

Eftim Zdravevski

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

1,812
citations

448610

19
h-index

425179

34
g-index

119
all docs

119
docs citations

119
times ranked

1784
citing authors

#	ARTICLE	IF	CITATIONS
1	Literature Review on Artificial Intelligence Methods for Glaucoma Screening, Segmentation, and Classification. <i>Journal of Imaging</i> , 2022, 8, 19.	1.7	19
2	Development Technologies for the Monitoring of Six-Minute Walk Test: A Systematic Review. <i>Sensors</i> , 2022, 22, 581.	2.1	14
3	Technological Solutions for Sign Language Recognition: A Scoping Review of Research Trends, Challenges, and Opportunities. <i>IEEE Access</i> , 2022, 10, 40979-40998.	2.6	12
4	GAN-Based Image Colorization for Self-Supervised Visual Feature Learning. <i>Sensors</i> , 2022, 22, 1599.	2.1	21
5	Daily motionless activities: A dataset with accelerometer, magnetometer, gyroscope, environment, and GPS data. <i>Scientific Data</i> , 2022, 9, 105.	2.4	3
6	A Comprehensive Review of Methods and Equipment for Aiding Automatic Glaucoma Tracking. <i>Diagnostics</i> , 2022, 12, 935.	1.3	4
7	Can the Eight Hop Test Be Measured with Sensors? A Systematic Review. <i>Sensors</i> , 2022, 22, 3582.	2.1	0
8	Monitoring of Cardiovascular Diseases: An Analysis of the Mobile Applications Available in the Google Play Store. <i>Electronics (Switzerland)</i> , 2022, 11, 1881.	1.8	1
9	Are Active and Assisted Living applications addressing the main acceptance concerns of their beneficiaries? Preliminary insights from a scoping review. , 2022, , .		0
10	Prediction of Atrial Fibrillation using artificial intelligence on Electrocardiograms: A systematic review. <i>Computer Science Review</i> , 2021, 39, 100334.	10.2	22
11	CoviHealth: A Pilot Study with Teenagers in Schools of Centre of Portugal. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2021, , 139-147.	0.2	0
12	Multi-Horizon Air Pollution Forecasting with Deep Neural Networks. <i>Sensors</i> , 2021, 21, 1235.	2.1	24
13	Applications of Machine Learning in Human Microbiome Studies: A Review on Feature Selection, Biomarker Identification, Disease Prediction and Treatment. <i>Frontiers in Microbiology</i> , 2021, 12, 634511.	1.5	157
14	An Experimental Study on the Validity and Reliability of a Smartphone Application to Acquire Temporal Variables during the Single Sit-to-Stand Test with Older Adults. <i>Sensors</i> , 2021, 21, 2050.	2.1	11
15	A Systematic Investigation of Models for Color Image Processing in Wound Size Estimation. <i>Computers</i> , 2021, 10, 43.	2.1	5
16	A Framework for Malicious Traffic Detection in IoT Healthcare Environment. <i>Sensors</i> , 2021, 21, 3025.	2.1	77
17	Towards Detecting Pneumonia Progression in COVID-19 Patients by Monitoring Sleep Disturbance Using Data Streams of Non-Invasive Sensor Networks. <i>Sensors</i> , 2021, 21, 3030.	2.1	7
18	A Brief Review on the Sensor Measurement Solutions for the Ten-Meter Walk Test. <i>Computers</i> , 2021, 10, 49.	2.1	4

