

# Dimitrios Tzovaras

## List of Publications by Year in descending order

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485  
papers

6,672  
citations

94269

37  
h-index

155451

55  
g-index

518  
all docs

518  
docs citations

518  
times ranked

5861  
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 Mobile Apps: A Systematic Review of the Literature. Journal of Medical Internet Research, 2020, 22, e23170.	2.1	143
2	Use of depth and colour eigenfaces for face recognition. Pattern Recognition Letters, 2003, 24, 1427-1435.	2.6	142
3	Industry 4.0 sustainable supply chains: An application of an IoT enabled scrap metal management solution. Journal of Cleaner Production, 2020, 269, 122377.	4.6	131
4	Machine Learning and Deep Learning in smart manufacturing: The Smart Grid paradigm. Computer Science Review, 2021, 40, 100341.	10.2	125
5	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, 1333-1347.	1.2	123
6	Deep Learning on Multi Sensor Data for Counter UAV Applications – A Systematic Review. Sensors, 2019, 19, 4837.	2.1	115
7	Lossless image compression based on optimal prediction, adaptive lifting, and conditional arithmetic coding. IEEE Transactions on Image Processing, 2001, 10, 1-14.	6.0	109
8	On the Design of a Blockchain-Based System to Facilitate Healthcare Data Sharing. , 2018, , .		93
9	Simulating Fog and Edge Computing Scenarios: An Overview and Research Challenges. Future Internet, 2019, 11, 55.	2.4	93
10	Introducing an application of an industry 4.0 solution for circular supply chain management. Journal of Cleaner Production, 2021, 300, 126886.	4.6	92
11	Object-based coding of stereo image sequences using joint 3-D motion/disparity compensation. IEEE Transactions on Circuits and Systems for Video Technology, 1997, 7, 312-327.	5.6	87
12	Blocking artifact detection and reduction in compressed data. IEEE Transactions on Circuits and Systems for Video Technology, 2002, 12, 877-890.	5.6	85
13	Gait Recognition Using Compact Feature Extraction Transforms and Depth Information. IEEE Transactions on Information Forensics and Security, 2007, 2, 623-630.	4.5	79
14	Using Activity-Related Behavioural Features towards More Effective Automatic Stress Detection. PLoS ONE, 2012, 7, e43571.	1.1	77
15	The Digital Asthma Patient: The History and Future of Inhaler Based Health Monitoring Devices. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2016, 29, 219-232.	0.7	69
16	Managing Spatial Graph Dependencies in Large Volumes of Traffic Data for Travel-Time Prediction. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1678-1687.	4.7	68
17	Non-destructive quality control methods in additive manufacturing: a survey. Rapid Prototyping Journal, 2020, 26, 777-790.	1.6	67
18	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.	1.6	66

