

Mohammed El Hassouni

List of Publications by Year in descending order

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101
papers

902
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103
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103
docs citations

103
times ranked

627
citing authors

#	ARTICLE	IF	CITATIONS
1	The Geodesic Distance on the Generalized Gamma Manifold for Texture Image Retrieval. Journal of Mathematical Imaging and Vision, 2022, 64, 243-260.	0.8	1
2	Accurate photovoltaic power prediction models based on deep convolutional neural networks and gated recurrent units. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 6303-6320.	1.2	4
3	Learning Graph Convolutional Network for Blind Mesh Visual Quality Assessment. IEEE Access, 2021, 9, 108200-108211.	2.6	5
4	Extracting modular-based backbones in weighted networks. Information Sciences, 2021, 576, 454-474.	4.0	9
5	A Hybrid Robust Image Watermarking Method Based on DWT-DCT and SIFT for Copyright Protection. Journal of Imaging, 2021, 7, 218.	1.7	6
6	No-Reference Mesh Visual Quality Assessment Using Graph-Based Deep Learning. , 2021, , .		0
7	3D visual saliency and convolutional neural network for blind mesh quality assessment. Neural Computing and Applications, 2020, 32, 16589-16603.	3.2	13
8	No-reference mesh visual quality assessment via ensemble of convolutional neural networks and compact multi-linear pooling. Pattern Recognition, 2020, 100, 107174.	5.1	32
9	Combination Of Handcrafted And Deep Learning-Based Features For 3d Mesh Quality Assessment. , 2020, , .		1
10	Extracting backbones in weighted modular complex networks. Scientific Reports, 2020, 10, 15539.	1.6	14
11	Multivariate copula statistical model and weighted sparse classification for radar image target recognition. Computers and Electrical Engineering, 2020, 84, 106633.	3.0	5
12	Discriminative Regularized Auto-Encoder for Early Detection of Knee OsteoArthritis: Data from the Osteoarthritis Initiative. IEEE Transactions on Medical Imaging, 2020, 39, 2976-2984.	5.4	29
13	Immunization of networks with non-overlapping community structure. Social Network Analysis and Mining, 2019, 9, 1.	1.9	42
14	Centrality in Complex Networks with Overlapping Community Structure. Scientific Reports, 2019, 9, 10133.	1.6	66
15	A Finite Mixture of Weibull-Based Statistical Model for Texture Retrieval in the Complex Wavelet Domain. IEEE Access, 2019, 7, 130144-130155.	2.6	2
16	Guest Editorial: Advances in Computational Intelligence for Multimodal Biomedical Imaging. Multimedia Tools and Applications, 2019, 78, 12639-12645.	2.6	0
17	A Robust Blind 3-D Mesh Watermarking Technique Based on SCS Quantization and Mesh Saliency for Copyright Protection. Lecture Notes in Computer Science, 2019, , 211-228.	1.0	0
18	A general framework for complex network-based image segmentation. Multimedia Tools and Applications, 2019, 78, 20191-20216.	2.6	14

#	ARTICLE	IF	CITATIONS
19	Blind Robust 3D Mesh Watermarking Based on Mesh Saliency and Wavelet Transform for Copyright Protection. Information (Switzerland), 2019, 10, 67.	1.7	27
20	Full Reference Mesh Visual Quality Assessment Using Pre-Trained Deep Network and Quality Indices. , 2019, , .		0
21	Mesh Visual Quality based on the combination of convolutional neural networks. , 2019, , .		0
22	Movienet: a movie multilayer network model using visual and textual semantic cues. Applied Network Science, 2019, 4, .	0.8	7
23	Evaluation of fractional Brownian motion synthesis methods using the SVM classifier. Biomedical Signal Processing and Control, 2019, 49, 48-56.	3.5	5
24	Blind Robust 3-D Mesh Watermarking Based on Mesh Saliency and QIM Quantization for Copyright Protection. Lecture Notes in Computer Science, 2019, , 170-181.	1.0	2
25	How to Optimize the Utilization of Image Quality Metrics in Computer Vision?. , 2018, , .		1
26	Hybrid blind robust image watermarking technique based on DFT-DCT and Arnold transform. Multimedia Tools and Applications, 2018, 77, 27181-27214.	2.6	66
27	Blind 3D mesh visual quality assessment using support vector regression. Multimedia Tools and Applications, 2018, 77, 24365-24386.	2.6	12
28	A novel statistical model for content-based stereo image retrieval in the complex wavelet domain. Journal of Visual Communication and Image Representation, 2018, 50, 27-39.	1.7	12
29	A new weighted normal-based filter for 3D mesh denoising. , 2018, , .		0
30	k-Truss Decomposition for Modular Centrality. , 2018, , .		7
31	Analysis of under-connectivity in Autism using the minimum spanning tree: application on large multi-site dataset. , 2018, , .		4
32	Reduced Reference Mesh Visual Quality Assessment Based on Convolutional Neural Network. , 2018, , .		1
33	Blind Stereoscopic Image Quality Assessment Using Convolutional Neural Networks and Support Vector Regression. , 2018, , .		2
34	Betweenness Centrality for Networks with Non-Overlapping Community Structure. , 2018, , .		13
35	Aircraft Target Recognition Using Copula Joint Statistical Model and Sparse Representation Based Classification. , 2018, , .		1
36	Convolutional Neural Network for Blind Mesh Visual Quality Assessment Using 3D Visual Saliency. , 2018, , .		14

