Cedric Wemmert

List of Publications by Year
in descending order

50 papers	835 citations	516710 16 h-index	552781 26 g-index
53 all docs	53 docs citations	53 times ranked	800 citing authors

#	Article	IF	Citations
1	Deep learning methods evaluation to predict air quality based on Computational Fluid Dynamics. Expert Systems With Applications, 2022, 203, 117294.	7.6	9
2	Data augmentation based on spatial deformations for histopathology: An evaluation in the context of glomeruli segmentation. Computer Methods and Programs in Biomedicine, 2022, 221, 106919.	4.7	1
3	Deep Learning for Histopathological Image Analysis. , 2021, , 153-169.		3
4	Self Adversarial Attack as an Augmentation Method for Immunohistochemical Stainings. , 2021, , .		6
5	On the minimal wind directions required to assess mean annual air pollution concentration based on CFD results. Sustainable Cities and Society, 2021, 71, 102920.	10.4	10
6	An automatic framework for fusing information from differently stained consecutive digital whole slide images: A case study in renal histology. Computer Methods and Programs in Biomedicine, 2021, 208, 106157.	4.7	7
7	Towards histopathological stain invariance by Unsupervised Domain Augmentation using generative adversarial networks. Neurocomputing, 2021, 460, 277-291.	5.9	21
8	Assessment of mean annual NO_2 concentration based on a partial dataset. Atmospheric Environment, 2020, 221, 117087.	4.1	11
9	Effects of wind speed and atmospheric stability on the air pollution reduction rate induced by noise barriers. Journal of Wind Engineering and Industrial Aerodynamics, 2020, 200, 104160.	3.9	19
10	Methodologies to assess mean annual air pollution concentration combining numerical results and wind roses. Sustainable Cities and Society, 2020, 59, 102221.	10.4	17
11	Strategies for Training Stain Invariant CNNS. , 2019, , .		10
12	Deconstructing the diagnostic reasoning of human versus artificial intelligence. Cmaj, 2019, 191, E1332-E1335.	2.0	21
13	Crowdsourcing of Histological Image Labeling and Object Delineation by Medical Students. IEEE Transactions on Medical Imaging, 2019, 38, 1284-1294.	8.9	26
14	Collaborative clustering: Why, when, what and how. Information Fusion, 2018, 39, 81-95.	19.1	77
15	Role of Task Complexity and Training in Crowdsourced Image Annotation. Lecture Notes in Computer Science, 2018, , 44-51.	1.3	4
16	Image analysis of immune cell patterns in the human mammary gland during the menstrual cycle refines lymphocytic lobulitis. Breast Cancer Research and Treatment, 2017, 164, 305-315.	2.5	3
17	Detection of lobular structures in normal breast tissue. Computers in Biology and Medicine, 2016, 74, 91-102.	7.0	18
18	Semi-supervised learning using multiple clusterings with limited labeled data. Information Sciences, 2016, 361-362, 48-65.	6.9	36

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19	In-silico insights on the prognostic potential of immune cell infiltration patterns in the breast lobular epithelium. Scientific Reports, 2016, 6, 33322.	3.3	21
20	Efficient Region-based Classification for Whole Slide Images. Communications in Computer and Information Science, 2015, , 239-256.	0.5	2
21	Synthesizing whole slide images. , 2015, , .		4
22	A Layered Architecture for a Fuzzy Semantic Approach for Satellite Image Analysis. International Journal of Knowledge and Systems Science, 2015, 6, 31-56.	0.8	3
23	Template-Based Hierarchical Building Extraction. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 706-710.	3.1	9
24	A Fuzzy-Rule Based Ontology for Urban Object Recognition. , 2014, , .		1
25	Stain unmixing in brightfield multiplexed immunohistochemistry. , 2013, , .		12
26	Towards a Semi-automatic Semantic Approach for Satellite Image Analysis. Procedia Computer Science, 2013, 22, 1388-1397.	2.0	6
27	Coastal image interpretation using background knowledge and semantics. Computers and Geosciences, 2013, 54, 88-96.	4.2	25
28	Comparison of optical sensors discrimination ability using spectral libraries. International Journal of Remote Sensing, 2013, 34, 2327-2349.	2.9	12
29	Learning fuzzy rules to characterize objects of interest from remote sensing images. , 2013, , .		2
30	Combat or surveillance? Evaluation of the heterogeneous inflammatory breast cancer microenvironment. Journal of Pathology, 2013, 229, 569-578.	4.5	38
31	Knowledge-based region labeling for remote sensing image interpretation. Computers, Environment and Urban Systems, 2012, 36, 470-480.	7.1	71
32	Hierarchical classification-based radon road extraction (HCBRRE). , 2012, , .		2
33	Supervised image segmentation using watershed transform, fuzzy classification and evolutionary computation. Pattern Recognition Letters, 2010, 31, 2364-2374.	4.2	63
34	Collaborative clustering with background knowledge. Data and Knowledge Engineering, 2010, 69, 211-228.	3.4	73
35	Towards conflict resolution in collaborative clustering. , 2010, , .		6
36	Multiresolution Remote Sensing Image Clustering. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 533-537.	3.1	31

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37	Mining Multiple Satellite Sensor Data Using Collaborative Clustering. , 2009, , .		3
38	Mining spectral libraries to study sensors' discrimination ability. , 2009, , .		4
39	Improving Supervised Learning with Multiple Clusterings. Studies in Computational Intelligence, 2009, , 135-149.	0.9	0
40	On Combining Unsupervised Classification and Ontology Knowledge. , 2008, , .		0
41	Semi-supervised Collaborative Clustering with Partial Background Knowledge. , 2008, , .		2
42	Multisource Images Analysis Using Collaborative Clustering. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.7	8
43	Collaborative Multi-Strategical Clustering for Object-Oriented Image Analysis. Studies in Computational Intelligence, 2008, , 71-88.	0.9	7
44	On the complementarity of an ontology and a nearest neighbour classifier for remotely sensed image interpretation. , 2007, , .		2
45	Ontology-Based Object Recognition for Remote Sensing Image Interpretation. , 2007, , .		42
46	On Machine Learning in Watershed Segmentation. IEEE International Workshop on Machine Learning for Signal Processing, 2007, , .	0.0	11
47	Collaborative multi-step mono-level multi-strategy classification. Multimedia Tools and Applications, 2007, 35, 1-27.	3.9	13
48	Watershed Segmentation of Remotely Sensed Images Based on a Supervised Fuzzy Pixel Classification. , 2006, , .		16
49	Collaborative multi-strategy classification. , 2005, , .		4
50	A COLLABORATIVE APPROACH TO COMBINE MULTIPLE LEARNING METHODS. International Journal on Artificial Intelligence Tools, 2000, 09, 59-78.	1.0	28