

Balasubramanian Raman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11453195/publications.pdf>

Version: 2024-02-01

80
papers

2,102
citations

279701

23
h-index

254106

43
g-index

82
all docs

82
docs citations

82
times ranked

1576
citing authors

#	ARTICLE	IF	CITATIONS
1	A new robust reference watermarking scheme based on DWT-SVD. Computer Standards and Interfaces, 2009, 31, 1002-1013.	3.8	207
2	Local extrema co-occurrence pattern for color and texture image retrieval. Neurocomputing, 2015, 165, 255-269.	3.5	142
3	A blind watermarking algorithm based on fractional Fourier transform and visual cryptography. Signal Processing, 2012, 92, 1480-1491.	2.1	129
4	A chaotic system based fragile watermarking scheme for image tamper detection. AEU - International Journal of Electronics and Communications, 2011, 65, 840-847.	1.7	113
5	Discrete fractional wavelet transform and its application to multiple encryption. Information Sciences, 2013, 223, 297-316.	4.0	111
6	Local neighborhood difference pattern: A new feature descriptor for natural and texture image retrieval. Multimedia Tools and Applications, 2018, 77, 11843-11866.	2.6	99
7	Local tri-directional patterns: A new texture feature descriptor for image retrieval. , 2016, 51, 62-72.		87
8	Center symmetric local binary co-occurrence pattern for texture, face and bio-medical image retrieval. Journal of Visual Communication and Image Representation, 2015, 32, 224-236.	1.7	85
9	MIFH: A Machine Intelligence Framework for Heart Disease Diagnosis. IEEE Access, 2020, 8, 14659-14674.	2.6	81
10	Combinational domain encryption for still visual data. Multimedia Tools and Applications, 2012, 59, 775-793.	2.6	74
11	Towards effective classification of brain hemorrhagic and ischemic stroke using CNN. Biomedical Signal Processing and Control, 2021, 63, 102178.	3.5	62
12	Evaluating fusion of RGB-D and inertial sensors for multimodal human action recognition. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 189-208.	3.3	51
13	Reversible data hiding based on Shamir's secret sharing for color images over cloud. Information Sciences, 2018, 422, 77-97.	4.0	42
14	A new robust adjustable logo watermarking scheme. Computers and Security, 2012, 31, 40-58.	4.0	37
15	Robust gray-scale logo watermarking in wavelet domain. Computers and Electrical Engineering, 2012, 38, 1164-1176.	3.0	36
16	Dual Deep Learning Model for Image Based Smoke Detection. Fire Technology, 2019, 55, 2419-2442.	1.5	33
17	Fractional dual tree complex wavelet transform and its application to biometric security during communication and transmission. Future Generation Computer Systems, 2012, 28, 254-267.	4.9	31
18	A publicly verifiable lossless watermarking scheme for copyright protection and ownership assertion. AEU - International Journal of Electronics and Communications, 2012, 66, 955-962.	1.7	28

