

# Karl Thurnhofer-Hemsi

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

442  
citations

1039406

9  
h-index

752256

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. <i>Neurocomputing</i> , 2020, 410, 237-270.	3.5	121
2	A Convolutional Neural Network Framework for Accurate Skin Cancer Detection. <i>Neural Processing Letters</i> , 2021, 53, 3073-3093.	2.0	59
3	Vehicle type detection by ensembles of convolutional neural networks operating on super resolved images. <i>Integrated Computer-Aided Engineering</i> , 2018, 25, 321-333.	2.5	56
4	Skin Lesion Classification by Ensembles of Deep Convolutional Networks and Regularly Spaced Shifting. <i>IEEE Access</i> , 2021, 9, 112193-112205.	2.6	25
5	Multiobjective optimization of deep neural networks with combinations of Lp-norm cost functions for 3D medical image super-resolution. <i>Integrated Computer-Aided Engineering</i> , 2020, 27, 233-251.	2.5	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. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 304.	1.0	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. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 610.	1.0	13
9	Mild Developmental Foreign Accent Syndrome and Psychiatric Comorbidity: Altered White Matter Integrity in Speech and Emotion Regulation Networks. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 399.	1.0	13
10	Ellipse fitting by spatial averaging of random ensembles. <i>Pattern Recognition</i> , 2020, 106, 107406.	5.1	11
11	Are you a doctor? â€¦ Are you a doctor? Iâ€™m not a doctor! </i> A reappraisal of mitigated echolalia in aphasia with evaluation of neural correlates and treatment approaches. <i>Aphasiology</i> , 2018, 32, 784-813.	1.4	9
12	A fast robust geometric fitting method for parabolic curves. <i>Pattern Recognition</i> , 2018, 84, 301-316.	5.1	9
13	Deep learning-based super-resolution of 3D magnetic resonance images by regularly spaced shifting. <i>Neurocomputing</i> , 2020, 398, 314-327.	3.5	9
14	QModeling: a Multiplatform, Easy-to-Use and Open-Source Toolbox for PET Kinetic Analysis. <i>Neuroinformatics</i> , 2019, 17, 103-114.	1.5	8
15	Vehicle Type Detection by Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2017, , 268-278.	1.0	6
16	Robust Fitting of Ellipsoids by Separating Interior and Exterior Points During Optimization. <i>Journal of Mathematical Imaging and Vision</i> , 2017, 58, 189-210.	0.8	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. <i>Lecture Notes in Computer Science</i> , 2019, , 270-279.	1.0	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.	2.9	3
21	Optimization of Convolutional Neural Network Ensemble Classifiers by Genetic Algorithms. Lecture Notes in Computer Science, 2019, , 163-173.	1.0	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.	4.0	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.	1.0	0
29	Adaptive estimation of optimal color transformations for deep convolutional network based homography estimation. , 2021, , .		0