <b>2017</b> , 27, 445-491	3.9	14
119	An mHealth System for Monitoring Medication Adherence in Obstructive Respiratory Diseases Using Content Based Audio Classification. <i>IEEE Access</i> , <b>2018</b> , 6, 11871-11882	3.5	14
118	A new tool to assess amnesic mild cognitive impairment in Turkish older adults: virtual supermarket (VSM). <i>Aging, Neuropsychology, and Cognition</i> , <b>2020</b> , 27, 639-653	2.1	14

117	A Gamified Augmented Reality Application for Digital Heritage and Tourism. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7868	2.6	13
116	Computerized decision support and machine learning applications for the prevention and treatment of childhood obesity: A systematic review of the literature. <i>Artificial Intelligence in Medicine</i> , <b>2020</b> , 104, 101844	7.4	12
115	Audio content analysis for unobtrusive event detection in smart homes. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 89, 103226	7.2	12
114	A novel social gamified collaboration platform enriched with shop-floor data and feedback for the improvement of the productivity, safety and engagement in factories. <i>Computers and Industrial Engineering</i> , <b>2020</b> , 139, 105691	6.4	12
113	Implementing a Forms of Consent Smart Contract on an IoT-based Blockchain to promote user trust <b>2018</b> ,		12
112	A Secured and Trusted Demand Response system based on Blockchain technologies <b>2018</b> ,		12
111	Enabling user interface developers to experience accessibility limitations through visual, hearing, physical and cognitive impairment simulation. <i>Universal Access in the Information Society</i> , <b>2014</b> , 13, 227-248	2.5	11
110	HapticRiaMaps <b>2011</b> ,		11
109	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?. <i>Journal of Alzheimer's Disease</i> , <b>2020</b> , 78, 405-412	4.3	11
108	Combining Statistical and Machine Learning Techniques in IoT Anomaly Detection for Smart Homes <b>2019</b> ,		11
107	Smart, personalized and adaptive ICT solutions for active, healthy and productive ageing with enhanced workability <b>2019</b> ,		10
106	A Semantic Accessibility Assessment Environment for Design and Development for the Web. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 803-813	0.9	10
105	A Blockchain Platform in Connected Medical-Device Environments: Trustworthy technology to guard against cyberthreats. <i>IEEE Consumer Electronics Magazine</i> , <b>2019</b> , 8, 50-55	3.2	9
104	Transforming the supply-chain management and industry logistics with blockchain smart contracts <b>2019</b> ,		9
103	A Smart-Home IoT Infrastructure for the Support of Independent Living of Older Adults. <i>IFIP Advances in Information and Communication Technology</i> , <b>2018</b> , 238-249	0.5	9
102	A Semantic Framework to Support the Management of Cloud-Based Service Provision Within a Global Public Inclusive Infrastructure. <i>International Journal of Electronic Commerce</i> , <b>2015</b> , 20, 142-173	5.4	7
101	Deep multi-sensorial data analysis for production monitoring in hard metal industry. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2020</b> , 115, 823	3.2	7
100	Towards a Blockchain-based Identity and Trust Management Framework for the IoV Ecosystem <b>2020</b> ,		7