#	ARTICLE	IF	CITATIONS
19	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> , 2017, 56, 619-627.	1.2	65
20	Evaluation of multiresolution block matching techniques for motion and disparity estimation. <i>Signal Processing: Image Communication</i> , 1994, 6, 59-67.	1.8	64
21	Efficient 3-D model search and retrieval using generalized 3-D radon transforms. <i>IEEE Transactions on Multimedia</i> , 2006, 8, 101-114.	5.2	61
22	3D object retrieval using the 3D shape impact descriptor. <i>Pattern Recognition</i> , 2009, 42, 2447-2459.	5.1	60
23	Conditional Random Fields - based approach for real-time building occupancy estimation with multi-sensory networks. <i>Automation in Construction</i> , 2016, 68, 128-145.	4.8	57
24	Automatic Recognition of Boredom in Video Games Using Novel Biosignal Moment-Based Features. <i>IEEE Transactions on Affective Computing</i> , 2011, 2, 119-133.	5.7	56
25	3D Model Search and Retrieval Using the Spherical Trace Transform. <i>Eurasip Journal on Advances in Signal Processing</i> , 2006, 2007, 1.	1.0	55
26	A graph neural network method for distributed anomaly detection in IoT. <i>Evolving Systems</i> , 2021, 12, 19-36.	2.4	53
27	An Interactive Visual Analytics Platform for Smart Intelligent Transportation Systems Management. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018, 19, 487-496.	4.7	50
28	Haptic Rendering of Visual Data for the Visually Impaired. <i>IEEE MultiMedia</i> , 2007, 14, 62-72.	1.5	49
29	A context-aware method for building occupancy prediction. <i>Energy and Buildings</i> , 2016, 110, 229-244.	3.1	48
30	Impact of metal additive manufacturing parameters on the powder bed fusion and direct energy deposition processes: a comprehensive review. <i>Progress in Additive Manufacturing</i> , 2021, 6, 349-365.	2.5	48
31	Design and implementation of haptic virtual environments for the training of the visually impaired. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2004, 12, 266-278.	2.7	46
32	Three-Dimensional Shape-Structure Comparison Method for Protein Classification. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2006, 3, 193-207.	1.9	46
33	Age-dependent modulation of sensory reweighting for controlling posture in a dynamic virtual environment. <i>Age</i> , 2012, 34, 1381-1392.	3.0	46
34	Stereoscopic video generation based on efficient layered structure and motion estimation from a monoscopic image sequence. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2005, 15, 1065-1073.	5.6	43
35	A Gamified Augmented Reality Application for Digital Heritage and Tourism. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7868.	1.3	43
36	Effectiveness of myAirCoach: A mHealth Self-Management System in Asthma. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 1972-1979.e8.	2.0	42

#	ARTICLE	IF	CITATIONS
37	Gait Recognition Using Geometric Features and Soft Biometrics. IEEE Signal Processing Letters, 2010, 17, 367-370.	2.1	41
38	A Methodological Framework for the Selection of Key Performance Indicators to Assess Smart City Solutions. Smart Cities, 2019, 2, 269-306.	5.5	41
39	The Smart City Business Model Canvas – A Smart City Business Modeling Framework and Practical Tool. Energies, 2019, 12, 4798.	1.6	40
40	Application of intermittent galvanic vestibular stimulation reveals age-related constraints in the multisensory reweighting of posture. Neuroscience Letters, 2014, 561, 112-117.	1.0	39
41	Fuzzy Fusion of Eyelid Activity Indicators for Hypovigilance-Related Accident Prediction. IEEE Transactions on Intelligent Transportation Systems, 2008, 9, 491-500.	4.7	38
42	SPEAR SIEM: A Security Information and Event Management system for the Smart Grid. Computer Networks, 2021, 193, 108008.	3.2	38
43	3-D Model Search and Retrieval From Range Images Using Salient Features. IEEE Transactions on Multimedia, 2010, 12, 692-704.	5.2	37
44	A Review of Cloud Computing Simulation Platforms and Related Environments. , 2017, , .		37
45	Combining Topological and Geometrical Features for Global and Partial 3-D Shape Retrieval. IEEE Transactions on Multimedia, 2008, 10, 819-831.	5.2	36
46	Assessment of Perceived Attractiveness, Usability, and Societal Impact of a Multimodal Robotic Assistant for Aging Patients With Memory Impairments. Frontiers in Neurology, 2018, 9, 392.	1.1	36
47	Hierarchical partition priority wavelet image compression. IEEE Transactions on Image Processing, 1996, 5, 1111-1123.	6.0	34
48	Unobtrusive Multimodal Biometric Authentication: The HUMABIO Project Concept. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.0	34
49	Fault Diagnosis in Microelectronics Attachment Via Deep Learning Analysis of 3-D Laser Scans. IEEE Transactions on Industrial Electronics, 2020, 67, 5748-5757.	5.2	34
50	A framework for inspection of dies attachment on PCB utilizing machine learning techniques. Journal of Management Analytics, 2018, 5, 81-94.	1.6	33
51	A Low-Cost Indoor Activity Monitoring System for Detecting Frailty in Older Adults. Sensors, 2019, 19, 452.	2.1	33
52	3D object articulation and motion estimation in model-based stereoscopic videoconference image sequence analysis and coding. Signal Processing: Image Communication, 1999, 14, 817-840.	1.8	32
53	SQ-Map: Efficient Layered Collision Detection and Haptic Rendering. IEEE Transactions on Visualization and Computer Graphics, 2007, 13, 80-93.	2.9	32
54	Subject-dependent biosignal features for increased accuracy in psychological stress detection. International Journal of Human Computer Studies, 2013, 71, 425-439.	3.7	32

