Dimitrios Tzovaras

List of Publications by Year
in descending order

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	Smart Workplaces for older adults: coping 'ethically' with technology pervasiveness. Universal Access in the Information Society, 2023, 22, 37-49.	2.1	9
2	Cross-Domain Knowledge Transfer Using High Dynamic Range Imaging in Synthetic Datasets. Cybernetics and Systems, 2023, 54, 372-386.	1.6	0
3	Utilizing machine learning on freight transportation and logistics applications: A review. ICT Express, 2023, 9, 284-295.	3.3	20
4	Technical debt as an indicator of software security risk: a machine learning approach for software development enterprises. Enterprise Information Systems, 2022, 16, .	3.3	18
5	A hybrid matchmaking approach in the ambient assisted living domain. Universal Access in the Information Society, 2022, 21, 53-70.	2.1	4
6	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
7	Graph-based visualization of sensitive medical data. Multimedia Tools and Applications, 2022, 81, 209-236.	2.6	6
8	A RAkEL-based methodology to estimate software vulnerability characteristics & score - an application to EU project ECHO. Multimedia Tools and Applications, 2022, 81, 9459-9479.	2.6	5
9	A comparison of 2DCNN network architectures and boosting techniques for regression-based textile whiteness estimation. Simulation Modelling Practice and Theory, 2022, 114, 102400.	2.2	6
10	Effective Mechanical Properties of Additive Manufactured Strut‐Lattice Structures: Experimental and Finite Element Study. Advanced Engineering Materials, 2022, 24, .	1.6	15
11	Non-Negative Sparse PCA: An Intelligible Exact Approach. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 192-204.	3.4	1
12	Cognitive analytics platform with AI solutions for anomaly detection. Computers in Industry, 2022, 134, 103555.	5.7	21
13	Robotic Assistance in Medication Intake: A Complete Pipeline. Applied Sciences (Switzerland), 2022, 12, 1379.	1.3	2
14	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
15	Time Series Network Data Enabling Distributed Intelligence—A Holistic IoT Security Platform Solution. Electronics (Switzerland), 2022, 11, 529.	1.8	2
16	A Novel Image and Audio-based Artificial Intelligence Service for Security Applications in Autonomous Vehicles. Transportation Research Procedia, 2022, 62, 294-301.	0.8	3
17	Influence of Selective Laser Melting Additive Manufacturing Parameters in Inconel 718 Superalloy. Materials, 2022, 15, 1362.	1.3	21
18	A low-cost business-oriented seaport energy effective management platform. International Journal of Applied Power Engineering (IJAPE), 2022, 11, 62.	0.1	0

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19	Low frequency residential non-intrusive load monitoring based on a hybrid feature extraction tree-learning approach. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 493-514.	1.2	3
20	NRG4-U: a novel home energy management system for a unique loadprofile. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 353-378.	1.2	3
21	Data Protection and Cybersecurity Certification Activities and Schemes in the Energy Sector. Electronics (Switzerland), 2022, 11, 965.	1.8	4
22	Cost Modelling to Support Optimum Selection of Life Extension Strategy for Industrial Equipment in Smart Manufacturing. Circular Economy and Sustainability, 2022, 2, 1425-1444.	3.3	6
23	Deep Learning in mHealth for Cardiovascular Disease, Diabetes, and Cancer: Systematic Review. JMIR MHealth and UHealth, 2022, 10, e32344.	1.8	17
24	Usability of the Virtual Supermarket Test for Older Adults with and without Cognitive Impairment. Journal of Alzheimer's Disease Reports, 2022, 6, 229-234.	1.2	6
25	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	1
26	Proactive Buildings: A Prescriptive Maintenance Approach. IFIP Advances in Information and Communication Technology, 2022, , 289-300.	0.5	3
27	Anomaly Detection in Small-Scale Industrial and Household Appliances. IFIP Advances in Information and Communication Technology, 2022, , 229-240.	0.5	2
28	On the Generalizability of Two-dimensional Convolutional Neural Networks for Fake Speech Detection. , 2022, , .		5
29	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
30	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
31	A graph neural network method for distributed anomaly detection in IoT. Evolving Systems, 2021, 12, 19-36.	2.4	53
32	A Recommendation Specific Human Activity Recognition Dataset with Mobile Device's Sensor Data. IFIP Advances in Information and Communication Technology, 2021, , 327-339.	0.5	1
33	Towards life-long mapping of dynamic environments using temporal persistence modeling. , 2021, , .		4
34	Spatially-Constrained Semantic Segmentation with Topological Maps and Visual Embeddings. Lecture Notes in Computer Science, 2021, , 117-129.	1.0	0
35	An Autonomous Illumination System for Vehicle Documentation Based on Deep Reinforcement Learning. IEEE Access, 2021, 9, 75336-75348.	2.6	2
36	Improving Energy Efficiency in Tertiary Buildings Through User-Driven Recommendations Delivered on Optimal Micro-moments. IFIP Advances in Information and Communication Technology, 2021, , 352-363.	0.5	0

