Bardia Yousefi

List of Publications by Year
in descending order

38 papers	**502** citations	759055 **12** h-index	713332 **21** g-index
38 all docs	**38** docs citations	**38** times ranked	**429** citing authors

#	Article	IF	Citations
1	Generalized ComBat harmonization methods for radiomic features with multi-modal distributions and multiple batch effects. Scientific Reports, 2022, 12, 4493.	1.6	25
2	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.	2.6	4
3	Dual-Intended Deep Learning Model for Breast Cancer Diagnosis in Ultrasound Imaging. Cancers, 2022, 14, 2663.	1.7	14
4	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.	2.4	13
5	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.	1.3	7
6	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.	1.6	13
7	Unsupervised Identification of Targeted Spectra Applying Rank1-NMF and FCC Algorithms in Long-Wave Hyperspectral Infrared Imagery. Remote Sensing, 2021, 13, 2125.	1.8	4
8	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.	1.0	6
9	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.	2.4	8
10	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.	1.7	7
11	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.	2.9	18
12	Concentrated Thermomics for Early Diagnosis of Breast Cancer. , 2021, 8, .		1
13	Detecting Vasodilation as Potential Diagnostic Biomarker in Breast Cancer Using Deep Learning-Driven Thermomics. Biosensors, 2020, 10, 164.	2.3	16
14	Assessing the reliability of an automated system for mineral identification using LWIR Hyperspectral Infrared imagery. Minerals Engineering, 2020, 155, 106409.	1.8	18
15	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.	2.0	35
16	Biologically-Inspired Computational Neural Mechanism for Human Action/activity Recognition: A Review. Electronics (Switzerland), 2019, 8, 1169.	1.8	4
17	Incremental Low Rank Noise Reduction for Robust Infrared Tracking of Body Temperature during Medical Imaging. Electronics (Switzerland), 2019, 8, 1301.	1.8	8
18	Low-rank sparse principal component thermography (sparse-PCT): Comparative assessment on detection of subsurface defects. Infrared Physics and Technology, 2019, 98, 278-284.	1.3	43

#	Article	IF	Citations
19	Mineral identification in LWIR hyperspectral imagery applying sparse-based clustering. Quantitative InfraRed Thermography Journal, 2019, 16, 147-162.	2.1	6
20	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.	3.1	52
21	Correlative hierarchical clustering-based low-rank dimensionality reduction of radiomics-driven phenotype in non-small cell lung cancer. , 2019, , .		1
22	A dual fast and slow feature interaction in biologically inspired visual recognition of human action. Applied Soft Computing Journal, 2018, 62, 57-72.	4.1	6
23	IRNDT Inspection Via Sparse Principal Component Thermography. , 2018, , .		4
24	Thermochemical monitoring of brucite carbonation using passive infrared thermography. Chemical Engineering and Processing: Process Intensification, 2018, 130, 43-52.	1.8	5
25	Continuum removal for ground-based LWIR hyperspectral infrared imagery applying non-negative matrix factorization. Applied Optics, 2018, 57, 6219.	0.9	14
26	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.	1.3	28
27	Modified algorithm for mineral identification in LWIR hyperspectral imagery. , 2017, , .		1
28	Thermal NDT applying Candid Covariance-Free Incremental Principal Component Thermography (CCIPCT). , 2017, , .		5
29	Quantitative assessment in thermal image segmentation for artistic objects. , 2017, , .		3
30	Automatic IRNDT inspection applying sparse PCA-based clustering. , 2017, , .		9
31	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.	1.3	79
32	Slow feature action prototypes effect assessment in mechanism for recognition of biological movement ventral stream. International Journal of Bio-Inspired Computation, 2016, 8, 410.	0.6	5
33	Automated assessment and tracking of human body thermal variations using unsupervised clustering. Applied Optics, 2016, 55, D162.	2.1	19
34	Emissivity retrieval from indoor hyperspectral imaging of mineral grains. , 2016, , .		3
35	Development of Biological Movement Recognition by Interaction between Active Basis Model and Fuzzy Optical Flow Division. Scientific World Journal, The, 2014, 2014, 1-14.	0.8	6
36	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.	0.8	6

#	ARTICLE	IF	CITATIONS
37	Biological inspired human action recognition. , 2013, , .		5
38	Development of Fast Incremental Slow Feature Analysis (F-IncSFA). , 2012, , .		1