99	A mobile interactive maps application for a visually impaired audience <b>2013</b> ,		7
98	A Comparison of Traditional and Serious Game-Based Digital Markers of Cognition in Older Adults with Mild Cognitive Impairment and Healthy Controls. <i>Journal of Alzheimer's Disease</i> , <b>2021</b> , 79, 1747-1759	4.3	7
97	Towards Reliable Integrity in Blacklisting: Facing Malicious IPs in GHOST Smart Contracts <b>2018</b> ,		7
96	Improvement of the Workers Satisfaction and Collaborative Spirit Through Gamification. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 184-191	0.9	6
95	An analysis of personalized web accessibility <b>2014</b> ,		6
94	Accessibility through Preferences: Context-Aware Recommender of Settings. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 224-235	0.9	6
93	Performance Evaluation of different Hyperledger Sawtooth transaction processors for Blockchain log storage with varying workloads <b>2020</b> ,		6
92	Real-Time Abnormal Event Detection for Enhanced Security in Autonomous Shuttles Mobility Infrastructures. <i>Sensors</i> , <b>2020</b> , 20,	3.8	6
91	Monitoring asthma medication adherence through content based audio classification <b>2016</b> ,		6
90	Comparing CNN and Human Crafted Features for Human Activity Recognition <b>2019</b> ,		6
89	Enabling New Technologies for Demand Response Decentralized Validation Using Blockchain <b>2018</b> ,		6
88	Simulation and Visual Analysis of Neuromusculoskeletal Models and Data. <i>IFIP Advances in Information and Communication Technology</i> , <b>2015</b> , 411-420	0.5	5
87	FrailSafe: An ICT Platform for Unobtrusive Sensing of Multi-Domain Frailty for Personalized Interventions. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2020</b> , 24, 1557-1568	7.2	5
86	An integrated semantic framework supporting universal accessibility to ICT. <i>Universal Access in the Information Society</i> , <b>2016</b> , 15, 49-62	2.5	5
85	Permissioned Blockchains and Virtual Nodes for Reinforcing Trust Between Aggregators and Prosumers in Energy Demand Response Scenarios <b>2019</b> ,		5
84	Utilizing convolution neural networks for the acoustic detection of inhaler actuations <b>2015</b> ,		5
83	3D HapticWebBrowser <b>2010</b> ,		5
82	Towards the universal semantic assessment of accessibility <b>2009</b> ,		5

81	WaaT <b>2011</b> ,		5
80	A Web-Based Platform for People With Memory Problems and Their Caregivers (CAREGIVERSPRO-MMD): Mixed-Methods Evaluation of Usability. <i>JMIR Formative Research</i> , <b>2018</b> , 2, e4	2.5	5
79	Two-Dimensional Convolutional Recurrent Neural Networks for Speech Activity Detection		5
78	Multimodal Deep Learning Framework for Enhanced Accuracy of UAV Detection. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 768-777	0.9	5
77	Audio-Based Event Detection at Different SNR Settings Using Two-Dimensional Spectrogram Magnitude Representations. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1593	2.6	4
76	Audio-based event recognition system for smart homes <b>2017</b> ,		4
75	Designing a gamified social platform for people living with dementia and their live-in family caregivers <b>2018</b> ,		4
74	Gamification in Social Networking: A Platform for People Living with Dementia and their Caregivers <b>2017</b> ,		4
73	Synthetic ground truth data generation for automatic trajectory-based ADL detection <b>2014</b> ,		4
72	Introducing web service accessibility assessment techniques through a unified quality of service context. <i>Service Oriented Computing and Applications</i> , <b>2014</b> , 8, 159-174	1.6	4
71	A prototype educational virtual assistant for diabetes management <b>2020</b> ,		4
70	A Service Oriented Ontological Framework for the Semantic Validation of Web Accessibility <b>2009</b> , 49-67		4
69	From a Low-Cost Air Quality Sensor Network to Decision Support Services: Steps towards Data Calibration and Service Development. <i>Sensors</i> , <b>2021</b> , 21,	3.8	4
68	A low-cost room-level indoor localization system with easy setup for medical applications <b>2018</b> ,		4
67	Substance deposition assessment in obstructed pulmonary system through numerical characterization of airflow and inhaled particles attributes. <i>BMC Medical Informatics and Decision Making</i> , <b>2017</b> , 17, 173	3.6	3
66	Cybersecurity in SMEs: The Smart-Home/Office Use Case <b>2019</b> ,		3
65	A Semantic Framework for Assistive Technologies Description to Strengthen UI Adaptation. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 236-245	0.9	3
64	Introducing accessibility in the Web services domain <b>2010</b> ,		3

