

Gaurav Bhatnagar

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

2,290
citations

304602

22
h-index

243529

44
g-index

92
all docs

92
docs citations

92
times ranked

1897
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Robust Reference Image Hashing System. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 2211-2225.	3.7	13
2	A Novel Security Framework for Medical Data in IoT Ecosystems. IEEE MultiMedia, 2022, 29, 34-44.	1.5	2
3	GRIHA: synthesizing 2-dimensional building layouts from images captured using a smart phone. Multimedia Tools and Applications, 2022, 81, 14589-14612.	2.6	2
4	The partition-frequency enumeration matrix. Ramanujan Journal, 2022, 59, 51-86.	0.4	1
5	A Blend of Analytical and Numerical Methods to Compute Orthogonal Image Moments over a Unit Disk. Wireless Communications and Mobile Computing, 2022, 2022, 1-15.	0.8	2
6	Edge Based Robust and Secure Perceptual Hashing Framework. Communications in Computer and Information Science, 2021, , 490-500.	0.4	1
7	Knowledge-driven description synthesis for floor plan interpretation. International Journal on Document Analysis and Recognition, 2021, 24, 19.	2.7	5
8	Mathematical formation and analysis of COVID-19 pool tests strategies. Epidemiologic Methods, 2021, 10, .	0.8	1
9	A robust blind watermarking framework based on Dn structure. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1869-1887.	3.3	7
10	LayART: Generating indoor layout using ARCore Transformations. , 2020, , .		2
11	A Reference Based Secure and Robust Zero Watermarking System. Advances in Intelligent Systems and Computing, 2020, , 325-337.	0.5	1
12	A Watermarking Scheme for Protection. Advances in Intelligent Systems and Computing, 2020, , 431-443.	0.5	2
13	A Novel Biometric Inspired Robust Security Framework For Medical Images. IEEE Transactions on Knowledge and Data Engineering, 2019, , 1-1.	4.0	8
14	A simplified watermarking algorithm based on lifting wavelet transform. Multimedia Tools and Applications, 2019, 78, 20765-20786.	2.6	9
15	BRIDGE: Building Plan Repository for Image Description Generation, and Evaluation. , 2019, , .		9
16	SUGAMAN: describing floor plans for visually impaired by annotation learning and proximity-based grammar. IET Image Processing, 2019, 13, 2623-2635.	1.4	10
17	A fractal dimension based framework for night vision fusion. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 220-227.	8.5	9
18	A Novel Watermarking Technique for Multimedia Security. , 2019, , 89-118.		0

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19	A new robust watermarking system in integer DCT domain. Journal of Visual Communication and Image Representation, 2018, 53, 86-101.	1.7	75
20	Fusing synergistic information from multi-sensor images: An overview from implementation to performance assessment. Information Fusion, 2018, 42, 127-145.	11.7	35
21	ASYSST. , 2018, , .		2
22	Plan2Text: A framework for describing building floor plan images from first person perspective. , 2018, , .		6
23	A robust watermarking scheme based on image normalization. , 2018, , .		6
24	A secure image encryption algorithm based on polar decomposition. , 2018, , .		6
25	A Chaos Based Robust and Secure Image Hashing Framework. , 2018, , .		2
26	A Novel Chaos Based Robust Watermarking Framework. Advances in Intelligent Systems and Computing, 2017, , 439-447.	0.5	5
27	A robust image hashing based on discrete wavelet transform. , 2017, , .		14
28	Robust covert communication using high capacity watermarking. Multimedia Tools and Applications, 2017, 76, 3783-3807.	2.6	4
29	Multi-Sensor Fusion Based on Local Activity Measure. IEEE Sensors Journal, 2017, 17, 7487-7496.	2.4	6
30	Image thresholding based on local activity feature matrix. Optik, 2016, 127, 9037-9045.	1.4	8
31	How to discover the Rogers-Ramanujan identities. Resonance, 2015, 20, 416-430.	0.2	3
32	A novel image fusion framework for night-vision navigation and surveillance. Signal, Image and Video Processing, 2015, 9, 165-175.	1.7	32
33	A new contrast based multimodal medical image fusion framework. Neurocomputing, 2015, 157, 143-152.	3.5	145
34	A new robust and efficient multiple watermarking scheme. Multimedia Tools and Applications, 2015, 74, 8421-8444.	2.6	20
35	A novel chaos-based secure transmission of biometric data. Neurocomputing, 2015, 147, 444-455.	3.5	23
36	Enhancing the transmission security of biometric images using chaotic encryption. Multimedia Systems, 2014, 20, 203-214.	3.0	18

