Anastasios Delopoulos

List of Publications by Year
in descending order

64 papers	749 citations	623574 14 h-index	713332 21 g-index
71 all docs	71 docs citations	71 times ranked	614 citing authors

#	Article	IF	Citations
1	A Novel Chewing Detection System Based on PPG, Audio, and Accelerometry. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 607-618.	3.9	61
2	Modeling Wrist Micromovements to Measure In-Meal Eating Behavior From Inertial Sensor Data. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2325-2334.	3.9	46
3	Detecting Parkinsonian Tremor From IMU Data Collected in-the-Wild Using Deep Multiple-Instance Learning. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2559-2569.	3.9	42
4	Automated analysis of in meal eating behavior using a commercial wristband IMU sensor. , 2017, 2017, 2843-2846.		32
5	Unobtrusive detection of Parkinson's disease from multi-modal and in-the-wild sensor data using deep learning techniques. Scientific Reports, 2020, 10, 21370.	1.6	32
6	A Data Driven End-to-End Approach for In-the-Wild Monitoring of Eating Behavior Using Smartwatches. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 22-34.	3.9	29
7	Image annotation using clickthrough data. , 2009, , .		28
8	Consistent identification of stochastic linear systems with noisy input-output data. Automatica, 1994, 30, 1271-1294.	3.0	26
9	Linear subspaces for facial expression recognition. Signal Processing: Image Communication, 2014, 29, 177-188.	1.8	22
10	Chewing detection from an in-ear microphone using convolutional neural networks. , 2017, 2017, 1258-1261.		21
11	The SPLENDID Eating Detection Sensor: Development and Feasibility Study. JMIR MHealth and UHealth, 2018, 6, e170.	1.8	20
12	Assessment of real life eating difficulties in Parkinson's disease patients by measuring plate to mouth movement elongation with inertial sensors. Scientific Reports, 2021, 11, 1632.	1.6	19
13	Reliability and effectiveness of clickthrough data for automatic image annotation. Multimedia Tools and Applications, 2011, 55, 27-52.	2.6	18
14	Automatic Analysis of Food Intake and Meal Microstructure Based on Continuous Weight Measurements. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 893-902.	3.9	16
15	Food Intake Detection from Inertial Sensors Using LSTM Networks. Lecture Notes in Computer Science, 2017, , 411-418.	1.0	16
16	Large-Scale Concept Detection in Multimedia Data Using Small Training Sets and Cross-Domain Concept Fusion. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 1808-1821.	5.6	15
17	Objective measures of eating behaviour in a Swedish high school. Behaviour and Information Technology, 2017, 36, 1005-1013.	2.5	15
18	An interpretable multiple-instance approach for the detection of referable diabetic retinopathy in fundus images. Scientific Reports, 2021, 11, 14326.	1.6	15

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19	A novel approach for chewing detection based on a wearable PPG sensor. , 2016, 2016, 6485-6488.		13
20	Formative Evaluation of a Smartphone App for Monitoring Daily Meal Distribution and Food Selection in Adolescents: Acceptability and Usability Study. JMIR MHealth and UHealth, 2020, 8, e14778.	1.8	13
21	End-to-end Learning for Measuring in-meal Eating Behavior from a Smartwatch. , 2018, 2018, 5511-5514.		12
22	Novel e-Health Applications for the Management of Cardiometabolic Risk Factors in Children and Adolescents in Greece. Nutrients, 2020, 12, 1380.	1.7	12
23	Efficient Quantitative Information Extraction from PCR-RFLP Gel Electrophoresis Images. , 2010, , .		11
24	A parametric Probabilistic Context-Free Grammar for food intake analysis based on continuous meal weight measurements. , 2015, 2015, 7853-6.		11
25	Building effective SVM concept detectors from clickthrough data for large-scale image retrieval. International Journal of Multimedia Information Retrieval, 2015, 4, 129-142.	3.6	11
26	Image-Based Surrogates of Socio-Economic Status in Urban Neighborhoods Using Deep Multiple Instance Learning. Journal of Imaging, 2018, 4, 125.	1.7	11
27	Cumulant-based autocorrelation estimates of non-Gaussian linear processes. Signal Processing, 1995, 47, 1-17.	2.1	10
28	Motion-based segmentation of objects using overlapping temporal windows. Image and Vision Computing, 2013, 31, 593-602.	2.7	10
29	Incorporating higher order models for occlusion resilient motion segmentation in streaming videos. Image and Vision Computing, 2015, 36, 70-82.	2.7	10
30	A methodology for obtaining objective measurements of population obesogenic behaviors in relation to the environment. Statistical Journal of the IAOS, 2019, 35, 677-690.	0.2	10
31	Multiple-Instance Learning for In-The-Wild Parkinsonian Tremor Detection. , 2019, 2019, 6188-6191.		10
32	Exploring Associations Between Children's Obesogenic Behaviors and the Local Environment Using Big Data: Development and Evaluation of the Obesity Prevention Dashboard. JMIR MHealth and UHealth, 2021, 9, e26290.	1.8	9
33	Weighted SVM from clickthrough data for image retrieval. , 2014, , .		8
34	Lower Energy Intake among Advanced vs. Early Parkinson's Disease Patients and Healthy Controls in a Clinical Lunch Setting: A Cross-Sectional Study. Nutrients, 2020, 12, 2109.	1.7	8
35	BigO: A public health decision support system for measuring obesogenic behaviors of children in relation to their local environment. , 2020, 2020, 5864-5867.		8
36	Improved motion segmentation using Locally sampled Subspaces. , 2012, , .		7