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55	Energy modeling in cloud simulation frameworks. <i>Future Generation Computer Systems</i> , 2018, 79, 715-725.	4.9	32
56	Disparity field and depth map coding for multiview 3D image generation. <i>Signal Processing: Image Communication</i> , 1998, 11, 205-230.	1.8	31
57	Open Touch/Sound Maps: A system to convey street data through haptic and auditory feedback. <i>Computers and Geosciences</i> , 2013, 57, 59-67.	2.0	31
58	A Human-Centric & Context-Aware IoT Framework for Enhancing Energy Efficiency in Buildings of Public Use. <i>IEEE Access</i> , 2018, 6, 31444-31456.	2.6	31
59	The European cross-border health data exchange roadmap: Case study in the Italian setting. <i>Journal of Biomedical Informatics</i> , 2019, 94, 103183.	2.5	31
60	Multi-Objective Optimization for Multimodal Visualization. <i>IEEE Transactions on Multimedia</i> , 2014, 16, 1460-1472.	5.2	30
61	Understanding of Human Behavior with a Robotic Agent Through Daily Activity Analysis. <i>International Journal of Social Robotics</i> , 2019, 11, 437-462.	3.1	30
62	Static Analysis-Based Approaches for Secure Software Development. <i>Communications in Computer and Information Science</i> , 2018, , 142-157.	0.4	29
63	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> , 2020, 104, 101844.	3.8	29
64	Real-Time Physical Activity Recognition on Smart Mobile Devices Using Convolutional Neural Networks. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8482.	1.3	28
65	Audio content analysis for unobtrusive event detection in smart homes. <i>Engineering Applications of Artificial Intelligence</i> , 2020, 89, 103226.	4.3	28
66	Learning-based error modeling in FDM 3D printing process. <i>Rapid Prototyping Journal</i> , 2021, 27, 507-517.	1.6	28
67	Mining affective needs of automotive industry customers for building a mass-customization recommender system. <i>Journal of Intelligent Manufacturing</i> , 2013, 24, 251-265.	4.4	27
68	Admission and Congestion Control for 5G Network Slicing. , 2018, , .		27
69	Comprehensive user requirements engineering methodology for secure and interoperable health data exchange. <i>BMC Medical Informatics and Decision Making</i> , 2018, 18, 85.	1.5	27
70	A new tool to assess amnesic mild cognitive impairment in Turkish older adults: virtual supermarket (VSM). <i>Aging, Neuropsychology, and Cognition</i> , 2020, 27, 639-653.	0.7	27
71	Stereo image sequence coding based on three-dimensional motion estimation and compensation. <i>Signal Processing: Image Communication</i> , 1995, 7, 129-145.	1.8	26
72	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> , 2020, 139, 105691.	3.4	26