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37	A Multimodal AI-Leveraged Counter-UAV Framework for Diverse Environments. IFIP Advances in Information and Communication Technology, 2021, , 228-239.	0.5	1
38	Benchmarking of Regression Algorithms for Simulating the Building's Energy. , 2021, , .		1
39	District Energy Optimization Based on MLP Simulation. , 2021, , .		1
40	Video Popularity Prediction Through Fusing Early Viewership with Video Content. Lecture Notes in Computer Science, 2021, , 159-168.	1.0	3
41	Short Term Net Imbalance Volume Forecasting Through Machine and Deep Learning: A UK Case Study. IFIP Advances in Information and Communication Technology, 2021, , 377-389.	0.5	0
42	Learning-based error modeling in FDM 3D printing process. Rapid Prototyping Journal, 2021, 27, 507-517.	1.6	28
43	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
44	A Characterization of 3D Printability. Computer-Aided Design and Applications, 2021, 18, 1279-1295.	0.4	2
45	A Mobile-Based Multimodal Framework for Pervasive Health Monitoring. , 2021, , .		3
46	A Virtual Reality-Based Screening Test for Cognitive Impairment in Small Vessel Disease. Journal of Alzheimer's Disease Reports, 2021, 5, 161-169.	1.2	3
47	A Hypothesis Testing tool for the comparison of different Cyber-Security Mitigation Strategies in IoT. , 2021, , .		0
48	Evaluation of selfâ€organizing and selfâ€managing heterogeneous high performance computing clouds through discreteâ€time simulation. Concurrency Computation Practice and Experience, 2021, 33, e6326.	1.4	3
49	Impact of metal additive manufacturing parameters on the powder bed fusion and direct energy deposition processes: a comprehensive review. Progress in Additive Manufacturing, 2021, 6, 349-365.	2.5	48
50	MLP for Spatio-Temporal Traffic Volume Forecasting. , 2021, , .		3
51	Modelling spatio-temporal ageing phenomena with deep Generative Adversarial Networks. Signal Processing: Image Communication, 2021, 94, 116200.	1.8	5
52	Multi-Step Energy Demand and Generation Forecasting with Confidence Used for Specification-Free Aggregate Demand Optimization. Energies, 2021, 14, 3162.	1.6	4
53	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
54	RINNO: Towards an Open Renovation Platform for Integrated Design and Delivery of Deep Renovation Projects. Sustainability, 2021, 13, 6018.	1.6	11

