

Hamid A Jalab

List of Publications by Year in descending order

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Version: 2024-02-01

102
papers

1,737
citations

279487

23
h-index

360668

35
g-index

102
all docs

102
docs citations

102
times ranked

1295
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification of Covid-19 Coronavirus, Pneumonia and Healthy Lungs in CT Scans Using Q-Deformed Entropy and Deep Learning Features. Entropy, 2020, 22, 517.	1.1	112
2	Combining Deep and Handcrafted Image Features for MRI Brain Scan Classification. IEEE Access, 2019, 7, 79959-79967.	2.6	79
3	An Overview on Hiding Information Technique in Images. Journal of Applied Sciences, 2010, 10, 2094-2100.	0.1	65
4	On the Capacity and Security of Steganography Approaches: An Overview. Journal of Applied Sciences, 2010, 10, 1825-1833.	0.1	60
5	Riesz Fractional Based Model for Enhancing License Plate Detection and Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2276-2288.	5.6	59
6	Segmentation of Brain Tumors in MRI Images Using Three-Dimensional Active Contour without Edge. Symmetry, 2016, 8, 132.	1.1	56
7	Image retrieval system based on color layout descriptor and Gabor filters. , 2011, , .		51
8	Fractional Alexander polynomials for image denoising. Signal Processing, 2015, 107, 340-354.	2.1	47
9	State of the art in passive digital image forgery detection: copy-move image forgery. Pattern Analysis and Applications, 2018, 21, 291-306.	3.1	44
10	Extracting features from online software reviews to aid requirements reuse. Applied Soft Computing Journal, 2016, 49, 1297-1315.	4.1	43
11	A survey on skin detection in colored images. Artificial Intelligence Review, 2019, 52, 1041-1087.	9.7	41
12	Robust watermarking algorithm for digital images using discrete wavelet and probabilistic neural network. Journal of King Saud University - Computer and Information Sciences, 2015, 27, 393-401.	2.7	39
13	Anti-spoofing method for fingerprint recognition using patch based deep learning machine. Engineering Science and Technology, an International Journal, 2020, 23, 264-273.	2.0	38
14	A novel forged blurred region detection system for image forensic applications. Expert Systems With Applications, 2016, 64, 1-10.	4.4	36
15	Skin segmentation based on multi pixel color clustering models. , 2012, 22, 933-940.		35
16	Existence of Ulam Stability for Iterative Fractional Differential Equations Based on Fractional Entropy. Entropy, 2015, 17, 3172-3181.	1.1	34
17	A Hybrid Algorithm for Clustering of Time Series Data Based on Affinity Search Technique. Scientific World Journal, The, 2014, 2014, 1-12.	0.8	33
18	A new deformable model based on fractional Wright energy function for tumor segmentation of volumetric brain MRI scans. Computer Methods and Programs in Biomedicine, 2018, 163, 21-28.	2.6	31

#	ARTICLE	IF	CITATIONS
19	A New Local Fractional Entropy-Based Model for Kidney MRI Image Enhancement. Entropy, 2018, 20, 344.	1.1	31
20	Improving RLRN Image Splicing Detection with the Use of PCA and Kernel PCA. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	30
21	Fractional Differential Texture Descriptors Based on the Machado Entropy for Image Splicing Detection. Entropy, 2015, 17, 4775-4785.	1.1	30
22	Copy move image forgery detection using Hessian and center symmetric local binary pattern. , 2015, , .		28
23	Image Region Duplication Forgery Detection Based on Angular Radial Partitioning and Harris Key-Points. Symmetry, 2016, 8, 62.	1.1	28
24	Fractional poisson enhancement model for text detection and recognition in video frames. Pattern Recognition, 2016, 52, 433-447.	5.1	28
25	Denoising Algorithm Based on Generalized Fractional Integral Operator with Two Parameters. Discrete Dynamics in Nature and Society, 2012, 2012, 1-14.	0.5	26
26	Systematic Literature Review on Penetration Testing for Mobile Cloud Computing Applications. IEEE Access, 2019, 7, 173524-173540.	2.6	26
27	Image denoising algorithm based on the convolution of fractional Tsallis entropy with the Riesz fractional derivative. Neural Computing and Applications, 2017, 28, 217-223.	3.2	25
28	New Texture Descriptor Based on Modified Fractional Entropy for Digital Image Splicing Forgery Detection. Entropy, 2019, 21, 371.	1.1	25
29	A medical image enhancement based on generalized class of fractional partial differential equations. Quantitative Imaging in Medicine and Surgery, 2022, 12, 172-183.	1.1	24
30	Texture Enhancement for Medical Images Based on Fractional Differential Masks. Discrete Dynamics in Nature and Society, 2013, 2013, 1-10.	0.5	22
31	Texture Enhancement Based on the Savitzky-Golay Fractional Differential Operator. Mathematical Problems in Engineering, 2013, 2013, 1-8.	0.6	21
32	Combined Spline and B-spline for an Improved Automatic Skin Lesion Segmentation in Dermoscopic Images Using Optimal Color Channel. Journal of Medical Systems, 2014, 38, 80.	2.2	21
33	Local fractional system for economic order quantity using entropy solution. Advances in Difference Equations, 2019, 2019, .	3.5	18
34	Static Hand Gesture Recognition for Human Computer Interaction. Information Technology Journal, 2012, 11, 1265-1271.	0.3	18
35	Kidney segmentation in MR images using active contour model driven by fractional-based energy minimization. Signal, Image and Video Processing, 2020, 14, 1361-1368.	1.7	17
36	A hybrid classification algorithm approach for breast cancer diagnosis. , 2016, , .		16

