Haikel S Hichri

List of Publications by Year
in descending order

65 papers	**2,218** citations	393982 **19** h-index	315357 **38** g-index
65 all docs	**65** docs citations	**65** times ranked	**2470** citing authors

#	Article	IF	Citations
1	Deep learning approach for active classification of electrocardiogram signals. Information Sciences, 2016, 345, 340-354.	4.0	467
2	Deep Learning Approach for Car Detection in UAV Imagery. Remote Sensing, 2017, 9, 312.	1.8	219
3	Classification of Remote Sensing Images Using EfficientNet-B3 CNN Model With Attention. IEEE Access, 2021, 9, 14078-14094.	2.6	144
4	Using convolutional features and a sparse autoencoder for land-use scene classification. International Journal of Remote Sensing, 2016, 37, 2149-2167.	1.3	141
5	Domain Adaptation Network for Cross-Scene Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 4441-4456.	2.7	127
6	Differential Evolution Extreme Learning Machine for the Classification of Hyperspectral Images. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1066-1070.	1.4	126
7	Efficient Framework for Palm Tree Detection in UAV Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4692-4703.	2.3	87
8	Electrocardiogram heartbeat classification based on a deep convolutional neural network and focal loss. Computers in Biology and Medicine, 2020, 123, 103866.	3.9	80
9	Simple Yet Effective Fine-Tuning of Deep CNNs Using an Auxiliary Classification Loss for Remote Sensing Scene Classification. Remote Sensing, 2019, 11, 2908.	1.8	69
10	Fusion of Extreme Learning Machine and Graph-Based Optimization Methods for Active Classification of Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 527-531.	1.4	54
11	A novel deep learning based method for the computational material design of flexoelectric nanostructures with topology optimization. Finite Elements in Analysis and Design, 2019, 165, 21-30.	1.7	53
12	Siamese-GAN: Learning Invariant Representations for Aerial Vehicle Image Categorization. Remote Sensing, 2018, 10, 351.	1.8	50
13	HBS: A Novel Biometric Feature Based on Heartbeat Morphology. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 445-453.	3.6	44
14	Virtual circles: a new set of features for fast image registration. Pattern Recognition Letters, 2003, 24, 1181-1190.	2.6	39
15	Learning a Multi-Branch Neural Network from Multiple Sources for Knowledge Adaptation in Remote Sensing Imagery. Remote Sensing, 2018, 10, 1890.	1.8	33
16	Domain adaptation methods for ECG classification. , 2013, , .		29
17	Few-Shot Learning For Remote Sensing Scene Classification. , 2020, , .		28
18	Deep Open-Set Domain Adaptation for Cross-Scene Classification based on Adversarial Learning and Pareto Ranking. Remote Sensing, 2020, 12, 1716.	1.8	26

#	Article	IF	Citations
19	Interactive Segmentation for Change Detection in Multispectral Remote-Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 298-302.	1.4	25
20	Helping the Visually Impaired See via Image Multi-labeling Based on SqueezeNet CNN. Applied Sciences (Switzerland), 2019, 9, 4656.	1.3	23
21	Robust Estimation of Water Chlorophyll Concentrations With Gaussian Process Regression and IOWA Aggregation Operators. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 3019-3028.	2.3	21
22	Few Shot Scene Classification in Remote Sensing using Meta-Agnostic Machine. , 2020, , .		21
23	SSDAN: Multi-Source Semi-Supervised Domain Adaptation Network for Remote Sensing Scene Classification. Remote Sensing, 2021, 13, 3861.	1.8	19
24	An automatic approach for palm tree counting in UAV images. , 2014, , .		18
25	Classification of AAMI heartbeat classes with an interactive ELM ensemble learning approach. Biomedical Signal Processing and Control, 2015, 19, 56-67.	3.5	18
26	Multi-Scale Convolutional Neural Network for Remote Sensing Scene Classification. , 2018, , .		17
27	Multi-resolution image registration using multi-class Hausdorff fraction. Pattern Recognition Letters, 2002, 23, 279-286.	2.6	16
28	A novel fusion approach based on induced ordered weighted averaging operators for chemometric data analysis. Journal of Chemometrics, 2013, 27, 447-456.	0.7	16
29	Tile-Based Semisupervised Classification of Large-Scale VHR Remote Sensing Images. Journal of Sensors, 2018, 2018, 1-14.	0.6	15
30	UAV Image Multi-Labeling with Data-Efficient Transformers. Applied Sciences (Switzerland), 2021, 11, 3974.	1.3	13
31	Using OWA Fusion Operators for the Classification of Hyperspectral Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 602-614.	2.3	12
32	Multitask Classification of Remote Sensing Scenes Using Deep Neural Networks. , 2018, , .		11
33	Clustering of Hyperspectral Images with an Ensemble Method Based on Fuzzy C-Means and Markov Random Fields. Arabian Journal for Science and Engineering, 2014, 39, 3747-3757.	1.1	10
34	Scene Description for Visually Impaired People with Multi-Label Convolutional SVM Networks. Applied Sciences (Switzerland), 2019, 9, 5062.	1.3	10
35	LwF-ECG: Learning-without-forgetting approach for electrocardiogram heartbeat classification based on memory with task selector. Computers in Biology and Medicine, 2021, 137, 104807.	3.9	10
36	Premature Ventricular Contraction Arrhythmia Detection and Classification with Gaussian Process and S Transform. , 2013, , .		9