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55	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
56	Machine Learning and Deep Learning in smart manufacturing: The Smart Grid paradigm. Computer Science Review, 2021, 40, 100341.	10.2	125
57	An AI-Enabled Stock Prediction Platform Combining News and Social Sensing with Financial Statements. Future Internet, 2021, 13, 138.	2.4	9
58	OptiMEMS: An Adaptive Lightweight Optimal Microgrid Energy Management System Based on the Novel Virtual Distributed Energy Resources in Real-Life Demonstration. Energies, 2021, 14, 2752.	1.6	5
59	Introducing an application of an industry 4.0 solution for circular supply chain management. Journal of Cleaner Production, 2021, 300, 126886.	4.6	92
60	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
61	An AI-Enabled Framework for Real-Time Generation of News Articles Based on Big EO Data for Disaster Reporting. Future Internet, 2021, 13, 161.	2.4	1
62	A Tri-Layer Optimization Framework for Day-Ahead Energy Scheduling Based on Cost and Discomfort Minimization. Energies, 2021, 14, 3599.	1.6	17
63	Incentive-Based Demand Response Framework for Residential Applications: Design and Real-Life Demonstration. Energies, 2021, 14, 4315.	1.6	6
64	Decentralizing Identity Management and Vehicle Rights Delegation through Self-Sovereign Identities and Blockchain. , 2021, , .		5
65	SPEAR SIEM: A Security Information and Event Management system for the Smart Grid. Computer Networks, 2021, 193, 108008.	3.2	38
66	A Scalable Multi-Agent System for Black Start Restoration in Low Voltage Microgrids. , 2021, , .		3
67	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
68	The Smart Evolution of Historical Cities: Integrated Innovative Solutions Supporting the Energy Transition while Respecting Cultural Heritage. Sustainability, 2021, 13, 9358.	1.6	5
69	Optimal, dynamic and reliable demand-response via OpenADR-compliant multi-agent virtual nodes: Design, implementation & evaluation. Journal of Cleaner Production, 2021, 314, 127844.	4.6	3
70	RiskRadar: development and pilot results of a technical intervention targeting combination prevention regarding HIV, viral hepatitis, sexually transmitted infections and tuberculosis. BMC Infectious Diseases, 2021, 21, 866.	1.3	2
71	Road Tracking in Semi-structured Environments Using Spatial Distribution of Lidar Data. Lecture Notes in Computer Science, 2021, , 432-445.	1.0	6
72	Multi-modal 3D Human Pose Estimation for Human-Robot Collaborative Applications. Lecture Notes in Computer Science, 2021, , 355-364.	1.0	1

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73	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	0
74	A Multi-modal Audience Analysis System for Predicting Popularity of Online Videos. Proceedings of the International Neural Networks Society, 2021, , 465-476.	0.6	2
75	Short Survey of Artificial Intelligent Technologies for Defect Detection in Manufacturing. , 2021, , .		14
76	Generating 2.5D Photorealistic Synthetic Datasets for Training Machine Vision Algorithms. Advances in Intelligent Systems and Computing, 2021, , 636-646.	0.5	0
77	Introducing a novel approach in one-step ahead energy load forecasting. Sustainable Computing: Informatics and Systems, 2021, 32, 100616.	1.6	8
78	AI-supported Forecasting of Intermodal Freight Transportation Delivery Time. , 2021, , .		3
79	On the Optimization of Self-Organization and Self-Management Hardware Resource Allocation for Heterogeneous Clouds. Computers, 2021, 10, 147.	2.1	0
80	Missing Data Imputation and Meta-analysis on Correlation of Spatio-Temporal Weather Series Data. , 2021, , .		1
81	Evaluating Spectral Magnitude Representation and Spectral Energy for Audio-based Activity Detection. , 2021, , .		0
82	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.	3.4	26
83	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
84	Using Auditory Features for WiFi Channel State Information Activity Recognition. SN Computer Science, 2020, 1, 1.	2.3	7
85	Text synthesis from keywords: a comparison of recurrent-neural-network-based architectures and hybrid approaches. Neural Computing and Applications, 2020, 32, 4259-4274.	3.2	0
86	A new tool to assess amnestic mild cognitive impairment in Turkish older adults: virtual supermarket (VSM). Aging, Neuropsychology, and Cognition, 2020, 27, 639-653.	0.7	27
87	Towards simulation and optimization of cache placement on large virtual content distribution networks. Journal of Computational Science, 2020, 39, 101052.	1.5	8
88	A Deep Learning framework for simulation and defect prediction applied in microelectronics. Simulation Modelling Practice and Theory, 2020, 100, 102063.	2.2	24
89	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
90	An Audio-Based Method for Assessing Proper Usage of Dry Powder Inhalers. Applied Sciences (Switzerland), 2020, 10, 6677.	1.3	1

