

# Tuá°Ÿn Phá°;m

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

1,754  
citations

361413

20  
h-index

302126

39  
g-index

94  
all docs

94  
docs citations

94  
times ranked

1707  
citing authors

#	ARTICLE	IF	CITATIONS
1	DUNet: A deformable network for retinal vessel segmentation. Knowledge-Based Systems, 2019, 178, 149-162.	7.1	535
2	Classification of COVID-19 chest X-rays with deep learning: new models or fine tuning?. Health Information Science and Systems, 2021, 9, 2.	5.2	123
3	A comprehensive study on classification of COVID-19 on computed tomography with pretrained convolutional neural networks. Scientific Reports, 2020, 10, 16942.	3.3	109
4	Deep learning-based meta-classifier approach for COVID-19 classification using CT scan and chest X-ray images. Multimedia Systems, 2022, 28, 1401-1415.	4.7	78
5	Classification of short time series in early Parkinsons disease with deep learning of fuzzy recurrence plots. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 1306-1317.	13.1	52
6	Texture Analysis and Synthesis of Malignant and Benign Mediastinal Lymph Nodes in Patients with Lung Cancer on Computed Tomography. Scientific Reports, 2017, 7, 43209.	3.3	48
7	Texture Classification and Visualization of Time Series of Gait Dynamics in Patients With Neuro-Degenerative Diseases. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 188-196.	4.9	41
8	Time-Independent Prediction of Burn Depth Using Deep Convolutional Neural Networks. Journal of Burn Care and Research, 2019, 40, 857-863.	0.4	37
9	Tensor Decomposition of Gait Dynamics in Parkinson's Disease. IEEE Transactions on Biomedical Engineering, 2018, 65, 1820-1827.	4.2	36
10	Time-frequency space LSTM for robust classification of physiological signals. Scientific Reports, 2021, 11, 6936.	3.3	35
11	Time-Shift Multiscale Entropy Analysis of Physiological Signals. Entropy, 2017, 19, 257.	2.2	34
12	Artificial Intelligence in Medical Applications. Journal of Healthcare Engineering, 2018, 2018, 1-2.	1.9	32
13	Deep learning based cross architecture internet of things malware detection and classification. Computers and Security, 2022, 120, 102779.	6.0	32
14	The Semi-Variogram and Spectral Distortion Measures for Image Texture Retrieval. IEEE Transactions on Image Processing, 2016, 25, 1556-1565.	9.8	28
15	The Kolmogorov-Sinai entropy in the setting of fuzzy sets for image texture analysis and classification. Pattern Recognition, 2016, 53, 229-237.	8.1	28
16	Pattern analysis of computer keystroke time series in healthy control and early-stage Parkinson's disease subjects using fuzzy recurrence and scalable recurrence network features. Journal of Neuroscience Methods, 2018, 307, 194-202.	2.5	26
17	Attention deep learning-based large-scale learning classifier for Cassava leaf disease classification. Expert Systems, 2022, 39, e12862.	4.5	26
18	Spectral distortion measures for biological sequence comparisons and database searching. Pattern Recognition, 2007, 40, 516-529.	8.1	25

