

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	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
2	Conformal Chebyshev chaotic map-based remote user password authentication protocol using smart card. Complex & Intelligent Systems, 2022, 8, 973-987.	4.0	4
3	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
4	Edge Based Method for Kidney Segmentation in MRI Scans. Lecture Notes in Computer Science, 2021, , 299-309.	1.0	1
5	Image Splicing Detection Based on Texture Features with Fractal Entropy. Computers, Materials and Continua, 2021, 69, 3903-3915.	1.5	5
6	A New Medical Image Enhancement Algorithm Based on Fractional Calculus. Computers, Materials and Continua, 2021, 68, 1467-1483.	1.5	11
7	Fractional Ré–nyi Entropy Image Enhancement for Deep Segmentation of Kidney MRI. Computers, Materials and Continua, 2021, 67, 2061-2075.	1.5	6
8	Fractional HÃ¼lder mean-based image segmentation for mouse behavior analysis in conditional place preference test. Signal, Image and Video Processing, 2020, 14, 135-142.	1.7	1
9	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
10	MRI Brain Classification Using the Quantum Entropy LBP and Deep-Learning-Based Features. Entropy, 2020, 22, 1033.	1.1	16
11	A new Fractal Series Expansion based enhancement model for license plate recognition. Signal Processing: Image Communication, 2020, 89, 115958.	1.8	11
12	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
13	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
14	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
15	Combining Deep and Handcrafted Image Features for MRI Brain Scan Classification. IEEE Access, 2019, 7, 79959-79967.	2.6	79
16	Local fractional system for economic order quantity using entropy solution. Advances in Difference Equations, 2019, 2019, .	3.5	18
17	A geometric and fractional entropy-based method for family photo classification. Expert Systems With Applications: X, 2019, 3, 100008.	4.6	4
18	New Texture Descriptor Based on Modified Fractional Entropy for Digital Image Splicing Forgery Detection. Entropy, 2019, 21, 371.	1.1	25

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19	Combination of Local Binary Pattern and Face Geometric Features for Gender Classification from Face Images. , 2019, , .		6
20	Improved Image Splicing Forgery Detection by Combination of Conformable Focus Measures and Focus Measure Operators Applied on Obtained Redundant Discrete Wavelet Transform Coefficients. Symmetry, 2019, 11, 1392.	1.1	6
21	Systematic Literature Review on Penetration Testing for Mobile Cloud Computing Applications. IEEE Access, 2019, 7, 173524-173540.	2.6	26
22	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
23	A survey on skin detection in colored images. Artificial Intelligence Review, 2019, 52, 1041-1087.	9.7	41
24	In-vivo Barrett's esophagus digital pathology stage classification through feature enhancement of confocal laser endomicroscopy. Journal of Medical Imaging, 2019, 6, 1.	0.8	9
25	Magnetic Resonance Imaging Segmentation Techniques of Brain Tumors: A Review. Archives of Neuroscience, 2019, 6, .	0.1	11
26	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
27	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
28	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
29	A Joint Evaluation of Energy-Efficient Downlink Scheduling and Partial CQI Feedback for LTE Video Transmission. Wireless Personal Communications, 2018, 98, 189-211.	1.8	6
30	Copy-move Image Forgery Detection Based on Gabor Descriptors and K-Means Clustering. , 2018, , .		2
31	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
32	A New Local Fractional Entropy-Based Model for Kidney MRI Image Enhancement. Entropy, 2018, 20, 344.	1.1	31
33	WATER-BODY SEGMENTATION IN SATELLITE IMAGERY APPLYING MODIFIED KERNEL KMEANS. Malaysian Journal of Computer Science, 2018, 31, 143-154.	0.5	8
34	Image Splicing Detection Using Electromagnetism-Like Based Descriptor. Lecture Notes in Networks and Systems, 2018, , 59-66.	0.5	0
35	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
36	A Feedback-based Admission Control Unit for QoS provision of video Transmission over WLANs. , 2017, , .		3