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91	A Lightweight Cyber-Security Defense Framework for Smart Homes. , 2020, , .		7
92	Real-Time Abnormal Event Detection for Enhanced Security in Autonomous Shuttles Mobility Infrastructures. Sensors, 2020, 20, 4943.	2.1	17
93	Non-destructive quality control methods in additive manufacturing: a survey. Rapid Prototyping Journal, 2020, 26, 777-790.	1.6	67
94	Towards a Holistic Microgrid Performance Framework and a Data-Driven Assessment Analysis. Energies, 2020, 13, 5780.	1.6	1
95	A Gamified Augmented Reality Application for Digital Heritage and Tourism. Applied Sciences (Switzerland), 2020, 10, 7868.	1.3	43
96	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
97	IoT Network Attack Detection and Mitigation. , 2020, , .		14
98	Inflammatory state of lymphatic vessels and miRNA profiles associated with relapse in ovarian cancer patients. PLoS ONE, 2020, 15, e0230092.	1.1	4
99	An integrated system for automated 3D visualization and monitoring of vehicles. International Journal of Advanced Manufacturing Technology, 2020, 111, 1797-1809.	1.5	4
100	Smart Algorithm for Unhealthy Behavior Detection in Health Parameters. , 2020, , .		0
101	Quaternion Harris For Multispectral Keypoint Detection. , 2020, , .		3
102	Securing Emission Data of Smart Vehicles with Blockchain and Self-Sovereign Identities. , 2020, , .		17
103	Real-Time Physical Activity Recognition on Smart Mobile Devices Using Convolutional Neural Networks. Applied Sciences (Switzerland), 2020, 10, 8482.	1.3	28
104	Audio-Based Event Detection at Different SNR Settings Using Two-Dimensional Spectrogram Magnitude Representations. Electronics (Switzerland), 2020, 9, 1593.	1.8	15
105	A Behaviour based Ransomware Detection using Neural Network Models. , 2020, , .		3
106	Socio-Economic Effect on ICT-Based Persuasive Interventions Towards Energy Efficiency in Tertiary Buildings. Energies, 2020, 13, 1700.	1.6	4
107	Towards the behavior analysis of chemical reactors utilizing data-driven trend analysis and machine learning techniques. Applied Soft Computing Journal, 2020, 94, 106464.	4.1	5
108	Effectiveness of myAirCoach: A mHealth Self-Management System in Asthma. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 1972-1979.e8.	2.0	42

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109	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.	3.8	29
110	A Decision Support System Tool to Manage the Flexibility in Renewable Energy-Based Power Systems. Energies, 2020, 13, 153.	1.6	17
111	Towards a Blockchain-based Identity and Trust Management Framework for the IoV Ecosystem. , 2020, , .		13
112	Audio content analysis for unobtrusive event detection in smart homes. Engineering Applications of Artificial Intelligence, 2020, 89, 103226.	4.3	28
113	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
114	Multi-objective Optimisation for Slice-aware Resource Orchestration in 5G Networks. , 2020, , .		3
115	RECLAIM: Toward a New Era of Refurbishment and Remanufacturing of Industrial Equipment. Frontiers in Artificial Intelligence, 2020, 3, 570562.	2.0	18
116	Simulating Across the Cloud-to-Edge Continuum. Palgrave Studies in Digital Business & Enabling Technologies, 2020, , 93-115.	1.3	2
117	Knowledge-Based Management andÂReasoning on Cultural and Natural Touristic Routes. IFIP Advances in Information and Communication Technology, 2020, , 355-367.	0.5	1
118	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
119	A generic fault prognostics algorithm for manufacturing industries using unsupervised machine learning classifiers. Simulation Modelling Practice and Theory, 2020, 103, 102109.	2.2	23
120	Hybrid multiâ€agentâ€based adaptive control scheme for AC microgrids with increased faultâ€tolerance needs. IET Renewable Power Generation, 2020, 14, 13-26.	1.7	9
121	A prototype educational virtual assistant for diabetes management. , 2020, , .		8
122	Performance Evaluation of different Hyperledger Sawtooth transaction processors for Blockchain log storage with varying workloads. , 2020, , .		10
123	5. IoT Network Risk Assessment and Mitigation: The SerIoT Approach. , 2020, , .		8
124	COVID-19 Mobile Apps: A Systematic Review of the Literature. Journal of Medical Internet Research, 2020, 22, e23170.	2.1	143
125	Energy Consumption in Public Buildings - A survey in Greece. , 2020, , .		2
126	Optimal Comfort Conditions in Residential Houses. , 2020, , .		5