#	ARTICLE	IF	CITATIONS
19	A novel colour- and texture-based image retrieval technique using multi-resolution local extrema peak valley pattern and RGB colour histogram. Pattern Analysis and Applications, 2016, 19, 1159-1179.	3.1	28
20	Secure data deduplication using secret sharing schemes over cloud. Future Generation Computer Systems, 2018, 88, 156-167.	4.9	28
21	CGHF: A Computational Decision Support System for Glioma Classification Using Hybrid Radiomics- and Stationary Wavelet-Based Features. IEEE Access, 2020, 8, 79440-79458.	2.6	27
22	A fractional order variational model for the robust estimation of optical flow from image sequences. Optik, 2016, 127, 8710-8727.	1.4	26
23	Secure Cloud-Based Image Tampering Detection and Localization Using POB Number System. ACM Transactions on Multimedia Computing, Communications and Applications, 2017, 13, 1-23.	3.0	26
24	Blind reliable invisible watermarking method in wavelet domain for face image watermark. Multimedia Tools and Applications, 2015, 74, 6897-6935.	2.6	24
25	A multimodal biometric watermarking system for digital images in redundant discrete wavelet transform. Multimedia Tools and Applications, 2017, 76, 3871-3897.	2.6	24
26	A new robust reference logo watermarking scheme. Multimedia Tools and Applications, 2011, 52, 621-640.	2.6	23
27	A new aspect in robust digital watermarking. Multimedia Tools and Applications, 2013, 66, 179-200.	2.6	23
28	CHAOS BASED PARTIAL ENCRYPTION OF SPIHT COMPRESSED IMAGES. International Journal of Wavelets, Multiresolution and Information Processing, 2011, 09, 317-331.	0.9	22
29	A new robust watermarking scheme for color images. , 2010, , .		20
30	Multimedia Encryption: A Brief Overview. Studies in Computational Intelligence, 2009, , 417-449.	0.7	19
31	Deep Belief Network For Smoke Detection. Fire Technology, 2017, 53, 1943-1960.	1.5	19
32	Image watermarking in real oriented wavelet transform domain. Multimedia Tools and Applications, 2015, 74, 10883-10921.	2.6	16
33	An image copyright protection scheme by encrypting secret data with the host image. Multimedia Tools and Applications, 2016, 75, 1027-1042.	2.6	16
34	Visible watermarking based on importance and just noticeable distortion of image regions. Multimedia Tools and Applications, 2016, 75, 7605-7629.	2.6	16
35	Local gradient of gradient pattern: a robust image descriptor for the classification of brain strokes from computed tomography images. Pattern Analysis and Applications, 2020, 23, 797-817.	3.1	16
36	ROBUST REFERENCE-WATERMARKING SCHEME USING WAVELET PACKET TRANSFORM AND BIDIAGONAL-SINGULAR VALUE DECOMPOSITION. International Journal of Image and Graphics, 2009, 09, 449-477.	1.2	15

#	ARTICLE	IF	CITATIONS
37	Privacy-preserving human action recognition as a remote cloud service using RGB-D sensors and deep CNN. Expert Systems With Applications, 2020, 152, 113349.	4.4	15
38	DISTRIBUTED MULTIREOLUTION DISCRETE FOURIER TRANSFORM AND ITS APPLICATION TO WATERMARKING. International Journal of Wavelets, Multiresolution and Information Processing, 2010, 08, 225-241.	0.9	14
39	Chaos based cryptosystem for still visual data. Multimedia Tools and Applications, 2012, 61, 281-298.	2.6	14
40	A robust watermarking scheme exploiting balanced neural tree for rightful ownership protection. Multimedia Tools and Applications, 2014, 72, 2225-2248.	2.6	14
41	A secure image sharing scheme based on SVD and Fractional Fourier Transform. Signal Processing: Image Communication, 2017, 57, 46-59.	1.8	14
42	Image and Video Encryption based on Dual Space-Filling Curves. Computer Journal, 2012, 55, 667-685.	1.5	13
43	Chaos Based Joint Compression and Encryption Framework for End-to-End Communication Systems. Advances in Multimedia, 2014, 2014, 1-10.	0.2	13
44	A hybrid approach for the delineation of brain lesion from CT images. Biocybernetics and Biomedical Engineering, 2018, 38, 504-518.	3.3	12
45	DCT and SVD Based New Watermarking Scheme. , 2010, , .		11
46	A robust security framework for 3D images. Journal of Visualization, 2011, 14, 85-93.	1.1	10
47	A secured robust watermarking scheme based on majority voting concept for rightful ownership assertion. Multimedia Tools and Applications, 2017, 76, 21497-21517.	2.6	10
48	Binary Tree Based Linear Time Fingerprint Matching. , 2006, , .		9
49	A CHAOS-BASED ROBUST WATERMARKING ALGORITHM FOR RIGHTFUL OWNERSHIP PROTECTION. International Journal of Image and Graphics, 2011, 11, 471-493.	1.2	9
50	Just process me, without knowing me: a secure encrypted domain processing based on Shamir secret sharing and POB number system. Multimedia Tools and Applications, 2018, 77, 12581-12605.	2.6	9
51	Robust Watermarking in Multiresolution Walsh-Hadamard Transform. , 2009, , .		7
52	Biometric Template Security based on Watermarking. Procedia Computer Science, 2010, 2, 227-235.	1.2	7
53	Joint watermarking and encryption for still visual data. Multimedia Tools and Applications, 2013, 67, 593-606.	2.6	7
54	Stereo camera calibration using real coded genetic algorithm. , 2008, , .		6