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73	CLOUDLIGHTNING: A Framework for a Self-organising and Self-managing Heterogeneous Cloud. , 2016, , .		26
74	Teaching Assembly by Demonstration Using Advanced Human Robot Interaction and a Knowledge Integration Framework. Procedia Manufacturing, 2017, 11, 164-173.	1.9	25
75	Using Blockchains to Strengthen the Security of Internet of Things. Communications in Computer and Information Science, 2018, , 90-100.	0.4	25
76	Combining Statistical and Machine Learning Techniques in IoT Anomaly Detection for Smart Homes. , 2019, , .		25
77	Disease-biased and shared characteristics of the immunoglobulin gene repertoires in marginal zone B cell lymphoproliferations. Journal of Pathology, 2019, 247, 416-421.	2.1	25
78	NEMESYS: Enhanced Network Security for Seamless Service Provisioning in the Smart Mobile Ecosystem. Lecture Notes in Electrical Engineering, 2013, , 369-378.	0.3	25
79	A Channel Coding Approach for Human Authentication From Gait Sequences. IEEE Transactions on Information Forensics and Security, 2009, 4, 428-440.	4.5	24
80	A Deep Learning framework for simulation and defect prediction applied in microelectronics. Simulation Modelling Practice and Theory, 2020, 100, 102063.	2.2	24
81	Vision-based real-time monitoring of extrusion additive manufacturing processes for automatic manufacturing error detection. International Journal of Advanced Manufacturing Technology, 2021, 115, 3859-3872.	1.5	24
82	Motion and disparity field estimation using rate-distortion optimization. IEEE Transactions on Circuits and Systems for Video Technology, 1998, 8, 171-180.	5.6	23
83	Deformable boundary detection of stents in angiographic images. IEEE Transactions on Medical Imaging, 2000, 19, 652-662.	5.4	23
84	Interactive mixed reality white cane simulation for the training of the blind and the visually impaired. Personal and Ubiquitous Computing, 2009, 13, 51-58.	1.9	23
85	Phase Balancing and Reactive Power Support Services for Microgrids. Applied Sciences (Switzerland), 2019, 9, 5067.	1.3	23
86	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.	1.2	23
87	A generic fault prognostics algorithm for manufacturing industries using unsupervised machine learning classifiers. Simulation Modelling Practice and Theory, 2020, 103, 102109.	2.2	23
88	Virtual user models for the elderly and disabled for automatic simulated accessibility and ergonomics evaluation of designs. Universal Access in the Information Society, 2013, 12, 403-425.	2.1	22
89	Identifying patterns under both normal and abnormal traffic conditions for short-term traffic prediction. Transportation Research Procedia, 2017, 22, 665-674.	0.8	22
90	Experimental and Computational Investigation of Lattice Sandwich Structures Constructed by Additive Manufacturing Technologies. Journal of Manufacturing and Materials Processing, 2021, 5, 95.	1.0	22

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91	3-D model-based segmentation of videoconference image sequences. IEEE Transactions on Circuits and Systems for Video Technology, 1998, 8, 547-561.	5.6	21
92	The role of visual cues in the acquisition and transfer of a voluntary postural sway task. Gait and Posture, 2010, 32, 650-655.	0.6	21
93	Spatiotemporal analysis of human activities for biometric authentication. Computer Vision and Image Understanding, 2012, 116, 411-421.	3.0	21
94	A knowledge-based approach to user interface adaptation from preferences and for special needs. User Modeling and User-Adapted Interaction, 2017, 27, 445-491.	2.9	21
95	Secure IoT e-Health Applications using VICINITY Framework and GDPR Guidelines. , 2019, , .		21
96	Cognitive analytics platform with AI solutions for anomaly detection. Computers in Industry, 2022, 134, 103555.	5.7	21
97	Influence of Selective Laser Melting Additive Manufacturing Parameters in Inconel 718 Superalloy. Materials, 2022, 15, 1362.	1.3	21
98	Image and Video Processing for Visually Handicapped People. Eurasip Journal on Image and Video Processing, 2007, 2007, 1-12.	1.7	20
99	Speed pattern recognition technique for short-term traffic forecasting based on traffic dynamics. IET Intelligent Transport Systems, 2015, 9, 646-653.	1.7	20
100	Utilizing machine learning on freight transportation and logistics applications: A review. ICT Express, 2023, 9, 284-295.	3.3	20
101	Fast content-based search of VRML models based on shape descriptors. IEEE Transactions on Multimedia, 2005, 7, 114-126.	5.2	19
102	Multimodal signal processing and interaction for a driving simulator: Component-based architecture. Journal on Multimodal User Interfaces, 2007, 1, 49-58.	2.0	19
103	Robot's Workspace Enhancement with Dynamic Human Presence for Socially-Aware Navigation. Lecture Notes in Computer Science, 2017, , 279-288.	1.0	19
104	A Survey On Honeypots, Honeynets And Their Applications On Smart Grid. , 2019, , .		19
105	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.	1.2	19
106	A Novel Graph-Based Descriptor for the Detection of Billing-Related Anomalies in Cellular Mobile Networks. IEEE Transactions on Mobile Computing, 2016, 15, 2655-2668.	3.9	18
107	An mHealth System for Monitoring Medication Adherence in Obstructive Respiratory Diseases Using Content Based Audio Classification. IEEE Access, 2018, 6, 11871-11882.	2.6	18
108	Security for Internet of Things: The SerIoT Project. , 2018, , .		18