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127	Predictive Maintenance for Injection Molding Machines Enabled by Cognitive Analytics for Industry 4.0. Frontiers in Artificial Intelligence, 2020, 3, 578152.	2.0	17
128	In Situ Visual Quality Control in 3D Printing. , 2020, , .		9
129	A Knowledge-Based Graphical Interface for Modeling Surgical Workflows in Robot-Assisted Minimally Invasive Surgery. IFMBE Proceedings, 2020, , 1581-1589.	0.2	0
130	Augmented and Virtual Reality in Minimally Invasive Surgery, State of the Art and Future Prospects. IFMBE Proceedings, 2020, , 1590-1595.	0.2	0
131	Augmented Reality Toolkit for a Smart Robot-Assisted MIS Platform. IFMBE Proceedings, 2020, , 1536-1544.	0.2	1
132	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.	0.8	6
133	Value of pre-existent bacterial colonization in patients with advanced/relapsed ovarian neoplasms undergoing cytoreductive surgery: a multicenter observational study (BONSAI). International Journal of Gynecological Cancer, 2020, 30, 1562-1568.	1.2	0
134	Lasting and Spillover Effects of Ambient Eco-Feedback in the Office-based Workplace. , 2020, , .		1
135	A Graph-Based Reputation Assessment System for Online Review Communities. , 2020, , .		0
136	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	3
137	Next Generation Cloud Architectures. Palgrave Studies in Digital Business & Enabling Technologies, 2020, , 23-39.	1.3	4
138	Integrated Topological Planning and Scheduling for Orchestrating Large Human-Robot Collaborative Teams. Lecture Notes in Computer Science, 2020, , 23-35.	1.0	1
139	Optimal Recommendation Strategy Identification towards Energy Efficiency in Tertiary Buildings. , 2020, , .		0
140	Dynamic Multi-agent OpenADR Virtual Nodes for Distributed Demand Response Schemes. , 2020, , .		2
141	An Efficient Method for Accelerating Training of Short-Term Traffic Prediction Models in Large-Scale Traffic Networks. , 2020, , .		0
142	Microgrid Environmental Impact. , 2020, , .		0
143	occupI: A novel Non-Intrusive Occupancy Inference Tool. , 2020, , .		2
144	activIn: A novel Non-Intrusive Activity Inference Tool. , 2020, , .		2

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145	Anomaly Detection in Aluminium Production with Unsupervised Machine Learning Classifiers. , 2019, , .		2
146	Health Vision: An interactive web based platform for healthcare data analysis and visualisation. , 2019, , .		3
147	Secure IoT e-Health Applications using VICINITY Framework and GDPR Guidelines. , 2019, , .		21
148	Permissioned Blockchains and Virtual Nodes for Reinforcing Trust Between Aggregators and Prosumers in Energy Demand Response Scenarios. , 2019, , .		13
149	A Methodological Framework for the Selection of Key Performance Indicators to Assess Smart City Solutions. Smart Cities, 2019, 2, 269-306.	5.5	41
150	DRIMPACâ€"Unified Demand Response Interoperability Framework Enabling Market Participation of Active Energy Consumers. Proceedings (mdpi), 2019, 20, 15.	0.2	3
151	Requirements elicitation for secure and interoperable crossâ€border health data exchange: the KONFIDO study. IET Software, 2019, 13, 203-210.	1.5	1
152	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
153	Cybersecurity in SMEs: The Smart-Home/Office Use Case. , 2019, , .		8
154	Deep Learning on Multi Sensor Data for Counter UAV Applicationsâ€"A Systematic Review. Sensors, 2019, 19, 4837.	2.1	115
155	Smart Discovery of Cultural and Natural Tourist Routes. , 2019, , .		3
156	Intrusion Detection System Based on Network Traffic Using Deep Neural Networks. , 2019, , .		8
157	A Survey On Honeypots, Honeynets And Their Applications On Smart Grid. , 2019, , .		19
158	Runtime and Routing Security Policy Verification for Enhanced Quality of Service of IoT Networks. , 2019, , .		1
159	Data Analytics Platform for the Optimization of Waste Management Procedures. , 2019, , .		8
160	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
161	Security Challenges in the eHealth Domain: The VICINITY Approach. , 2019, , .		0
162	Smart, personalized and adaptive ICT solutions for active, healthy and productive ageing with enhanced workability. , 2019, , .		14