#	ARTICLE	IF	CITATIONS
55	Human visual system and segment-based disparity estimation. AEU - International Journal of Electronics and Communications, 2013, 67, 372-381.	1.7	6
56	An image copyright protection system using chaotic maps. Multimedia Tools and Applications, 2017, 76, 3121-3138.	2.6	6
57	IBRDM: An Intelligent Framework for Brain Tumor Classification Using Radiomics- and DWT-based Fusion of MRI Sequences. ACM Transactions on Internet Technology, 2022, 22, 1-30.	3.0	5
58	Robust Watermarking Scheme Based on Multiresolution Fractional Fourier Transform. , 2008, , .		4
59	A Robust Watermarking Scheme using Best Tree Wavelet Packet Transform. , 2009, , .		4
60	Navigation and surveillance using night vision and image fusion. , 2011, , .		4
61	Multi-resolution Local extrema patterns using discrete wavelet transform. , 2014, , .		4
62	Brain strokes classification by extracting quantum information from CT scans. Multimedia Tools and Applications, 2023, 82, 15927-15943.	2.6	4
63	Dual Watermarking Scheme via Sub-Sampling in WPT-SVD Domain. , 2008, , .		3
64	IMAGE DISPARITY ESTIMATION BASED ON FRACTIONAL DUAL-TREE COMPLEX WAVELET TRANSFORM: A MULTI-SCALE APPROACH. International Journal of Wavelets, Multiresolution and Information Processing, 2013, 11, 1350004.	0.9	3
65	Wavelet Based Directional Local Extrema Patterns for Image Retrieval on Large Image Database. , 2015, , .		3
66	Three-stream spatio-temporal attention network for first-person action and interaction recognition. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 1137-1152.	3.3	3
67	Neuro-Calibration of a Camera Using Particle Swarm Optimization. , 2009, , .		2
68	WAVELET ANALYSIS OF SURFACE MORPHOLOGIES OF MAGNETRON SPUTTERED Al-Cu THIN FILMS. International Journal of Wavelets, Multiresolution and Information Processing, 2009, 07, 59-74.	0.9	2
69	Robust Watermarking Using Distributed MR-DCT and SVD. , 2009, , .		2
70	Watermarking schemes to secure the face database and test images in a biometric system. , 2013, , .		2
71	Region of Interest based robust watermarking scheme exploiting the homogeneity analysis. , 2016, , .		2
72	GRGE: Detection of Gliomas Using Radiomics, GA Features and Extremely Randomized Trees. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
73	Reconstruction of Polyhedral Objects by Correction of Images and Using Shape from Shading Approach. , 2008, , .		1
74	Analysis of Comparators for Binary Watermarks. Advances in Intelligent Systems and Computing, 2017, , 399-410.	0.5	1
75	Computing the curve-skeletons of images. International Journal of Computer Mathematics, 2008, 85, 253-270.	1.0	0
76	Human Visual System and Wavelet Transform Based Disparity Estimation. , 2011, , .		0
77	Disparity estimation using fractional dual tree complex wavelet transform. , 2011, , .		0
78	Study of finite word-length effect on the performance of watermarking methods. International Journal of Computational Vision and Robotics, 2015, 5, 112.	0.2	0
79	Object tracking using joint histogram of color and local rhombus pattern. , 2015, , .		0
80	Distributed Multiresolution Transform Based Framework for Watermarking. Advances in IT Standards and Standardization Research Series, 0, , 1-29.	0.2	0