Anastasios Delopoulos

List of Publications by Year
in descending order

64 papers	749 citations	623734 14 h-index	713466 21 g-index
71 all docs	71 docs citations	71 times ranked	614 citing authors

#	Article	IF	Citations
1	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.	6.3	4
2	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.	6.3	29
3	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.	3.3	19
4	Recognition of Food-Texture Attributes Using an In-Ear Microphone. Lecture Notes in Computer Science, 2021, , 558-570.	1.3	1
5	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.	3.7	9
6	An interpretable multiple-instance approach for the detection of referable diabetic retinopathy in fundus images. Scientific Reports, 2021, 11, 14326.	3.3	15
7	Canopy Height Estimation from Spaceborne Imagery Using Convolutional Encoder-Decoder. Lecture Notes in Computer Science, 2021, , 307-317.	1.3	1
8	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
9	Bite-Weight Estimation Using Commercial Ear Buds. , 2021, 2021, 7182-7185.		1
10	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
11	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.	6.3	42
12	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.	4.1	8
13	Using IMU Sensors to Assess Motor Degradation of PD Patients by Modeling In-meal Plate-to-Mouth Movement Elongation. , 2020, 2020, 494-497.		4
14	Inferring the Spatial Distribution of Physical Activity in Children Population from Characteristics of the Environment. , 2020, 2020, 5876-5879.		5
15	Collecting big behavioral data for measuring behavior against obesity. , 2020, 2020, 5296-5299.		2
16	BigO: A public health decision support system for measuring obesogenic behaviors of children in relation to their local environment. , 2020, 2020, 5864-5867.		8
17	Unobtrusive detection of Parkinson's disease from multi-modal and in-the-wild sensor data using deep learning techniques. Scientific Reports, 2020, 10, 21370.	3.3	32
18	Novel e-Health Applications for the Management of Cardiometabolic Risk Factors in Children and Adolescents in Greece. Nutrients, 2020, 12, 1380.	4.1	12

#	Article	IF	Citations
19	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.	0.3	2
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.	3.7	13
21	A methodology for obtaining objective measurements of population obesogenic behaviors in relation to the environment. Statistical Journal of the IAOS, 2019, 35, 677-690.	0.4	10
22	Predicting Real-Life Eating Behaviours Using Single School Lunches in Adolescents. Nutrients, 2019, 11, 672.	4.1	2
23	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.	4.0	6
24	Detecting Meals In the Wild Using the Inertial Data of a Typical Smartwatch. , 2019, 2019, 4229-4232.		7
25	Multiple-Instance Learning for In-The-Wild Parkinsonian Tremor Detection. , 2019, 2019, 6188-6191.		10
26	Modeling Wrist Micromovements to Measure In-Meal Eating Behavior From Inertial Sensor Data. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2325-2334.	6.3	46
27	Automatic Analysis of Food Intake and Meal Microstructure Based on Continuous Weight Measurements. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 893-902.	6.3	16
28	End-to-end Learning for Measuring in-meal Eating Behavior from a Smartwatch. , 2018, 2018, 5511-5514.		12
29	Image-Based Surrogates of Socio-Economic Status in Urban Neighborhoods Using Deep Multiple Instance Learning. Journal of Imaging, 2018, 4, 125.	3.0	11
30	The SPLENDID Eating Detection Sensor: Development and Feasibility Study. JMIR MHealth and UHealth, 2018, 6, e170.	3.7	20
31	Objective measures of eating behaviour in a Swedish high school. Behaviour and Information Technology, 2017, 36, 1005-1013.	4.0	15
32	Data-driven assessments for sensor measurements of eating behavior. , 2017, , .		5
33	A Novel Chewing Detection System Based on PPG, Audio, and Accelerometry. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 607-618.	6.3	61
34	The SPLENDID chewing detection challenge. , 2017, 2017, 817-820.		4
35	Chewing detection from an in-ear microphone using convolutional neural networks. , 2017, 2017, 1258-1261.		21
36	Automated analysis of in meal eating behavior using a commercial wristband IMU sensor. , 2017, 2017, 2843-2846.		32

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37	Food Intake Detection from Inertial Sensors Using LSTM Networks. Lecture Notes in Computer Science, 2017, , 411-418.	1.3	16
38	A novel approach for chewing detection based on a wearable PPG sensor. , 2016, 2016, 6485-6488.		13
39	Online training of concept detectors for image retrieval using streaming clickthrough data. Engineering Applications of Artificial Intelligence, 2016, 51, 150-162.	8.1	3
40	Improving Concept-Based Image Retrieval with Training Weights Computed from Tags. ACM Transactions on Multimedia Computing, Communications and Applications, 2016, 12, 1-22.	4.3	7
41	A parametric Probabilistic Context-Free Grammar for food intake analysis based on continuous meal weight measurements. , 2015, 2015, 7853-6.		11
42	Incorporating higher order models for occlusion resilient motion segmentation in streaming videos. Image and Vision Computing, 2015, 36, 70-82.	4.5	10
43	Building effective SVM concept detectors from clickthrough data for large-scale image retrieval. International Journal of Multimedia Information Retrieval, 2015, 4, 129-142.	5.2	11
44	Fast, robust and occlusion resilient motion based video segmentation. , 2014, , .		1
45	Weighted SVM from clickthrough data for image retrieval. , 2014, , .		8
46	Building Robust Concept Detectors from Clickthrough Data: A Study in the MSR-Bing Dataset. , 2014, , .		2
47	Linear subspaces for facial expression recognition. Signal Processing: Image Communication, 2014, 29, 177-188.	3.2	22
48	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.	4.7	2
49	Applying semantic technologies in cervical cancer research. Data and Knowledge Engineering, 2013, 86, 160-178.	3.4	4
50	Motion-based segmentation of objects using overlapping temporal windows. Image and Vision Computing, 2013, 31, 593-602.	4.5	10
51	Motion segmentation via overlapping temporal windows. , 2013, , .		1
52	Improved motion segmentation using Locally sampled Subspaces. , 2012, , .		7
53	Reliability and effectiveness of clickthrough data for automatic image annotation. Multimedia Tools and Applications, 2011, 55, 27-52.	3.9	18
54	Efficient Quantitative Information Extraction from PCR-RFLP Gel Electrophoresis Images. , 2010, , .		11

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55	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.	8.3	15
56	Image annotation using clickthrough data. , 2009, , .		28
57	A framework for efficient correspondence using feature interrelations. , 2008, , .		1
58	Constructing Optimal Fuzzy Metric Trees for Agent Performance Evaluation. , 2008, , .		1
59	Association studies on cervical cancer facilitated by inference and semantic technologies: the assist approach. Studies in Health Technology and Informatics, 2008, 136, 241-6.	0.3	2
60	Constructing Fuzzy Relations fromWordNet forWord Sense Disambiguation. , 2006, , .		5
61	Multimedia Coding Techniques for Wireless Networks. , 2006, , 15-47.		0
62	Efficient Indexing, Color Descriptors and Browsing in Image Databases. , 2006, , .		1
63	Cumulant-based autocorrelation estimates of non-Gaussian linear processes. Signal Processing, 1995, 47, 1-17.	3.7	10
64	Consistent identification of stochastic linear systems with noisy input-output data. Automatica, 1994, 30, 1271-1294.	5.0	26