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163	Data analysis and visualization framework in the manufacturing decision support system of COMPOSITION project. Procedia Manufacturing, 2019, 28, 57-62.	1.9	11
164	A Low-Cost Indoor Activity Monitoring System for Detecting Frailty in Older Adults. Sensors, 2019, 19, 452.	2.1	33
165	Data Analytics Towards Predictive Maintenance for Industrial Ovens. Lecture Notes in Business Information Processing, 2019, , 83-94.	0.8	4
166	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
167	The European cross-border health data exchange roadmap: Case study in the Italian setting. Journal of Biomedical Informatics, 2019, 94, 103183.	2.5	31
168	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
169	Simulating Fog and Edge Computing Scenarios: An Overview and Research Challenges. Future Internet, 2019, 11, 55.	2.4	93
170	Understanding of Human Behavior with a Robotic Agent Through Daily Activity Analysis. International Journal of Social Robotics, 2019, 11, 437-462.	3.1	30
171	RAMCIP Robot: A Personal Robotic Assistant; Demonstration of a Complete Framework. Lecture Notes in Computer Science, 2019, , 96-111.	1.0	3
172	Acceleration at the Edge for Supporting SMEs Security: The FORTIKA Paradigm. IEEE Communications Magazine, 2019, 57, 41-47.	4.9	17
173	A Hybrid Human-Robot Collaborative Environment for Recycling Electrical and Electronic Equipment. , 2019, , .		6
174	Redefining Micro-Moments for Improving Energy Behaviour: The SIT4Energy Approach. , 2019, , .		3
175	Facial Soft Biometrics Detection on Low Power Devices. , 2019, , .		4
176	Analyzing resource distribution over a real-world large-scale virtual content infrastructure. , 2019, , .		0
177	Complex Engineering Systems as an enabler for security in Internet of Vehicles: The nIoVe approach. , 2019, , .		5
178	A light-weighted ANN architecture for the classification of cyber-threats in modern communication networks. , 2019, , .		2
179	A New Shopfloor Orchestration Approach for Collaborative Human-Robot Device Disassembly. , 2019, , .		3
180	Phase Balancing and Reactive Power Support Services for Microgrids. Applied Sciences (Switzerland), 2019, 9, 5067.	1.3	23

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181	Automatic Subsurface Map Generation Based on GPR Data Processing. , 2019, , .		0
182	Surface Exploration with a Robot-Trailer System for Autonomous Subsurface Scanning. , 2019, , .		2
183	A Social Robot-Based Platform for Prevention of Childhood Obesity. , 2019, , .		7
184	GPR Antenna localization based on A-Scans. , 2019, , .		2
185	The Smart City Business Model Canvasâ€"A Smart City Business Modeling Framework and Practical Tool. Energies, 2019, 12, 4798.	1.6	40
186	AMANDA: An Autonomous Self-Powered Miniaturized Smart Sensing Embedded System. , 2019, , .		2
187	Abnormal Behavior Detection for Elderly People Living Alone Leveraging IoT Sensors. , 2019, , .		12
188	Gait Matching by Mapping Wearable to Camera Privacy-Preserving Recordings: Experimental Comparison of Multiple Settings. , 2019, , .		2
189	Combining Statistical and Machine Learning Techniques in IoT Anomaly Detection for Smart Homes. , 2019, , .		25
190	VICINITY: IoT Semantic Interoperability Based on the Web of Things. , 2019, , .		6
191	A systematic distributing sensor system prototype for respiratory diseases. , 2019, , .		1
192	Iris Authentication Utilizing Co-occurrence Matrices and Textile Features. , 2019, , .		0
193	Simulating large vCDN networks: A parallel approach. Simulation Modelling Practice and Theory, 2019, 92, 100-114.	2.2	6
194	Diseaseâ€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
195	V-Disparity Based Obstacle Avoidance for Dynamic Path Planning of a Robot-Trailer. Lecture Notes in Computer Science, 2019, , 143-152.	1.0	1
196	Automated Mechanical Multi-sensorial Scanning. Lecture Notes in Computer Science, 2019, , 433-442.	1.0	1
197	Color-Guided Adaptive Support Weights for Active Stereo Systems. Lecture Notes in Computer Science, 2019, , 501-510.	1.0	2
198	Multimodal Deep Learning Framework for Enhanced Accuracy of UAV Detection. Lecture Notes in Computer Science, 2019, , 768-777.	1.0	7

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199	myAirCoach: mHealth assisted self-management in patients with uncontrolled asthma, a randomized control trial. , 2019, , .		1
200	Gamification concepts for leveraging knowledge sharing in Industry 4.0. International Journal of Serious Games, 2019, 6, 75-87.	0.8	10
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203	A Dynamic Convergence Algorithm forÂThermal Comfort Modelling. Lecture Notes in Computer Science, 2019, , 680-689.	1.0	2
204	An Advanced Human-Robot Interaction Interface for Collaborative Robotic Assembly Tasks. , 2019, , 794-812.		1
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