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37	The impact of lithologic heterogeneity and focused fluid flow upon gas hydrate distribution in marine sediments. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 6705-6732.	1.4	46
38	Biometric Inspired Multimedia Encryption Based on Dual Parameter Fractional Fourier Transform. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2014, 44, 1234-1247.	5.9	19
39	Robust logo watermarking using biometrics inspired key generation. <i>Expert Systems With Applications</i> , 2014, 41, 4563-4578.	4.4	14
40	Analysis and extension of multiresolution singular value decomposition. <i>Information Sciences</i> , 2014, 277, 247-262.	4.0	17
41	Joint watermarking and encryption for still visual data. <i>Multimedia Tools and Applications</i> , 2013, 67, 593-606.	2.6	7
42	Directive Contrast Based Multimodal Medical Image Fusion in NSCT Domain. <i>IEEE Transactions on Multimedia</i> , 2013, 15, 1014-1024.	5.2	361
43	A new logo watermarking based on redundant fractional wavelet transform. <i>Mathematical and Computer Modelling</i> , 2013, 58, 204-218.	2.0	15
44	Human visual system inspired multi-modal medical image fusion framework. <i>Expert Systems With Applications</i> , 2013, 40, 1708-1720.	4.4	105
45	Discrete fractional wavelet transform and its application to multiple encryption. <i>Information Sciences</i> , 2013, 223, 297-316.	4.0	111
46	Mutual spectral residual approach for multifocus image fusion. , 2013, 23, 1121-1135.		45
47	A new aspect in robust digital watermarking. <i>Multimedia Tools and Applications</i> , 2013, 66, 179-200.	2.6	23
48	Biometrics inspired watermarking based on a fractional dual tree complex wavelet transform. <i>Future Generation Computer Systems</i> , 2013, 29, 182-195.	4.9	61
49	Secure randomized image watermarking based on singular value decomposition. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2013, 10, 1-21.	3.0	16
50	Image and Video Encryption based on Dual Space-Filling Curves. <i>Computer Journal</i> , 2012, 55, 667-685.	1.5	13
51	AN IMAGE FUSION FRAMEWORK BASED ON HUMAN VISUAL SYSTEM IN FRAMELET DOMAIN. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2012, 10, 1250002.	0.9	24
52	ANovel Chaotic Encryption Framework for Securing Palmprint Data. <i>Procedia Computer Science</i> , 2012, 10, 442-449.	1.2	7
53	SVD Filter Based Multiscale Approach for Image Quality Assessment. , 2012, , .		7
54	Robust gray-scale logo watermarking in wavelet domain. <i>Computers and Electrical Engineering</i> , 2012, 38, 1164-1176.	3.0	36

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55	Wavelet packet transform-based robust video watermarking technique. Sadhana - Academy Proceedings in Engineering Sciences, 2012, 37, 371-388.	0.8	13
56	A new facet in robust digital watermarking framework. AEU - International Journal of Electronics and Communications, 2012, 66, 275-285.	1.7	22
57	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
58	A new robust adjustable logo watermarking scheme. Computers and Security, 2012, 31, 40-58.	4.0	37
59	Selective image encryption based on pixels of interest and singular value decomposition. , 2012, 22, 648-663.		83
60	A New Fractional Random Wavelet Transform for Fingerprint Security. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 262-275.	3.4	40
61	Chaos-Based Security Solution for Fingerprint Data During Communication and Transmission. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 876-887.	2.4	63
62	Security of Stereo Images During Communication and Transmission. Advanced Science Letters, 2012, 6, 173-179.	0.2	4
63	Navigation and surveillance using night vision and image fusion. , 2011, , .		4
64	Human Visual System Based Framework for Concealed Weapon Detection. , 2011, , .		6
65	Analytical theory relating the depth of the sulfateâ€methane transition to gas hydrate distribution and saturation. Geochemistry, Geophysics, Geosystems, 2011, 12, .	1.0	25
66	Pore water sulfate, alkalinity, and carbon isotope profiles in shallow sediment above marine gas hydrate systems: A numerical modeling perspective. Journal of Geophysical Research, 2011, 116, .	3.3	83
67	A new robust reference logo watermarking scheme. Multimedia Tools and Applications, 2011, 52, 621-640.	2.6	23
68	A robust security framework for 3D images. Journal of Visualization, 2011, 14, 85-93.	1.1	10
69	A new robust reference watermarking framework in Gyrator domain. , 2011, , .		1
70	Abundant Early Palaeogene marine gas hydrates despite warm deep-ocean temperatures. Nature Geoscience, 2011, 4, 848-851.	5.4	40
71	Biometric Template Security based on Watermarking. Procedia Computer Science, 2010, 2, 227-235.	1.2	7
72	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

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73	Real Time Human Visual System Based Framework for Image Fusion. Lecture Notes in Computer Science, 2010, , 71-78.	1.0	9
74	DCT and SVD Based New Watermarking Scheme. , 2010, , .		11
75	Performance Evaluation of Multiresolution Methods in Disparity Estimation. Lecture Notes in Computer Science, 2010, , 496-504.	1.0	1
76	A New SVD Based Watermarking Framework in Fractional Fourier Domain. Communications in Computer and Information Science, 2010, , 107-118.	0.4	4
77	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
78	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
79	A new robust reference watermarking scheme based on DWT-SVD. Computer Standards and Interfaces, 2009, 31, 1002-1013.	3.8	207
80	Robust Watermarking Using Distributed MR-DCT and SVD. , 2009, , .		2
81	Stereo image coding via digital watermarking. Journal of Electronic Imaging, 2009, 18, 033012.	0.5	9
82	Encryption Based Robust Watermarking in Fractional Wavelet Domain. Studies in Computational Intelligence, 2009, , 375-416.	0.7	10
83	A Robust Watermarking Scheme using Best Tree Wavelet Packet Transform. , 2009, , .		4
84	Robust Watermarking in Multiresolution Walsh-Hadamard Transform. , 2009, , .		7
85	A New Image Fusion Technique Based on Directive Contrast. Electronic Letters on Computer Vision and Image Analysis, 2009, 8, 18.	0.5	17
86	Sulfateâ€methane transition as a proxy for average methane hydrate saturation in marine sediments. Geophysical Research Letters, 2008, 35, .	1.5	45
87	Dual Watermarking Scheme via Sub-Sampling in WPT-SVD Domain. , 2008, , .		3
88	Robust Watermarking Scheme Based on Multiresolution Fractional Fourier Transform. , 2008, , .		4
89	Distributed Multiresolution Transform Based Framework for Watermarking. Advances in IT Standards and Standardization Research Series, 0, , 1-29.	0.2	0