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37	Defect detection based on extreme edge of defective region histogram. Journal of King Saud University - Computer and Information Sciences, 2018, 30, 33-40.	2.7	16
38	Image splicing forgery detection based on low-dimensional singular value decomposition of discrete cosine transform coefficients. Neural Computing and Applications, 2019, 31, 7867-7877.	3.2	16
39	MRI Brain Classification Using the Quantum Entropy LBP and Deep-Learning-Based Features. Entropy, 2020, 22, 1033.	1.1	16
40	Fractional means based method for multi-oriented keyword spotting in video/scene/license plate images. Expert Systems With Applications, 2019, 118, 1-19.	4.4	15
41	Efficient classification of COVID-19 CT scans by using q-transform model for feature extraction. PeerJ Computer Science, 0, 7, e553.	2.7	14
42	Keypoint Based Authentication And Localization Of Copy-Move Forgery In Digital Image. Malaysian Journal of Computer Science, 2017, 30, 117-133.	0.5	14
43	Cloud Entropy Management System Involving a Fractional Power. Entropy, 2016, 18, 14.	1.1	13
44	Perturbation of Fractional Multi-Agent Systems in Cloud Entropy Computing. Entropy, 2016, 18, 31.	1.1	13
45	Existence of the solution of fractional integral inclusion with time delay. Miskolc Mathematical Notes, 2010, 11, 139.	0.3	13
46	Human computer interface using hand gesture recognition based on neural network. , 2015, , .		12
47	A new Fractal Series Expansion based enhancement model for license plate recognition. Signal Processing: Image Communication, 2020, 89, 115958.	1.8	11
48	A New Medical Image Enhancement Algorithm Based on Fractional Calculus. Computers, Materials and Continua, 2021, 68, 1467-1483.	1.5	11
49	Magnetic Resonance Imaging Segmentation Techniques of Brain Tumors: A Review. Archives of Neuroscience, 2019, 6, .	0.1	11
50	A novel pixelâ€™s fractional mean-based image enhancement algorithm for better image splicing detection. Journal of King Saud University - Science, 2022, 34, 101805.	1.6	11
51	A new system for hidden data within header space for EXE-File using object oriented technique. , 2010, , .		10
52	SVD-based image splicing detection. , 2014, , .		10
53	Fractional Conway Polynomials for Image Denoising with Regularized Fractional Power Parameters. Journal of Mathematical Imaging and Vision, 2015, 51, 442-450.	0.8	10
54	Increased capacity of image based steganography using artificial neural network. , 2012, , .		9

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55	Existence of Entropy Solutions for Nonsymmetric Fractional Systems. <i>Entropy</i> , 2014, 16, 4911-4922.	1.1	9
56	In-vivo Barrett's esophagus digital pathology stage classification through feature enhancement of confocal laser endomicroscopy. <i>Journal of Medical Imaging</i> , 2019, 6, 1.	0.8	9
57	Image denoising algorithms based on fractional sinc with the covariance of fractional Gaussian fields. <i>Imaging Science Journal</i> , 2016, 64, 100-108.	0.2	8
58	WATER-BODY SEGMENTATION IN SATELLITE IMAGERY APPLYING MODIFIED KERNEL KMEANS. <i>Malaysian Journal of Computer Science</i> , 2018, 31, 143-154.	0.5	8
59	Time-Space Fractional Heat Equation in the Unit Disk. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-7.	0.3	7
60	Performance of grey level statistic features versus Gabor wavelet for screening MRI brain tumors: A comparative study. , 2016, , .		7
61	Hybridizing Meta-heuristics Approaches for Solving University Course Timetabling Problems. <i>Lecture Notes in Computer Science</i> , 2013, , 374-384.	1.0	7
62	Content-Based Image Retrieval Based on Electromagnetism-Like Mechanism. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-10.	0.6	6
63	Entropy solution of fractional dynamic cloud computing system associated with finite boundary condition. <i>Boundary Value Problems</i> , 2016, 2016, .	0.3	6
64	A Joint Evaluation of Energy-Efficient Downlink Scheduling and Partial CQI Feedback for LTE Video Transmission. <i>Wireless Personal Communications</i> , 2018, 98, 189-211.	1.8	6
65	Combination of Local Binary Pattern and Face Geometric Features for Gender Classification from Face Images. , 2019, , .		6
66	Improved Image Splicing Forgery Detection by Combination of Conformable Focus Measures and Focus Measure Operators Applied on Obtained Redundant Discrete Wavelet Transform Coefficients. <i>Symmetry</i> , 2019, 11, 1392.	1.1	6
67	Fractional Rényi Entropy Image Enhancement for Deep Segmentation of Kidney MRI. <i>Computers, Materials and Continua</i> , 2021, 67, 2061-2075.	1.5	6
68	Automatic skin lesion segmentation with optimal colour channel from dermoscopic images. <i>ScienceAsia</i> , 2014, 40S, 1.	0.2	6
69	Discrete boundary value problem based on the fractional Gâteaux derivative. <i>Boundary Value Problems</i> , 2015, 2015, .	0.3	5
70	A comparison study on SVD-based features in different transforms for image splicing detection. , 2015, , .		5
71	Human computer interface using hand gesture recognition based on neural network. , 2015, , .		5
72	Image Splicing Detection Based on Texture Features with Fractal Entropy. <i>Computers, Materials and Continua</i> , 2021, 69, 3903-3915.	1.5	5