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109	Technical debt as an indicator of software security risk: a machine learning approach for software development enterprises. <i>Enterprise Information Systems</i> , 2022, 16, .	3.3	18
110	RECLAIM: Toward a New Era of Refurbishment and Remanufacturing of Industrial Equipment. <i>Frontiers in Artificial Intelligence</i> , 2020, 3, 570562.	2.0	18
111	Three-dimensional camera motion estimation and foreground/background separation for stereoscopic image sequences. <i>Optical Engineering</i> , 1997, 36, 574.	0.5	17
112	Occlusion and visible background and foreground areas in stereo: a Bayesian approach. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2000, 10, 563-575.	5.6	17
113	Visual analytics for BGP monitoring and prefix hijacking identification. <i>IEEE Network</i> , 2012, 26, 33-39.	4.9	17
114	An Immunogenetic Signature of Ongoing Antigen Interactions in Splenic Marginal Zone Lymphoma Expressing IGHV1-2*04 Receptors. <i>Clinical Cancer Research</i> , 2016, 22, 2032-2040.	3.2	17
115	Research and Innovation Action for the Security of the Internet of Things: The SerIoT Project. <i>Communications in Computer and Information Science</i> , 2018, , 101-118.	0.4	17
116	Acceleration at the Edge for Supporting SMEs Security: The FORTIKA Paradigm. <i>IEEE Communications Magazine</i> , 2019, 57, 41-47.	4.9	17
117	Real-Time Abnormal Event Detection for Enhanced Security in Autonomous Shuttles Mobility Infrastructures. <i>Sensors</i> , 2020, 20, 4943.	2.1	17
118	Securing Emission Data of Smart Vehicles with Blockchain and Self-Sovereign Identities. , 2020, , .		17
119	A Decision Support System Tool to Manage the Flexibility in Renewable Energy-Based Power Systems. <i>Energies</i> , 2020, 13, 153.	1.6	17
120	A Tri-Layer Optimization Framework for Day-Ahead Energy Scheduling Based on Cost and Discomfort Minimization. <i>Energies</i> , 2021, 14, 3599.	1.6	17
121	Predictive Maintenance for Injection Molding Machines Enabled by Cognitive Analytics for Industry 4.0. <i>Frontiers in Artificial Intelligence</i> , 2020, 3, 578152.	2.0	17
122	Deep Learning in mHealth for Cardiovascular Disease, Diabetes, and Cancer: Systematic Review. <i>JMIR MHealth and UHealth</i> , 2022, 10, e32344.	1.8	17
123	Isomerization of the Xaa-Pro peptide bond induced by ionic interactions of arginine. , 1996, 38, 673-682.		16
124	Use of nonlinear principal component analysis and vector quantization for image coding. <i>IEEE Transactions on Image Processing</i> , 1998, 7, 1218-1223.	6.0	16
125	Enabling user interface developers to experience accessibility limitations through visual, hearing, physical and cognitive impairment simulation. <i>Universal Access in the Information Society</i> , 2014, 13, 227-248.	2.1	16
126	Occupancy driven building performance assessment. <i>Journal of Innovation in Digital Ecosystems</i> , 2016, 3, 57-69.	1.3	16



