Karl Thurnhofer-Hemsi

List of Publications by Year
in descending order

29 papers	442 citations	1040056 9 h-index	752698 20 g-index
34 all docs	34 docs citations	34 times ranked	438 citing authors

#	Article	IF	Citations
1	Artificial intelligence within the interplay between natural and artificial computation: Advances in data science, trends and applications. Neurocomputing, 2020, 410, 237-270.	5.9	121
2	A Convolutional Neural Network Framework for Accurate Skin Cancer Detection. Neural Processing Letters, 2021, 53, 3073-3093.	3.2	59
3	Vehicle type detection by ensembles of convolutional neural networks operating on super resolved images. Integrated Computer-Aided Engineering, 2018, 25, 321-333.	4.6	56
4	Skin Lesion Classification by Ensembles of Deep Convolutional Networks and Regularly Spaced Shifting. IEEE Access, 2021, 9, 112193-112205.	4.2	25
5	Multiobjective optimization of deep neural networks with combinations of Lp-norm cost functions for 3D medical image super-resolution. Integrated Computer-Aided Engineering, 2020, 27, 233-251.	4.6	21
6	Cholinergic Potentiation and Audiovisual Repetition-Imitation Therapy Improve Speech Production and Communication Deficits in a Person with Crossed Aphasia by Inducing Structural Plasticity in White Matter Tracts. Frontiers in Human Neuroscience, 2017, 11, 304.	2.0	19
7	Diabetic Wound Segmentation using Convolutional Neural Networks. , 2019, 2019, 1002-1005.		19
8	Loss of regional accent after damage to the speech production network. Frontiers in Human Neuroscience, 2015, 9, 610.	2.0	13
9	Mild Developmental Foreign Accent Syndrome and Psychiatric Comorbidity: Altered White Matter Integrity in Speech and Emotion Regulation Networks. Frontiers in Human Neuroscience, 2016, 10, 399.	2.0	13
10	Ellipse fitting by spatial averaging of random ensembles. Pattern Recognition, 2020, 106, 107406.	8.1	11
11	Are you a doctor? â€¦ Are you a doctor? Iâ€™m not a doctor! A reappraisal of mitigated echolalia in aphasia with evaluation of neural correlates and treatment approaches. Aphasiology, 2018, 32, 784-813.	2.2	9
12	A fast robust geometric fitting method for parabolic curves. Pattern Recognition, 2018, 84, 301-316.	8.1	9
13	Deep learning-based super-resolution of 3D magnetic resonance images by regularly spaced shifting. Neurocomputing, 2020, 398, 314-327.	5.9	9
14	QModeling: a Multiplatform, Easy-to-Use and Open-Source Toolbox for PET Kinetic Analysis. Neuroinformatics, 2019, 17, 103-114.	2.8	8
15	Vehicle Type Detection by Convolutional Neural Networks. Lecture Notes in Computer Science, 2017, , 268-278.	1.3	6
16	Robust Fitting of Ellipsoids by Separating Interior and Exterior Points During Optimization. Journal of Mathematical Imaging and Vision, 2017, 58, 189-210.	1.3	6
17	Panoramic background modeling for PTZ cameras with competitive learning neural networks. , 2017, , .		5
18	Analyzing Digital Image by Deep Learning for Melanoma Diagnosis. Lecture Notes in Computer Science, 2019, , 270-279.	1.3	5

#	Article	IF	Citations
19	Neural controller for PTZ cameras based on nonpanoramic foreground detection. , 2017, , .		4
20	Panorama construction for PTZ camera surveillance with the neural gas network. Expert Systems, 2018, 35, e12249.	4.5	3
21	Optimization of Convolutional Neural Network Ensemble Classifiers by Genetic Algorithms. Lecture Notes in Computer Science, 2019, , 163-173.	1.3	3
22	Road Pollution Estimation Using Static Cameras And Neural Networks. , 2018, , .		2
23	Super-resolution of 3D Magnetic Resonance Images by Random Shifting and Convolutional Neural Networks. , 2018, , .		2
24	Histopathological image analysis for breast cancer diagnosis by ensembles of convolutional neural networks and genetic algorithms. , 2021, , .		2
25	Ensemble ellipse fitting by spatial median consensus. Information Sciences, 2021, 579, 310-324.	6.9	2
26	Super-Resolution of 3D MRI Corrupted by Heavy Noise With the Median Filter Transform. , 2020, , .		1
27	Enhanced transfer learning model by image shifting on a square lattice for skin lesion malignancy assessment. , 2021, , .		1
28	Deep Learning Networks with p-norm Loss Layers for Spatial Resolution Enhancement of 3D Medical Images. Lecture Notes in Computer Science, 2019, , 287-296.	1.3	0
29	Adaptive estimation of optimal color transformations for deep convolutional network based homography estimation. , 2021, , .		0