63	Towards Big Data Analytics in Large-Scale Federations of Semantically Heterogeneous IoT Platforms. <i>IFIP Advances in Information and Communication Technology</i> , <b>2018</b> , 13-23	0.5	3
62	An Open Source Tool for Simulating a Variety of Vision Impairments in Developing Swing Applications. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 135-144	0.9	3
61	A Harmonised Methodology towards Measuring Accessibility. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 578-587	0.9	3
60	An Accessibility Assessment Framework for Improving Designers Experience in Web Applications. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 258-266	0.9	3
59	Graph-based visualization of sensitive medical data. <i>Multimedia Tools and Applications</i> , 1	2.5	3
58	Discovering the Discriminating Power in Patient Test Features Using Visual Analytics: A Case Study in Parkinson Disease. <i>IFIP Advances in Information and Communication Technology</i> , <b>2016</b> , 600-610	0.5	3
57	Image-Based Text Classification using 2D Convolutional Neural Networks <b>2019</b> ,		3
56	Using Auditory Features for WiFi Channel State Information Activity Recognition. <i>SN Computer Science</i> , <b>2020</b> , 1, 1	2	3
55	Smart Workplaces for older adults: coping 'ethically' with technology pervasiveness. <i>Universal Access in the Information Society</i> , <b>2021</b> , 1-13	2.5	3
54	Deep Learning in mHealth for Cardiovascular Disease, Diabetes, and Cancer: Systematic Review.. <i>JMIR MHealth and UHealth</i> , <b>2022</b> , 10, e32344	5.5	3
53	A Gamification Engine Architecture for Enhancing Behavioral Change Support Systems <b>2018</b> ,		2
52	Two examples of online eHealth platforms for supporting people living with cognitive impairments and their caregivers <b>2018</b> ,		2
51	Health Vision: An interactive web based platform for healthcare data analysis and visualisation <b>2019</b> ,		2
50	Smart Discovery of Cultural and Natural Tourist Routes <b>2019</b> ,		2
49	Extraction of Tabular Data from Document Images <b>2017</b> ,		2
48	MyAirCoach: Designing a mobile application for the education of patients regarding asthma disease <b>2015</b> ,		2
47	The semantics of personalised web accessibility assessment <b>2010</b> ,		2
46	Using a Virtual Reality Serious Game to Assess the Performance of Older Adults with Frailty. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1196, 127-139	3.6	2

45	Applying an Intelligent Personal Agent on a Smart Home Using a Novel Dialogue Generator. <i>IFIP Advances in Information and Communication Technology</i> , <b>2020</b> , 384-395	0.5	2
44	Color-Guided Adaptive Support Weights for Active Stereo Systems. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 501-510	0.9	2
43	A Unified Semantic Framework for Detailed Description of Assistive Technologies Based on the EASTIN Taxonomy. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 275-282	0.9	2
42	A Living Lab Infrastructure for Investigating Activity Monitoring Needs in Service Robot Applications <b>2016</b> ,		2
41	Energy-based decision engine for household human activity recognition <b>2018</b> ,		2
40	Assessing the Frailty of Older People using Bluetooth Beacons Data <b>2018</b> ,		2
39	Automatic semantic service composition aiming at increasing end-users' accessibility <b>2016</b> ,		1
38	Health Recommender System design in the context of CAREGIVERSPRO-MMD Project <b>2018</b> ,		1
37	Towards visualizing primary Sjögren's Syndrome data from heterogeneous cohorts <b>2018</b> ,		1
36	Requirements elicitation for secure and interoperable cross-border health data exchange: the KONFIDO study. <i>IET Software</i> , <b>2019</b> , 13, 203-210	1	1
35	Adding haptic feedback to web applications towards improving end-users' cognitive capabilities <b>2015</b> ,		1
34	A visual impaired simulator to achieve embedded accessibility designs <b>2009</b> ,		1
33	COVID-19 Mobile Apps: A Systematic Review of the Literature (Preprint)		1
32	An Ambient Intelligence System for the Monitoring, Empowerment, and Disease Evolution Prediction for Patients with Mild Cognitive Impairment. <i>Advances in Psychology, Mental Health, and Behavioral Studies</i> , <b>2015</b> , 225-239	0.2	1
31	Knowledge-Based Management and Reasoning on Cultural and Natural Touristic Routes. <i>IFIP Advances in Information and Communication Technology</i> , <b>2020</b> , 355-367	0.5	1
30	Recognizing Daily Activities in Realistic Environments Through Depth-Based User Tracking and Hidden Conditional Random Fields for MCI/AD Support. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 822-838	0.9	1
29	A Unified Environment for Accessing a Suite of Accessibility Evaluation Facilities. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 267-275	0.9	1
28	Enabling Accessibility Features in Enhanced VR Environments for Supporting Spatial Abilities and Social Interaction in Elderly and MCI Patients. <i>Advances in Psychology, Mental Health, and Behavioral Studies</i> , <b>2015</b> , 147-162	0.2	1