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37	Improving Concept-Based Image Retrieval with Training Weights Computed from Tags. ACM Transactions on Multimedia Computing, Communications and Applications, 2016, 12, 1-22.	3.0	7
38	Detecting Meals In the Wild Using the Inertial Data of a Typical Smartwatch. , 2019, 2019, 4229-4232.		7
39	Canopy Height Estimation from Single Multispectral 2D Airborne Imagery Using Texture Analysis and Machine Learning in Structurally Rich Temperate Forests. Remote Sensing, 2019, 11, 2853.	1.8	6
40	Constructing Fuzzy Relations fromWordNet forWord Sense Disambiguation. , 2006, , .		5
41	Data-driven assessments for sensor measurements of eating behavior. , 2017, , .		5
42	Inferring the Spatial Distribution of Physical Activity in Children Population from Characteristics of the Environment. , 2020, 2020, 5876-5879.		5
43	A Bottom-up method Towards the Automatic and Objective Monitoring of Smoking Behavior In-the-wild using Wrist-mounted Inertial Sensors. , 2021, 2021, 6867-6870.		5
44	Applying semantic technologies in cervical cancer research. Data and Knowledge Engineering, 2013, 86, 160-178.	2.1	4
45	The SPLENDID chewing detection challenge. , 2017, 2017, 817-820.		4
46	Using IMU Sensors to Assess Motor Degradation of PD Patients by Modeling In-meal Plate-to-Mouth Movement Elongation. , 2020, 2020, 494-497.		4
47	Self-Supervised Feature Learning of 1D Convolutional Neural Networks with Contrastive Loss for Eating Detection Using an In-Ear Microphone. , 2021, 2021, 7186-7189.		4
48	A Learnable Model With Calibrated Uncertainty Quantification for Estimating Canopy Height From Spaceborne Sequential Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	4
49	Online training of concept detectors for image retrieval using streaming clickthrough data. Engineering Applications of Artificial Intelligence, 2016, 51, 150-162.	4.3	3
50	Building Robust Concept Detectors from Clickthrough Data: A Study in the MSR-Bing Dataset. , 2014, , .		2
51	A method for the evaluation of projective geometric consistency in weakly calibrated stereo with application to point matching. Computer Vision and Image Understanding, 2014, 119, 81-101.	3.0	2
52	Predicting Real-Life Eating Behaviours Using Single School Lunches in Adolescents. Nutrients, 2019, 11, 672.	1.7	2
53	Collecting big behavioral data for measuring behavior against obesity. , 2020, 2020, 5296-5299.		2
54	Developing a Novel Citizen-Scientist Smartphone App for Collecting Behavioral and Affective Data from Children Populations. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 294-302.	0.2	2

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55	Association studies on cervical cancer facilitated by inference and semantic technologies: the assist approach. Studies in Health Technology and Informatics, 2008, 136, 241-6.	0.2	2
56	Efficient Indexing, Color Descriptors and Browsing in Image Databases. , 2006, , .		1
57	A framework for efficient correspondence using feature interrelations. , 2008, , .		1
58	Constructing Optimal Fuzzy Metric Trees for Agent Performance Evaluation. , 2008, , .		1
59	Motion segmentation via overlapping temporal windows. , 2013, , .		1
60	Fast, robust and occlusion resilient motion based video segmentation. , 2014, , .		1
61	Recognition of Food-Texture Attributes Using an In-Ear Microphone. Lecture Notes in Computer Science, 2021, , 558-570.	1.0	1
62	Canopy Height Estimation fromÂSpaceborne Imagery Using Convolutional Encoder-Decoder. Lecture Notes in Computer Science, 2021, , 307-317.	1.0	1
63	Bite-Weight Estimation Using Commercial Ear Buds. , 2021, 2021, 7182-7185.		1
64	Multimedia Coding Techniques for Wireless Networks. , 2006, , 15-47.		0