#	ARTICLE	IF	CITATIONS
19	Indoor and outdoor environmental data: A dataset with acoustic data acquired by the microphone embedded on mobile devices. Data in Brief, 2021, 36, 107051.	0.5	1
20	Cost Optimization for Big Data Workloads Based on Dynamic Scheduling and Cluster-Size Tuning. Big Data Research, 2021, 25, 100203.	2.6	25
21	Monitoring the Health and Residence Conditions of Elderly People, Using LoRa and the Things Network. Electronics (Switzerland), 2021, 10, 1729.	1.8	7
22	Rural Healthcare IoT Architecture Based on Low-Energy LoRa. International Journal of Environmental Research and Public Health, 2021, 18, 7660.	1.2	21
23	Experimental Study on Wound Area Measurement with Mobile Devices. Sensors, 2021, 21, 5762.	2.1	11
24	Mobile 5P-Medicine Approach for Cardiovascular Patients. Sensors, 2021, 21, 6986.	2.1	13
25	Recognition of Activities of Daily Living Based on a Mobile Data Source Framework. Studies in Computational Intelligence, 2021, , 321-335.	0.7	2
26	Multivariate Decomposition of Acoustic Signals in Dispersive Channels. Mathematics, 2021, 9, 2796.	1.1	3
27	Temporal Authorization Graphs: Pros, Cons and Limits. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 105-120.	0.2	0
28	Are central-zone restaurants better for consumers? -An analytical approach. , 2021, , .		0
29	Explainable image analysis for decision support in medical healthcare. , 2021, , .		15
30	Identification of Activities of Daily Living through Artificial Intelligence: an accelerometry-based approach. Procedia Computer Science, 2020, 175, 308-314.	1.2	2
31	Homogeneous Data Normalization and Deep Learning: A Case Study in Human Activity Classification. Future Internet, 2020, 12, 194.	2.4	23
32	Measurement of Results of Functional Reach Test with Sensors: A Systematic Review. Electronics (Switzerland), 2020, 9, 1078.	1.8	12
33	Mobile Applications for Training Plan Using Android Devices: A Systematic Review and a Taxonomy Proposal. Information (Switzerland), 2020, 11, 343.	1.7	15
34	Analysis of the Results of Heel-Rise Test with Sensors: A Systematic Review. Electronics (Switzerland), 2020, 9, 1154.	1.8	12
35	Deep Learning for Feature Extraction in Remote Sensing: A Case-Study of Aerial Scene Classification. Sensors, 2020, 20, 3906.	2.1	58
36	Machine Learning Techniques with ECG and EEG Data: An Exploratory Study. Computers, 2020, 9, 55.	2.1	8

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37	Analysis of trends in scientific publications by an NLP toolkit: A case study in Software Development Methods for Enhanced Living Environment. , 2020, , .		1
38	Improving Human Activity Monitoring by Imputation of Missing Sensory Data: Experimental Study. Future Internet, 2020, 12, 155.	2.4	14
39	Experimental Study for Determining the Parameters Required for Detecting ECG and EEG Related Diseases during the Timed-Up and Go Test. Computers, 2020, 9, 67.	2.1	7
40	Aerial Scene Classification through Fine-Tuning with Adaptive Learning Rates and Label Smoothing. Applied Sciences (Switzerland), 2020, 10, 5792.	1.3	29
41	Promotion of Healthy Lifestyles to Teenagers with Mobile Devices: A Case Study in Portugal. Healthcare (Switzerland), 2020, 8, 315.	1.0	11
42	Air Pollution Prediction with Multi-Modal Data and Deep Neural Networks. Remote Sensing, 2020, 12, 4142.	1.8	57
43	Literature on Applied Machine Learning in Metagenomic Classification: A Scoping Review. Biology, 2020, 9, 453.	1.3	15
44	Aging at Work: A Review of Recent Trends and Future Directions. International Journal of Environmental Research and Public Health, 2020, 17, 7659.	1.2	9
45	Circular Economy for Clothes Using Web and Mobile Technologiesâ€”A Systematic Review and a Taxonomy Proposal. Information (Switzerland), 2020, 11, 161.	1.7	7
46	Identification of Diseases Based on the Use of Inertial Sensors: A Systematic Review. Electronics (Switzerland), 2020, 9, 778.	1.8	10
47	Activities of Daily Living and Environment Recognition Using Mobile Devices: A Comparative Study. Electronics (Switzerland), 2020, 9, 180.	1.8	11
48	Promotion of Healthy Nutrition and Physical Activity Lifestyles for Teenagers: A Systematic Literature Review of The Current Methodologies. Journal of Personalized Medicine, 2020, 10, 12.	1.1	13
49	Mobile Computing Technologies for Health and Mobility Assessment: Research Design and Results of the Timed Up and Go Test in Older Adults. Sensors, 2020, 20, 3481.	2.1	20
50	From Big Data to business analytics: The case study of churn prediction. Applied Soft Computing Journal, 2020, 90, 106164.	4.1	38
51	Pattern Recognition Techniques for the Identification of Activities of Daily Living Using a Mobile Device Accelerometer. Electronics (Switzerland), 2020, 9, 509.	1.8	33
52	Healthâ€”Related ICT Solutions of Smart Environments for Elderlyâ€”Systematic Review. IEEE Access, 2020, 8, 54574-54600.	2.6	21
53	Is The Timed-Up and Go Test Feasible in Mobile Devices? A Systematic Review. Electronics (Switzerland), 2020, 9, 528.	1.8	16
54	A Review on the Artificial Intelligence Algorithms for the Recognition of Activities of Daily Living Using Sensors in Mobile Devices. Advances in Intelligent Systems and Computing, 2020, , 685-713.	0.5	3