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19	Spatial-dependence recurrence sample entropy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 494, 581-590.	2.6	23
20	Sample entropy and regularity dimension in complexity analysis of cortical surface structure in early Alzheimer's disease and aging. <i>Journal of Neuroscience Methods</i> , 2013, 215, 210-217.	2.5	22
21	Spatial chaos and complexity in the intracellular space of cancer and normal cells. <i>Theoretical Biology and Medical Modelling</i> , 2013, 10, 62.	2.1	21
22	From fuzzy recurrence plots to scalable recurrence networks of time series. <i>Europhysics Letters</i> , 2017, 118, 20003.	2.0	21
23	Estimating Parameters of Optimal Average and Adaptive Wiener Filters for Image Restoration with Sequential Gaussian Simulation. <i>IEEE Signal Processing Letters</i> , 2015, 22, 1950-1954.	3.6	20
24	Tensor Decomposition for Colour Image Segmentation of Burn Wounds. <i>Scientific Reports</i> , 2019, 9, 3291.	3.3	20
25	Peripheral Blood Smear Analysis Using Automated Computer-Aided Diagnosis System to Identify Acute Myeloid Leukemia. <i>IEEE Transactions on Engineering Management</i> , 2023, 70, 2760-2773.	3.5	18
26	Classification of complex biological aging images using fuzzy Kolmogorov-Sinai entropy. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 485402.	2.8	13
27	Personalized identification of abdominal wall hernia meshes on computed tomography. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 113, 153-161.	4.7	13
28	Regularity dimension of sequences and its application to phylogenetic tree reconstruction. <i>Chaos, Solitons and Fractals</i> , 2012, 45, 879-887.	5.1	12
29	Geostatistical Simulation of Medical Images for Data Augmentation in Deep Learning. <i>IEEE Access</i> , 2019, 7, 68752-68763.	4.2	12
30	A cost-sensitive deep learning-based meta-classifier for pediatric pneumonia classification using chest X-rays. <i>Expert Systems</i> , 2022, 39, .	4.5	12
31	Fuzzy Recurrence Plots and Networks with Applications in Biomedicine. , 2020, , .		11
32	Fuzzy cross and fuzzy joint recurrence plots. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 540, 123026.	2.6	11
33	Automated VSS-based Burn Scar Assessment using Combined Texture and Color Features of Digital Images in Error-Correcting Output Coding. <i>Scientific Reports</i> , 2017, 7, 16744.	3.3	10
34	Artificial intelligence-based 5-year survival prediction and prognosis of DNp73 expression in rectal cancer patients. <i>Clinical and Translational Medicine</i> , 2020, 10, e159.	4.0	10
35	Improving burn depth assessment for pediatric scalds by AI based on semantic segmentation of polarized light photography images. <i>Burns</i> , 2021, 47, 1586-1593.	1.9	10
36	A novel method for dendritic spines detection based on directional morphological filter and shortest path. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 793-802.	5.8	9

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37	Computerized Assessment of Communication for Cognitive Stimulation for People with Cognitive Decline Using Spectral-Distortion Measures and Phylogenetic Inference. PLoS ONE, 2015, 10, e0118739.	2.5	9
38	Fuzzy weighted recurrence networks of time series. Physica A: Statistical Mechanics and Its Applications, 2019, 513, 409-417.	2.6	8
39	Toward Data-Model-Agnostic Autonomous Machine-Generated Data Labeling and Annotation Platform: COVID-19 Autoannotation Use Case. IEEE Transactions on Engineering Management, 2023, 70, 2695-2706.	3.5	8
40	Geostatistical Entropy for Texture Analysis: An Indicator Kriging Approach. International Journal of Intelligent Systems, 2014, 29, 253-265.	5.7	7
41	Fuzzy recurrence entropy. Europhysics Letters, 2020, 130, 40004.	2.0	7
42	Convolutional fuzzy recurrence eigenvalues. Europhysics Letters, 2021, 135, 20002.	2.0	7
43	Quantification analysis of fuzzy recurrence plots. Europhysics Letters, 2022, 137, 62002.	2.0	7
44	Toward the development of a cost-effective e-depression detection system. , 2012, , .		6
45	Identification of intestinal wall abnormalities and ischemia by modeling spatial uncertainty in computed tomography imaging findings. Computer Methods and Programs in Biomedicine, 2014, 117, 30-39.	4.7	6
46	Clustered nuclei splitting via curvature information and gray-scale distance transform. Journal of Microscopy, 2015, 259, 36-52.	1.8	6
47	Time-frequency time-space long short-term memory networks for image classification of histopathological tissue. Scientific Reports, 2021, 11, 13703.	3.3	6
48	Kriging-Weighted Laplacian Kernels for Grayscale Image Sharpening. IEEE Access, 2022, 10, 57094-57106.	4.2	6
49	Deep Learning Of P73 Biomarker Expression In Rectal Cancer Patients. , 2019, , .		5
50	From Raw Pixels to Recurrence Image for Deep Learning of Benign and Malignant Mediastinal Lymph Nodes on Computed Tomography. IEEE Access, 2021, 9, 96267-96278.	4.2	5
51	The Recurrence Dynamics of Personalized Depression. , 2020, , .		5
52	Segmentation of mitochondria in intracellular space. , 2013, , .		4
53	The butterfly effect in ER dynamics and ER-mitochondrial contacts. Chaos, Solitons and Fractals, 2014, 65, 5-19.	5.1	4
54	The multiple-point variogram of images for robust texture classification. , 2016, , .		4