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127	Large-scale simulation of a self-organizing self-management cloud computing framework. Journal of Supercomputing, 2018, 74, 530-550.	2.4	16
128	Effective mechanical properties of additive manufactured triply periodic minimal surfaces: experimental and finite element study. International Journal of Advanced Manufacturing Technology, 2022, 121, 7169-7189.	1.5	16
129	Towards standardisation of user models for simulation and adaptation purposes. Universal Access in the Information Society, 2016, 15, 21-48.	2.1	15
130	3D Underground Mapping with a Mobile Robot and a GPR Antenna. , 2018, , .		15
131	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	15
132	Audio-Based Event Detection at Different SNR Settings Using Two-Dimensional Spectrogram Magnitude Representations. Electronics (Switzerland), 2020, 9, 1593.	1.8	15
133	Effective Mechanical Properties of Additive Manufactured Strut-Lattice Structures: Experimental and Finite Element Study. Advanced Engineering Materials, 2022, 24, .	1.6	15
134	An enhanced Graph Analytics Platform (GAP) providing insight in Big Network Data. Journal of Innovation in Digital Ecosystems, 2016, 3, 83-97.	1.3	14
135	Robust Human Pose Tracking For Realistic Service Robot Applications. , 2017, , .		14
136	Human resource optimisation through semantically-enriched data. International Journal of Production Research, 2018, 56, 2855-2877.	4.9	14
137	Methods and Tools for TD Estimation and Forecasting: A State-of-the-art Survey. , 2018, , .		14
138	A low-cost room-level indoor localization system with easy setup for medical applications. , 2018, , .		14
139	Implementing a Forms of Consent Smart Contract on an IoT-based Blockchain to promote user trust. , 2018, , .		14
140	Smart, personalized and adaptive ICT solutions for active, healthy and productive ageing with enhanced workability. , 2019, , .		14
141	IoT Network Attack Detection and Mitigation. , 2020, , .		14
142	RAMCIP: Towards a Robotic Assistant to Support Elderly with Mild Cognitive Impairments at Home. Communications in Computer and Information Science, 2016, , 186-195.	0.4	14
143	Short Survey of Artificial Intelligent Technologies for Defect Detection in Manufacturing. , 2021, , .		14
144	Machine Learning-Based Mechanical Behavior Optimization of 3D Print Constructs Manufactured Via the FFF Process. Journal of Materials Engineering and Performance, 2022, 31, 4697-4706.	1.2	14

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145	Optimal construction of subband coders using Lloyd-Max quantizers. IEEE Transactions on Image Processing, 1998, 7, 649-667.	6.0	13
146	Permissioned Blockchains and Virtual Nodes for Reinforcing Trust Between Aggregators and Prosumers in Energy Demand Response Scenarios. , 2019, , .		13
147	Deep multi-sensorial data analysis for production monitoring in hard metal industry. International Journal of Advanced Manufacturing Technology, 2021, 115, 823-836.	1.5	13
148	Towards a Blockchain-based Identity and Trust Management Framework for the IoV Ecosystem. , 2020, , .		13
149	An interdisciplinary approach on efficient virtual microgrid to virtual microgrid energy balancing incorporating data preprocessing techniques. Computing (Vienna/New York), 2022, 104, 209-250.	3.2	13
150	Optimal pyramidal decomposition for progressive multidimensional signal coding using optimal quantizers. IEEE Transactions on Signal Processing, 1998, 46, 1054-1068.	3.2	12
151	Haptic access to conventional 2D maps for the visually impaired. Journal on Multimodal User Interfaces, 2007, 1, 13-19.	2.0	12
152	A Socio-Technical System Based on Gamification Towards Energy Savings. , 2018, , .		12
153	Abnormal Behavior Detection for Elderly People Living Alone Leveraging IoT Sensors. , 2019, , .		12
154	Joint three-dimensional motion/disparity segmentation for object-based stereo image sequence coding. Optical Engineering, 1996, 35, 137.	0.5	11
155	Flexible 3D motion estimation and tracking for multiview image sequence coding 1 1This work was supported by the EU CEC Project ACTS PANORAMA (Package for New Autostereoscopic Multiview) Tj ETQq1 1 0.784314 rgBT /Overlock Programme YPER.. Signal Processing: Image Communication, 1998, 14, 95-110.	1.8	11
156	Masterpiece: Physical Interaction and 3D Content-Based Search in VR Applications. IEEE MultiMedia, 2006, 13, 92-100.	1.5	11
157	Using Modality Replacement to Facilitate Communication between Visually and Hearing-Impaired People. IEEE MultiMedia, 2011, 18, 26-37.	1.5	11
158	Visual spam campaigns analysis using abstract graphs representation. , 2012, , .		11
159	Security for smart mobile networks: The NEMESYS approach. , 2013, , .		11
160	Security for smart mobile networks: The NEMESYS approach. , 2013, , .		11
161	Mining traffic data for road incidents detection. , 2014, , .		11
162	Improvement of the Workersâ€™ Satisfaction and Collaborative Spirit Through Gamification. Lecture Notes in Computer Science, 2017, , 184-191.	1.0	11

