

Volkan Y Senyurek

List of Publications by Year in descending order

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papers

561
citations

623188

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all docs

35
docs citations

35
times ranked

563
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning-Based CYGNSS Soil Moisture Estimates over ISMN sites in CONUS. Remote Sensing, 2020, 12, 1168.	1.8	82
2	Detection of cuts and impact damage at the aircraft wing slat by using Lamb wave method. Measurement: Journal of the International Measurement Confederation, 2015, 67, 10-23.	2.5	58
3	Evaluations of Machine Learning-Based CYGNSS Soil Moisture Estimates against SMAP Observations. Remote Sensing, 2020, 12, 3503.	1.8	41
4	A CNN-LSTM neural network for recognition of puffing in smoking episodes using wearable sensors. Biomedical Engineering Letters, 2020, 10, 195-203.	2.1	34
5	Development of a Multisensory Wearable System for Monitoring Cigarette Smoking Behavior in Free-Living Conditions. Electronics (Switzerland), 2017, 6, 104.	1.8	32
6	Performance Comparison of Artificial Neural Network and Gaussian Mixture Model in Classifying Hand Motions by Using sEMG Signals. Biocybernetics and Biomedical Engineering, 2013, 33, 33-45.	3.3	31
7	Contact and non-contact approaches in load monitoring applications using surface response to excitation method. Measurement: Journal of the International Measurement Confederation, 2016, 89, 197-203.	2.5	30
8	Cigarette Smoking Detection with An Inertial Sensor and A Smart Lighter. Sensors, 2019, 19, 570.	2.1	30
9	Quasi-global machine learning-based soil moisture estimates at high spatio-temporal scales using CYGNSS and SMAP observations. Remote Sensing of Environment, 2022, 276, 113041.	4.6	28
10	Evaluation of the health of riveted joints with active and passive structural health monitoring techniques. Measurement: Journal of the International Measurement Confederation, 2015, 69, 42-51.	2.5	25
11	Localization of multiple defects using the compact phased array (CPA) method. Journal of Sound and Vibration, 2018, 413, 383-394.	2.1	22
12	Smoking detection based on regularity analysis of hand to mouth gestures. Biomedical Signal Processing and Control, 2019, 51, 106-112.	3.5	20
13	A Novel Nonlinear Acoustic Health Monitoring Approach for Detecting Loose Bolts. Journal of Nondestructive Evaluation, 2018, 37, 1.	1.1	17
14	Implementation of heterodyning effect for monitoring the health of adhesively bonded and fastened composite joints. Applied Ocean Research, 2018, 72, 51-59.	1.8	14
15	Objective Detection of Cigarette Smoking from Physiological Sensor Signals. , 2019, 2019, 3563-3566.		11
16	Wearable Egocentric Camera as a Monitoring Tool of Free-Living Cigarette Smoking: A Feasibility Study. Nicotine and Tobacco Research, 2020, 22, 1883-1890.	1.4	11
17	A comparative study of denoising sEMG signals. Turkish Journal of Electrical Engineering and Computer Sciences, 2015, 23, 931-944.	0.9	10
18	Composites Bond Inspection Using Heterodyne Effect and SuRE Methods. Shock and Vibration, 2018, 2018, 1-6.	0.3	10

#	ARTICLE	IF	CITATIONS
19	Development of comprehensive heterodyne effect based inspection (CHEBI) method for inclusive monitoring of cracks. Measurement: Journal of the International Measurement Confederation, 2018, 128, 89-95.	2.5	9
20	A Comparison of SVM and CNN-LSTM Based Approach for Detecting Smoke Inhalations from Respiratory signal. , 2019, 2019, 3262-3265.		7
21	Computation of Cigarette Smoke Exposure Metrics From Breathing. IEEE Transactions on Biomedical Engineering, 2020, 67, 2309-2316.	2.5	7
22	A New Approach to the Determination of Warp-Weft Densities in Textile Fabrics by Using an Image Processing Technique. Journal of Engineered Fibers and Fabrics, 2014, 9, 155892501400900.	0.5	5
23	Inspection of the machined features created at the embedded sensor aluminum plates. , 2017, , .		4
24	Development of a Smart IoT Charger for Wearable Cigarette Smoking Monitor. , 2019, , .		4
25	Internal defect detection in hollow cylindrical structures using the Surface Response to Excitation (SuRE) Method. , 2017, , .		3
26	PACT CAM: Wearable Sensor System to Capture the Details of Cigarette Smoking in Free-Living. , 2020, , .		3
27	Novel Approaches for Loose Bolt Detection With and Without Sensors using Heterodyning Effect. , 0, , .		3
28	Quasi-Global GNSS-R Soil Moisture Retrievals at High Spatio-Temporal Resolution from Cygnss and Smap Data. , 2021, , .		3
29	Assessment of Interpolation Errors of CYGNSS Soil Moisture Estimations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, , 1-1.	2.3	2
30	Machine-Learning Based Retrieval of Soil Moisture at High Spatio-Temporal Scales Using CYGNSS and SMAP Observations. , 2020, , .		2
31	Electromyogram in Cigarette Smoking Activity Recognition. Signals, 2021, 2, 87-97.	1.2	1
32	Spatial and Temporal Interpolation of CYGNSS Soil Moisture Estimations. , 2021, , .		1
33	Machine learning-based global soil moisture estimation using GNSS-R. , 2022, , .		1
34	CÄ±vatalÄ± BirleÅtirmelerdeki HasarlarÄ±n Lamb DalgasÄ± TekniÅyle BulunmasÄ±. Marmara Fen Bilimleri Dergisi, 2015, 27, 76.	0.2	0
35	Heterodyning Effect in Composites Bond Inspection. , 0, , .		0