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37	Real-Time Mobile-Based Electrocardiogram System for Remote Monitoring of Patients with Cardiac Arrhythmias. International Journal of Pattern Recognition and Artificial Intelligence, 2020, 34, 2058013.	0.7	9
38	Three-Layer Convex Network for Domain Adaptation in Multitemporal VHR Images. IEEE Geoscience and Remote Sensing Letters, 2016, , 1-5.	1.4	8
39	Automatic Premature Ventricular Contractions Detection for Multi-Lead Electrocardiogram Signal. , 2018, , .		8
40	Continual Learning Approach for Remote Sensing Scene Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	8
41	Adversarial Learning for Knowledge Adaptation From Multiple Remote Sensing Sources. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1451-1455.	1.4	8
42	Classification of Short-time Single-lead ECG Recordings Using Deep Residual CNN. , 2019, , .		7
43	CNN Ensemble Approach to Detect COVID-19 from Computed Tomography Chest Images. Computers, Materials and Continua, 2021, 67, 3581-3599.	1.5	7
44	Image registration using the Hausdorff fraction and virtual circles. , 0, , .		6
45	Assisting the Visually Impaired in Multi-object Scene Description Using OWA-Based Fusion of CNN Models. Arabian Journal for Science and Engineering, 2020, 45, 10511-10527.	1.7	6
46	A hierarchical learning paradigm for semi-supervised classification of remote sensing images. , 2015, , .		5
47	A deep learning approach for unsupervised domain adaptation in multitemporal remote sensing images. , 2015, , .		5
48	Generative Adversarial Networks for Cross-Scene Classification in Remote Sensing Images. , 2018, , .		5
49	Unified Generative Adversarial Networks for Multidomain Fingerprint Presentation Attack Detection. Entropy, 2021, 23, 1089.	1.1	5
50	SqueezeNet with Attention for Remote Sensing Scene Classification. , 2020, , .		5
51	Low-level invariant image retrieval based on results fusion. , 2008, , .		4
52	A cluster ensemble method for robust unsupervised classification of VHR remote sensing images. , 2011, , .		4
53	Multi-Instance Neural Network Architecture for Scene Classification in Remote Sensing. , 2019, , .		4
54	Fusion of CNN ensemble for Remote Sensing Scene Classification. , 2020, , .		4

#	Article	IF	Citations
55	Robust classification of hyperspectral images based on the combination of supervised and unsupervised learning paradigms. , 2012, , .		3
56	Selective Data Augmentation Approach for Remote Sensing Scene Classification. , 2020, , .		2
57	Image registration using virtual circles and edge direction. , 0, , .		1
58	TACKLING THE PROBLEM OF INVARIANT TEXTURE RETRIEVAL USING MULTIPLE STRATEGIES. International Journal of Image and Graphics, 2011, 11, 43-64.	1.2	1
59	Sift-ELM approach for unsupervised change detection in VHR images. , 2014, , .		1
60	Multiple Object Scene Description for the Visually Impaired Using Pre-trained Convolutional Neural Networks. Lecture Notes in Computer Science, 2016, , 290-295.	1.0	1
61	Classification of Remote Sensing scenes using Semi-Supervised Domain Adaptation based on Entropy Adversarial Optimization. , 2021, , .		1
62	AUTOMATIC IMAGE REGISTRATION USING VIRTUAL CIRCLES. International Journal of Image and Graphics, 2004, 04, 281-299.	1.2	0
63	Interactive change detection techniques in multitemporal multispectral remote sensing images. , 2012, , .		0
64	Deep Learning approach for Multiple Source Classification in Remote Sensing Imagery. , 2020, , .		0
65	A Convolutional Neural Network Solution for Spectroscopic Data Regression. , 2020, , .		0