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55	Image-Based Network Analysis of DNp73 Expression by Immunohistochemistry in Rectal Cancer Patients. <i>Frontiers in Physiology</i> , 2019, 10, 1551.	2.8	4
56	Spatial Uncertainty Modeling of Fuzzy Information in Images for Pattern Classification. <i>PLoS ONE</i> , 2014, 9, e105075.	2.5	3
57	A regularity statistic for images. <i>Chaos, Solitons and Fractals</i> , 2018, 106, 227-232.	5.1	3
58	Recurrence eigenvalues of movements from brain signals. <i>Brain Informatics</i> , 2021, 8, 22.	3.0	3
59	Classification of Benign and Metastatic Lymph Nodes in Lung Cancer with Deep Learning. , 2020, , .		3
60	Image texture analysis using geostatistical information entropy. , 2012, , .		2
61	Chaotic Behavior in Intracellular Space: An Implication for Modeling and Simulation of Cancer. , 2012, , .		2
62	Feature Correspondence with Even Distribution. , 2012, , .		2
63	Pattern analysis and classification of blood oxygen saturation signals with nonlinear dynamics features. , 2018, , .		2
64	NONLINEAR DYNAMICS ANALYSIS OF SHORT-TIME PHOTOPLETHYSMOGRAM IN PARKINSONâ€™S DISEASE. , 2018, , .		2
65	Tensor Decomposition of Non-EEG Physiological Signals for Visualization and Recognition of Human Stress. , 2019, , .		2
66	Fuzzy Cross Recurrence Analysis and Tensor Decomposition of Major-Depression Time-Series Data. , 2021, , .		2
67	Fuzzy Recurrence Plots. , 2020, , 29-55.		2
68	K-S entropy of images. , 2013, , .		1
69	Image classification of bowel abnormalities and ischemia. , 2014, , .		1
70	Enhancing texture characteristics with synthesis and noise for image retrieval. , 2016, , .		1
71	Validation of Computer Models for Evaluating the Efficacy of Cognitive Stimulation Therapy. <i>Wireless Personal Communications</i> , 2017, 94, 301-314.	2.7	1
72	Quantification of White Matter Lesions on Brain MRI with 2D Fuzzy Weighted Recurrence Networks. , 2019, , .		1

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73	Noise-Added Texture Analysis. Lecture Notes in Computer Science, 2017, , 93-100.	1.3	1
74	Fusion of Momentary Moods in Major Depression with Fuzzy Recurrence Analysis and Tensor Decomposition. , 2021, , .		1
75	Classification Of Ecg Signals Of Heart Beats Using Tf-Ts Lstm With Augmented Fuzzy Recurrence Eigenvalues. , 2022, , .		1
76	How Complex Is Cancer Intracellular Signaling Space in FIB-SEM Images?. , 2012, , .		0
77	Pattern analysis of imaging markers in abdominal aortic aneurysms. , 2013, , .		0
78	The chaotic behavior of the endoplasmic-reticulum network in time-lapse microscopy images. , 2013, , .		0
79	Characterization of cancer intracellular space using the K-S entropy for images. , 2014, , .		0
80	Modeling spatial uncertainty of imprecise information in images. , 2014, , .		0
81	Detecting mitochondria in intracellular images with nonstationary indicator kriging. , 2014, , .		0
82	Editorial. Computer Methods and Programs in Biomedicine, 2014, 117, 1.	4.7	0
83	Photoplethysmography technology and its feature visualization for cognitive stimulation assessment. , 2015, , .		0
84	Editorial. Computers in Biology and Medicine, 2015, 63, 228.	7.0	0
85	Entropy rates of physiological aging on microscopy. , 2016, , .		0
86	Measures of spatial distortion using kriging. , 2016, , .		0
87	Fuzzy Recurrence Exponents of Subcellular-Nanostructure Dynamics in Time-Lapse Confocal Imaging. IEEE Transactions on Nanobioscience, 2021, 20, 497-506.	3.3	0
88	Fuzzy Recurrence Networks. , 2020, , 57-79.		0
89	Applications in Biomedicine. , 2020, , 99-167.		0
90	Classification of Gait in Parkinson's Disease using Single Sensors. , 2021, , .		0