Bardia Yousefi

List of Publications by Year
in descending order

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38	502	759233 12	713466 21
papers	citations	h-index	g-index

38	38	38	429
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative analysis on thermal non-destructive testing imagery applying Candid Covariance-Free Incremental Principal Component Thermography (CCIPCT). Infrared Physics and Technology, 2017, 85, 163-169.	2.9	79
2	Improving the detection of thermal bridges in buildings via on-site infrared thermography: The potentialities of innovative mathematical tools. Energy and Buildings, 2019, 182, 159-171.	6.7	52
3	Low-rank sparse principal component thermography (sparse-PCT): Comparative assessment on detection of subsurface defects. Infrared Physics and Technology, 2019, 98, 278-284.	2.9	43
4	Thermography data fusion and nonnegative matrix factorization for the evaluation of cultural heritage objects and buildings. Journal of Thermal Analysis and Calorimetry, 2019, 136, 943-955.	3.6	35
5	Comparison assessment of low rank sparse-PCA based-clustering/classification for automatic mineral identification in long wave infrared hyperspectral imagery. Infrared Physics and Technology, 2018, 93, 103-111.	2.9	28
6	Generalized ComBat harmonization methods for radiomic features with multi-modal distributions and multiple batch effects. Scientific Reports, 2022, 12, 4493.	3.3	25
7	Automated assessment and tracking of human body thermal variations using unsupervised clustering. Applied Optics, 2016, 55, D162.	2.1	19
8	Assessing the reliability of an automated system for mineral identification using LWIR Hyperspectral Infrared imagery. Minerals Engineering, 2020, 155, 106409.	4.3	18
9	Explainable COVID-19 Detection on Chest X-rays Using an End-to-End Deep Convolutional Neural Network Architecture. Big Data and Cognitive Computing, 2021, 5, 73.	4.7	18
10	Detecting Vasodilation as Potential Diagnostic Biomarker in Breast Cancer Using Deep Learning-Driven Thermomics. Biosensors, 2020, 10, 164.	4.7	16
11	Continuum removal for ground-based LWIR hyperspectral infrared imagery applying non-negative matrix factorization. Applied Optics, 2018, 57, 6219.	1.8	14
12	Dual-Intended Deep Learning Model for Breast Cancer Diagnosis in Ultrasound Imaging. Cancers, 2022, 14, 2663.	3.7	14
13	Measuring Heterogeneous Thermal Patterns in Infrared-Based Diagnostic Systems Using Sparse Low-Rank Matrix Approximation: Comparative Study. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	13
14	Combining radiomic phenotypes of non-small cell lung cancer with liquid biopsy data may improve prediction of response to EGFR inhibitors. Scientific Reports, 2021, 11, 9984.	3.3	13
15	Automatic IRNDT inspection applying sparse PCA-based clustering. , 2017, , .		9
16	Incremental Low Rank Noise Reduction for Robust Infrared Tracking of Body Temperature during Medical Imaging. Electronics (Switzerland), 2019, 8, 1301.	3.1	8
17	A Diagnostic Biomarker for Breast Cancer Screening via Hilbert Embedded Deep Low-Rank Matrix Approximation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	8
18	SPAER: Sparse Deep Convolutional Autoencoder Model to Extract Low Dimensional Imaging Biomarkers for Early Detection of Breast Cancer Using Dynamic Thermography. Applied Sciences (Switzerland), 2021, 11, 3248.	2.5	7

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19	Impact of Interobserver Variability in Manual Segmentation of Non-Small Cell Lung Cancer (NSCLC) Applying Low-Rank Radiomic Representation on Computed Tomography. Cancers, 2021, 13, 5985.	3.7	7
20	Development of Biological Movement Recognition by Interaction between Active Basis Model and Fuzzy Optical Flow Division. Scientific World Journal, The, 2014, 2014, 1-14.	2.1	6
21	Comparative Study on Interaction of Form and Motion Processing Streams by Applying Two Different Classifiers in Mechanism for Recognition of Biological Movement. Scientific World Journal, The, 2014, 2014, 1-12.	2.1	6
22	A dual fast and slow feature interaction in biologically inspired visual recognition of human action. Applied Soft Computing Journal, 2018, 62, 57-72.	7.2	6
23	Mineral identification in LWIR hyperspectral imagery applying sparse-based clustering. Quantitative InfraRed Thermography Journal, 2019, 16, 147-162.	4.2	6
24	Impartially Validated Multiple Deep-Chain Models to Detect COVID-19 in Chest X-ray Using Latent Space Radiomics. Journal of Clinical Medicine, 2021, 10, 3100.	2.4	6
25	Biological inspired human action recognition. , 2013, , .		5
26	Slow feature action prototypes effect assessment in mechanism for recognition of biological movement ventral stream. International Journal of Bio-Inspired Computation, 2016, 8, 410.	0.9	5
27	Thermal NDT applying Candid Covariance-Free Incremental Principal Component Thermography (CCIPCT). , 2017, , .		5
28	Thermochemical monitoring of brucite carbonation using passive infrared thermography. Chemical Engineering and Processing: Process Intensification, 2018, 130, 43-52.	3.6	5
29	IRNDT Inspection Via Sparse Principal Component Thermography. , 2018, , .		4
30	Biologically-Inspired Computational Neural Mechanism for Human Action/activity Recognition: A Review. Electronics (Switzerland), 2019, 8, 1169.	3.1	4
31	Unsupervised Identification of Targeted Spectra Applying Rank1-NMF and FCC Algorithms in Long-Wave Hyperspectral Infrared Imagery. Remote Sensing, 2021, 13, 2125.	4.0	4
32	Maximizing the detection of thermal imprints in civil engineering composites via numerical and thermographic results pre-processed by a groundbreaking mathematical approach. International Journal of Thermal Sciences, 2022, 177, 107553.	4.9	4
33	Emissivity retrieval from indoor hyperspectral imaging of mineral grains. , 2016, , .		3
34	Quantitative assessment in thermal image segmentation for artistic objects. , 2017, , .		3
35	Development of Fast Incremental Slow Feature Analysis (F-IncSFA). , 2012, , .		1
36	Modified algorithm for mineral identification in LWIR hyperspectral imagery. , 2017, , .		1

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37	Correlative hierarchical clustering-based low-rank dimensionality reduction of radiomics-driven phenotype in non-small cell lung cancer. , 2019, , .		1
38	Concentrated Thermomics for Early Diagnosis of Breast Cancer. , 2021, 8, .		1