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37	Automatic grade classification of Barretts Esophagus through feature enhancement. , 2017, , .		4
38	Segmented-Based Region Duplication Forgery Detection Using MOD Keypoints and Texture Descriptor. , 2017, , .		3
39	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
40	A Dynamic Scatter Search Algorithm for Solving Traveling Salesman Problem. Lecture Notes in Electrical Engineering, 2017, , 117-124.	0.3	0
41	Image splicing detection using singular value decomposition. , 2017, , .		4
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	Electromagnetismlike Mechanism Descriptor with Fourier Transform for a Passive Copy-move Forgery Detection in Digital Image Forensics. , 2017, , .		4
44	Segmentation of Brain Tumors in MRI Images Using Three-Dimensional Active Contour without Edge Symmetry, 2016, 8, 132.	1.1	56
45	Cloud Entropy Management System Involving a Fractional Power. Entropy, 2016, 18, 14.	1.1	13
46	Perturbation of Fractional Multi-Agent Systems in Cloud Entropy Computing. Entropy, 2016, 18, 31.	1.1	13
47	Image Region Duplication Forgery Detection Based on Angular Radial Partitioning and Harris Key-Points. Symmetry, 2016, 8, 62.	1.1	28
48	Performance of grey level statistic features versus Gabor wavelet for screening MRI brain tumors: A comparative study. , 2016, , .		7
49	Extracting features from online software reviews to aid requirements reuse. Applied Soft Computing Journal, 2016, 49, 1297-1315.	4.1	43
50	A novel forged blurred region detection system for image forensic applications. Expert Systems With Applications, 2016, 64, 1-10.	4.4	36
51	A hybrid classification algorithm approach for breast cancer diagnosis. , 2016, , .		16
52	Entropy solution of fractional dynamic cloud computing system associated with finite boundary condition. Boundary Value Problems, 2016, 2016, .	0.3	6
53	Image denoising algorithms based on fractional sinc<i> $\hat{1}_{\pm}$ <td>0.2</td> <td>8</td>	0.2	8
54	Fractional poisson enhancement model for text detection and recognition in video frames. Pattern Recognition, 2016, 52, 433-447.	5.1	28

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55	Fractional Differential Texture Descriptors Based on the Machado Entropy for Image Splicing Detection. <i>Entropy</i> , 2015, 17, 4775-4785.	1.1	30
56	Copy move image forgery detection using Hessian and center symmetric local binary pattern. , 2015, , .		28
57	Fractional Conway Polynomials for Image Denoising with Regularized Fractional Power Parameters. <i>Journal of Mathematical Imaging and Vision</i> , 2015, 51, 442-450.	0.8	10
58	Discrete boundary value problem based on the fractional Caputo derivative. <i>Boundary Value Problems</i> , 2015, 2015, .	0.3	5
59	Existence of Ulam Stability for Iterative Fractional Differential Equations Based on Fractional Entropy. <i>Entropy</i> , 2015, 17, 3172-3181.	1.1	34
60	Analytic and numerical solutions for systems of fractional Schrödinger equation. <i>Journal of Inequalities and Applications</i> , 2015, 2015, .	0.5	3
61	A comparison study on SVD-based features in different transforms for image splicing detection. , 2015, , .		5
62	Human computer interface using hand gesture recognition based on neural network. , 2015, , .		5
63	Human computer interface using hand gesture recognition based on neural network. , 2015, , .		12
64	Existence of a class of fractional difference equations with two point boundary value problem. <i>Advances in Difference Equations</i> , 2015, 2015, .	3.5	2
65	Robust watermarking algorithm for digital images using discrete wavelet and probabilistic neural network. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2015, 27, 393-401.	2.7	39
66	Fractional Alexander polynomials for image denoising. <i>Signal Processing</i> , 2015, 107, 340-354.	2.1	47
67	Solution for a system of fractional heat equations of nanofluid along a wedge. <i>Thermal Science</i> , 2015, 19, 51-57.	0.5	0
68	On two exact solutions of time fractional heat equations using different transforms. <i>Thermal Science</i> , 2015, 19, 43-49.	0.5	0
69	A Hybrid Algorithm for Clustering of Time Series Data Based on Affinity Search Technique. <i>Scientific World Journal, The</i> , 2014, 2014, 1-12.	0.8	33
70	Improving RLRN Image Splicing Detection with the Use of PCA and Kernel PCA. <i>Scientific World Journal, The</i> , 2014, 2014, 1-10.	0.8	30
71	SVD-based image splicing detection. , 2014, , .		10
72	Regularized Fractional Power Parameters for Image Denoising Based on Convex Solution of Fractional Heat Equation. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-8.	0.3	4