27	An Audio-Based Method for Assessing Proper Usage of Dry Powder Inhalers. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6677	2.6	1
26	A Lightweight Cyber-Security Defense Framework for Smart Homes <b>2020</b> ,		1
25	An integrated system for automated 3D visualization and monitoring of vehicles. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2020</b> , 111, 1797-1809	3.2	1
24	A Virtual Reality-Based Screening Test for Cognitive Impairment in Small Vessel Disease. <i>Journal of Alzheimer's Disease Reports</i> , <b>2021</b> , 5, 161-169	3.3	1
23	A RAKEL-based methodology to estimate software vulnerability characteristics & score - an application to EU project ECHO. <i>Multimedia Tools and Applications</i> ,1	2.5	1
22	<b>2019</b> ,		1
21	A systematic distributing sensor system prototype for respiratory diseases <b>2019</b> ,		1
20	An Autonomous Illumination System for Vehicle Documentation Based on Deep Reinforcement Learning. <i>IEEE Access</i> , <b>2021</b> , 9, 75336-75348	3.5	1
19	A hybrid matchmaking approach in the ambient assisted living domain. <i>Universal Access in the Information Society</i> ,1	2.5	1
18	Designing and Developing Accessible Java Swing Applications. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 186-188	0.9	0
17	Comparison between Self-Reported and Accelerometer-Measured Physical Activity in Young versus Older Children. <i>Digital</i> , <b>2021</b> , 1, 103-110		0
16	A Multi-objective Data Mining Approach for Road Traffic Prediction. <i>IFIP Advances in Information and Communication Technology</i> , <b>2018</b> , 425-436	0.5	
15	Pushing the limits of service-oriented architecture and introducing accessibility terms into a public educational web interaction environment. <i>International Journal of Knowledge and Learning</i> , <b>2008</b> , 4, 567	0.9	
14	Ontology-supported indexing in P2P networks of digital libraries. <i>International Journal of Web Engineering and Technology</i> , <b>2008</b> , 4, 44	0.3	
13	A smarhome conversational agent performing implicit demand-response application planning. <i>Integrated Computer-Aided Engineering</i> , <b>2021</b> , 1-19	5.2	
12	The Impact of a Service Oriented Approach as an Enabler for E-Government Educational Services for All Citizens. <i>Communications in Computer and Information Science</i> , <b>2008</b> , 659-668	0.3	
11	Parkinson's Disease Patients Classification Based on a Motion Tracking Methodology. <i>IFMBE Proceedings</i> , <b>2018</b> , 223-227	0.2	
10	Emergency Evacuation Simulation in Open Air Events Using a Floor Field Cellular Automata Model. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 642-653	0.9	



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| 9 | A Standalone Vision Impairments Simulator for Java Swing Applications. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 387-398   | 0.9 |
| 8 | Feature Extraction and Visual Feature Fusion for the Detection of Concurrent Prefix Hijacks. <i>Lecture Notes in Computer Science</i> , <b>2014</b> , 310-319   | 0.9 |
| 7 | Enhanced Security Framework for Enabling Facial Recognition in Autonomous Shuttles Public Transportation During COVID-19. <i>IFIP Advances in Information and Communication Technology</i> , <b>2021</b> , 145-154          | 0.5 |
| 6 | Usability of the Virtual Supermarket Test for Older Adults with and without Cognitive Impairment. <i>Journal of Alzheimer's Disease Reports</i> , <b>2022</b> , 6, 229-234  | 3.3 |
| 5 | Ethical Decision Making in IoT Data Driven Research: A Case Study of a Large-Scale Pilot. <i>Healthcare (Switzerland)</i> , <b>2022</b> , 10, 957   | 3.4 |
| 4 | Shift Scheduling for the Effective Management of the Ageing Workforce. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 229-241   | 0.9 |
| 3 | A Deep Learning-Based Dessert Recognition System for Automated Dietary Assessment. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2022</b> , 60-70 | 0.2 |
| 2 | An Efficient Method for Addressing COVID-19 Proximity Related Issues in Autonomous Shuttles Public Transportation. <i>IFIP Advances in Information and Communication Technology</i> , <b>2022</b> , 170-179                 | 0.5 |
| 1 | A User Evaluation Study of Augmented and Virtual Reality Tools for Training and Knowledge Transfer. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 291-304  | 0.9 |