#	ARTICLE	IF	CITATIONS
55	Activities of daily living with motion: A dataset with accelerometer, magnetometer and gyroscope data from mobile devices. Data in Brief, 2020, 33, 106628.	0.5	6
56	Scalable auto-encoders for gravitational waves detection from time series data. Expert Systems With Applications, 2020, 151, 113378.	4.4	37
57	Identification of Daily Activities and Environments Based on the AdaBoost Method Using Mobile Device Data: A Systematic Review. Electronics (Switzerland), 2020, 9, 192.	1.8	7
58	Towards Cleaner Environments by Automated Garbage Detection in Images. Communications in Computer and Information Science, 2020, , 56-63.	0.4	2
59	Mobile Applications Dedicated for Cardiac Patients: Research of Available Resources. Intelligent Systems Reference Library, 2020, , 107-119.	1.0	0
60	Teenagers from Centre of Portugal: Nutrition and Physical Activity Data. , 2020, , .		0
61	Control and Prevention of Personal Stress. , 2020, , .		1
62	Personal Digital Life Coach for Physical Therapy. , 2020, , .		1
63	Skin lesion segmentation with deep learning. , 2019, , .		19
64	Addressing Privacy and Security in Connected Health with Fog Computing. , 2019, , .		8
65	CoviHealth. , 2019, , .		4
66	Automation in Systematic, Scoping and Rapid Reviews by an NLP Toolkit: A Case Study in Enhanced Living Environments. Lecture Notes in Computer Science, 2019, , 1-18.	1.0	18
67	Cluster-size optimization within a cloud-based ETL framework for Big Data. , 2019, , .		15
68	Recognition of Activities of Daily Living and Environments Using Acoustic Sensors Embedded on Mobile Devices. Electronics (Switzerland), 2019, 8, 1499.	1.8	22
69	Challenges in data collection in real-world environments for activity recognition. , 2019, , .		5
70	Mobile Applications for the Promotion and Support of Healthy Nutrition and Physical Activity Habits: A Systematic Review, Extraction of Features and Taxonomy Proposal. Open Bioinformatics Journal, 2019, 13, 50-71.	1.0	5
71	Mobile Applications for the Promotion and Support of Healthy Nutrition and Physical Activity Habits: A Systematic Review, Extraction of Features and Taxonomy Proposal. Open Bioinformatics Journal, 2019, 12, 50-71.	1.0	7
72	Literature on Wearable Technology for Connected Health: Scoping Review of Research Trends, Advances, and Barriers. Journal of Medical Internet Research, 2019, 21, e14017.	2.1	139