#	ARTICLE	IF	CITATIONS
73	The generalization of Plackett-Burman design based on fractional calculus of complex order. , 2014, , .		0
74	Training the neural networks by electromagnetism-like mechanism based algorithm. , 2014, , .		2
75	The effect of neighborhood structures on tabu search algorithm in solving university course timetabling problem. , 2014, , .		3
76	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
77	Existence of Entropy Solutions for Nonsymmetric Fractional Systems. Entropy, 2014, 16, 4911-4922.	1.1	9
78	Automatic skin lesion segmentation with optimal colour channel from dermoscopic images. ScienceAsia, 2014, 40S, 1.	0.2	6
79	Existence and uniqueness of a complex fractional system with delay. Open Physics, 2013, 11, .	0.8	0
80	Texture Enhancement Based on the Savitzky-Golay Fractional Differential Operator. Mathematical Problems in Engineering, 2013, 2013, 1-8.	0.6	21
81	Texture Enhancement for Medical Images Based on Fractional Differential Masks. Discrete Dynamics in Nature and Society, 2013, 2013, 1-10.	0.5	22
82	Content-Based Image Retrieval Based on Electromagnetism-Like Mechanism. Mathematical Problems in Engineering, 2013, 2013, 1-10.	0.6	6
83	Time-Space Fractional Heat Equation in the Unit Disk. Abstract and Applied Analysis, 2013, 2013, 1-7.	0.3	7
84	On Generalized Fractional Differentiator Signals. Discrete Dynamics in Nature and Society, 2013, 2013, 1-7.	0.5	2
85	The Fractional Complex Step Method. Discrete Dynamics in Nature and Society, 2013, 2013, 1-8.	0.5	2
86	Hybridizing Meta-heuristics Approaches for Solving University Course Timetabling Problems. Lecture Notes in Computer Science, 2013, , 374-384.	1.0	7
87	Denoising Algorithm Based on Generalized Fractional Integral Operator with Two Parameters. Discrete Dynamics in Nature and Society, 2012, 2012, 1-14.	0.5	26
88	Numerical solution of Lane-Emden equation using neural network. , 2012, , .		4
89	Increased capacity of image based steganography using artificial neural network. , 2012, , .		9
90	Image retrieval system based on wavelet network. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
91	Compact Composite Descriptors for Content Based Image Retrieval. , 2012, , .		1
92	Binary Morphological Model in Refining Local Fitting Active Contour in Segmenting Weak/Missing Edges. , 2012, , .		0
93	Skin segmentation based on multi pixel color clustering models. , 2012, 22, 933-940.		35
94	Texture Feature Extraction Based on Fractional Mask Convolution with CesÀ¡ro Means for Content-Based Image Retrieval. Lecture Notes in Computer Science, 2012, , 170-179.	1.0	3
95	Static Hand Gesture Recognition for Human Computer Interaction. Information Technology Journal, 2012, 11, 1265-1271.	0.3	18
96	Image retrieval system based on color layout descriptor and Gabor filters. , 2011, , .		51
97	A new system for hidden data within header space for EXE-File using object oriented technique. , 2010, , .		10
98	Existence of the solution of fractional integral inclusion with time delay. Miskolc Mathematical Notes, 2010, 11, 139.	0.3	13
99	On the Capacity and Security of Steganography Approaches: An Overview. Journal of Applied Sciences, 2010, 10, 1825-1833.	0.1	60
100	An Overview on Hiding Information Technique in Images. Journal of Applied Sciences, 2010, 10, 2094-2100.	0.1	65
101	Efficient classification of COVID-19 CT scans by using q-transform model for feature extraction. PeerJ Computer Science, 0, 7, e553.	2.7	14
102	New model for local fractional integral of Chebyshev polynomials for image denoising. , 0, , 22-28.		0