#	ARTICLE	IF	CITATIONS
73	Numerical solution of Lane-Emden equation using neural network. , 2012, , .		4
74	Regularized Fractional Power Parameters for Image Denoising Based on Convex Solution of Fractional Heat Equation. Abstract and Applied Analysis, 2014, 2014, 1-8.	0.3	4
75	Automatic grade classification of Barretts Esophagus through feature enhancement. , 2017, , .		4
76	Image splicing detection using singular value decomposition. , 2017, , .		4
77	A geometric and fractional entropy-based method for family photo classification. Expert Systems With Applications: X, 2019, 3, 100008.	4.6	4
78	Electromagnetismlike Mechanism Descriptor with Fourier Transform for a Passive Copy-move Forgery Detection in Digital Image Forensics. , 2017, , .		4
79	Conformal Chebyshev chaotic map-based remote user password authentication protocol using smart card. Complex & Intelligent Systems, 2022, 8, 973-987.	4.0	4
80	The effect of neighborhood structures on tabu search algorithm in solving university course timetabling problem. , 2014, , .		3
81	Analytic and numerical solutions for systems of fractional SchrÅdinger equation. Journal of Inequalities and Applications, 2015, 2015, .	0.5	3
82	A Feedback-based Admission Control Unit for QoS provision of video Transmission over WLANs. , 2017, , .		3
83	Segmented-Based Region Duplication Forgery Detection Using MOD Keypoints and Texture Descriptor. , 2017, , .		3
84	Texture Feature Extraction Based on Fractional Mask Convolution with CesÅro Means for Content-Based Image Retrieval. Lecture Notes in Computer Science, 2012, , 170-179.	1.0	3
85	On Generalized Fractional Differentiator Signals. Discrete Dynamics in Nature and Society, 2013, 2013, 1-7.	0.5	2
86	The Fractional Complex Step Method. Discrete Dynamics in Nature and Society, 2013, 2013, 1-8.	0.5	2
87	Training the neural networks by electromagnetism-like mechanism based algorithm. , 2014, , .		2
88	Existence of a class of fractional difference equations with two point boundary value problem. Advances in Difference Equations, 2015, 2015, .	3.5	2
89	Image Enhancement Based on Fractional Poisson for Segmentation of Skin Lesions Using the Watershed Transform. Lecture Notes in Computer Science, 2017, , 249-259.	1.0	2
90	Copy-move Image Forgery Detection Based on Gabor Descriptors and K-Means Clustering. , 2018, , .		2

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91	Compact Composite Descriptors for Content Based Image Retrieval. , 2012, , .		1
92	Fractional Hough transform-based image segmentation for mouse behavior analysis in conditional place preference test. Signal, Image and Video Processing, 2020, 14, 135-142.	1.7	1
93	Edge Based Method for Kidney Segmentation in MRI Scans. Lecture Notes in Computer Science, 2021, , 299-309.	1.0	1
94	Image retrieval system based on wavelet network. , 2012, , .		0
95	Binary Morphological Model in Refining Local Fitting Active Contour in Segmenting Weak/Missing Edges. , 2012, , .		0
96	Existence and uniqueness of a complex fractional system with delay. Open Physics, 2013, 11, .	0.8	0
97	The generalization of Plackett-Burman design based on fractional calculus of complex order. , 2014, , .		0
98	A Dynamic Scatter Search Algorithm for Solving Traveling Salesman Problem. Lecture Notes in Electrical Engineering, 2017, , 117-124.	0.3	0
99	Solution for a system of fractional heat equations of nanofluid along a wedge. Thermal Science, 2015, 19, 51-57.	0.5	0
100	On two exact solutions of time fractional heat equations using different transforms. Thermal Science, 2015, 19, 43-49.	0.5	0
101	Image Splicing Detection Using Electromagnetism-Like Based Descriptor. Lecture Notes in Networks and Systems, 2018, , 59-66.	0.5	0
102	New model for local fractional integral of Chebyshev polynomials for image denoising. , 0, , 22-28.		0