#	ARTICLE	IF	CITATIONS
73	User Environment Detection with Acoustic Sensors Embedded on Mobile Devices for the Recognition of Activities of Daily Living. <i>Statistics, Optimization and Information Computing</i> , 2019, 7, .	0.4	0
74	Recognition of Activities of Daily Living Based on Environmental Analyses Using Audio Fingerprinting Techniques: A Systematic Review. <i>Sensors</i> , 2018, 18, 160.	2.1	21
75	Technological Solutions for Older People with Alzheimer's Disease: Review. <i>Current Alzheimer Research</i> , 2018, 15, 975-983.	0.7	48
76	The BBC Micro:bit in the International Classroom: Learning Experiences and First Impressions. , 2018, , .		10
77	Review of Automated Weed Control Approaches: An Environmental Impact Perspective. <i>Communications in Computer and Information Science</i> , 2018, , 132-147.	0.4	8
78	Android Library for Recognition of Activities of Daily Living: Implementation Considerations, Challenges, and Solutions. <i>Open Bioinformatics Journal</i> , 2018, 11, 61-88.	1.0	18
79	Fog Computing for Personal Health Principles. , 2018, , .		0
80	Importance of Personalized Health-Care Models: A Case Study in Activity Recognition. <i>Studies in Health Technology and Informatics</i> , 2018, 249, 185-188.	0.2	2
81	Can we predict obstetric anal sphincter injury?. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2017, 210, 196-200.	0.5	21
82	Improving Activity Recognition Accuracy in Ambient-Assisted Living Systems by Automated Feature Engineering. <i>IEEE Access</i> , 2017, 5, 5262-5280.	2.6	128
83	Suppression of Intensive Care Unit False Alarms based on the Arterial Blood Pressure Signal. <i>IEEE Access</i> , 2017, , 1-1.	2.6	11
84	Weed Detection Dataset with RGB Images Taken Under Variable Light Conditions. <i>Communications in Computer and Information Science</i> , 2017, , 112-119.	0.4	34
85	Cloud-based architecture for automated weed control. , 2017, , .		2
86	Cloud-based recognition of complex activities for ambient assisted living in smart homes with non-invasive sensors. , 2017, , .		2
87	Automatic machine-learning based identification of jogging periods from accelerometer measurements of adolescents under field conditions. <i>PLoS ONE</i> , 2017, 12, e0184216.	1.1	36
88	Row Key Designs of NoSQL Database Tables and Their Impact on Write Performance. , 2016, , .		7
89	Towards application of non-invasive environmental sensors for risks and activity detection. , 2016, , .		12
90	A survey of Ambient Assisted Living systems: Challenges and opportunities. , 2016, , .		18

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91	Feature Ranking Based on Information Gain for Large Classification Problems with MapReduce. , 2015, , .		15
92	SVM Parameter Tuning with Grid Search and Its Impact on Reduction of Model Over-fitting. Lecture Notes in Computer Science, 2015, , 464-474.	1.0	50
93	Feature selection and allocation to diverse subsets for multi-label learning problems with large datasets. , 2014, , .		6
94	Weight of evidence as a tool for attribute transformation in the preprocessing stage of supervised learning algorithms. , 2011, , .		19
95	Architecture for Wireless Sensor and Actor Networks Control and Data Acquisition. , 2011, , .		13
96	Probabilistic Predictions of Ensemble of Classifiers Combined with Dynamically Weighted Majority Vote. , 2011, , .		0
97	System for Prediction of the Winner in a Sports Game. , 2010, , 55-63.		13
98	Transformation of nominal features into numeric in supervised multi-class problems based on the weight of evidence parameter. , 0, , .		11
99	Parallel computation of information gain using Hadoop and MapReduce. , 0, , .		13
100	Robust histogram-based feature engineering of time series data. , 0, , .		20
101	Short-term air pollution forecasting based on environmental factors and deep learning models. , 0, , .		8
102	Explorations into Deep Learning Text Architectures for Dense Image Captioning. , 0, , .		3
103	Feature extraction based on word embedding models for intrusion detection in network traffic. , 0, , .		9
104	Automatic Feature Engineering for Prediction of Dangerous Seismic Activities in Coal Mines. , 0, , .		6
105	Report on the "Big Data Training School for Life Sciences", 18-22 September 2017, Uppsala, Sweden. EMBnet Journal, 0, 23, e905.	0.2	0
106	Report on the "Advanced Big Data Training School for Life Sciences", Barcelona 3th-7th September 2018. EMBnet Journal, 0, 24, e917.	0.2	0
107	Cultural Topic Modelling over Novel Wikipedia Corpora for South-Slavic Languages. , 0, , .		0