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163	A Blockchain Platform in Connected Medical-Device Environments: Trustworthy technology to guard against cyberthreats. IEEE Consumer Electronics Magazine, 2019, 8, 50-55.	2.3	11
164	Data analysis and visualization framework in the manufacturing decision support system of COMPOSITION project. Procedia Manufacturing, 2019, 28, 57-62.	1.9	11
165	Multi-person 3D pose estimation from 3D cloud data using 3D convolutional neural networks. Computer Vision and Image Understanding, 2019, 185, 12-23.	3.0	11
166	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.	3.9	11
167	From a Low-Cost Air Quality Sensor Network to Decision Support Services: Steps towards Data Calibration and Service Development. Sensors, 2021, 21, 3190.	2.1	11
168	RINNO: Towards an Open Renovation Platform for Integrated Design and Delivery of Deep Renovation Projects. Sustainability, 2021, 13, 6018.	1.6	11
169	Investigating the effect of global metrics in travel time forecasting. , 2013, , .		10
170	Border gateway protocol graph: detecting and visualising internet routing anomalies. IET Information Security, 2016, 10, 125-133.	1.1	10
171	A Probabilistic Framework for the Reliability Assessment of Crowd Sourcing Urban Traffic Reports. Transportation Research Procedia, 2016, 14, 4552-4561.	0.8	10
172	Novel hybrid design for microgrid control. , 2017, , .		10
173	RAMCIP - A Service Robot for MCI Patients at Home. , 2018, , .		10
174	Assessing the Frailty of Older People using Bluetooth Beacons Data. , 2018, , .		10
175	Benchmark Comparison of Analytical, Data-Based and Hybrid Models for Multi-Step Short-Term Photovoltaic Power Generation Forecasting. Energies, 2020, 13, 5978.	1.6	10
176	A hierarchical model for quantifying software security based on static analysis alerts and software metrics. Software Quality Journal, 2021, 29, 431-507.	1.4	10
177	A Mixed Reality Learning Environment for Geometry Education. Lecture Notes in Computer Science, 2004, , 93-102.	1.0	10
178	Performance Evaluation of different Hyperledger Sawtooth transaction processors for Blockchain log storage with varying workloads. , 2020, , .		10
179	Gamification concepts for leveraging knowledge sharing in Industry 4.0. International Journal of Serious Games, 2019, 6, 75-87.	0.8	10
180	Rigid 3-D motion estimation using neural networks and initially estimated 2-D motion data. IEEE Transactions on Circuits and Systems for Video Technology, 2000, 10, 158-165.	5.6	9

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181	Evaluating the Effect of Time Series Segmentation on STARIMA-Based Traffic Prediction Model. , 2015, , .		9
182	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.	1.4	9
183	Towards Reliable Integrity in Blacklisting: Facing Malicious IPs in GHOST Smart Contracts. , 2018, , .		9
184	Automated shape-based clustering of 3D immunoglobulin protein structures in chronic lymphocytic leukemia. BMC Bioinformatics, 2018, 19, 414.	1.2	9
185	Real-Time 3D Reconstruction in Minimally Invasive Surgery with Quasi-Dense Matching. , 2018, , .		9
186	Occupancy-based decision support system for building management: From automation to end-user persuasion. International Journal of Energy Research, 2019, 43, 2261-2280.	2.2	9
187	An AI-Enabled Stock Prediction Platform Combining News and Social Sensing with Financial Statements. Future Internet, 2021, 13, 138.	2.4	9
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