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37	Transmission Energy Analysis And Modeling Of A Video Sensor Node In The Context Of Next Generation WWSN. , 2018, , .		0
38	A blind mesh visual quality assessment method based on convolutional neural network. IS&T International Symposium on Electronic Imaging, 2018, 2018, 423-1-423-5.	0.3	6
39	Target recognition in ISAR images based on relative phases of complex wavelet coefficients and sparse classification. , 2018, , .		4
40	Radar Target Recognition Using Salient Keypoint Descriptors and Multitask Sparse Representation. Remote Sensing, 2018, 10, 843.	1.8	21
41	Color texture characterization based on the extended relative phase in the complex wavelets domain. , 2018, , .		0
42	Study of the relative magnitude in the wavelet domain for texture characterization. Signal, Image and Video Processing, 2018, 12, 1403-1410.	1.7	2
43	Special Section Guest Editorial: Perceptually Driven Visual Information Analysis. Journal of Electronic Imaging, 2017, 25, 061601.	0.5	0
44	An Image Segmentation Algorithm based on Community Detection. Studies in Computational Intelligence, 2017, , 821-830.	0.7	7
45	Anisotropic Discrete Dual-Tree Wavelet Transform for Improved Classification of Trabecular Bone. IEEE Transactions on Medical Imaging, 2017, 36, 2077-2086.	5.4	25
46	Diagnosis of osteoporosis disease from bone X-ray images with stacked sparse autoencoder and SVM classifier. , 2017, , .		13
47	Image Segmentation by Deep Community Detection Approach. Lecture Notes in Computer Science, 2017, , 607-618.	1.0	1
48	Trabecular bone characterization using circular parametric models. Biomedical Signal Processing and Control, 2017, 33, 411-421.	3.5	19
49	Fractional Brownian Motion and Rao Geodesic Distance for Bone X-Ray Image Characterization. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1347-1359.	3.9	16
50	A graph based approach for color texture classification in HSV color space. , 2017, , .		2
51	A novel method for image categorization based on histogram oriented gradient and support vector machine. , 2017, , .		7
52	Target Recognition in Radar Images Using Weighted Statistical Dictionary-Based Sparse Representation. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 2403-2407.	1.4	39
53	Osteoporosis diagnosis using frequency separation and fractional Brownian motion. , 2017, , .		1
54	Saliency attention and sift keypoints combination for automatic target recognition on MSTAR dataset. , 2017, , .		5

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55	A convolutional neural network framework for blind mesh visual quality assessment. , 2017, , .		16
56	Mesh Visual Quality Assessment Metrics: A Comparison Study. , 2017, , .		2
57	Fully anisotropic morlet transform for the study of the trabecular bone texture variations. , 2017, , .		1
58	A Curvature Based Method for Blind Mesh Visual Quality Assessment Using a General Regression Neural Network. , 2016, , .		16
59	Study of magnitude and extended relative phase information for color texture retrieval in $L^*a^*b^*$ color space. , 2016, , .		2
60	Visual salient sift keypoints descriptors for automatic target recognition. , 2016, , .		2
61	No-Reference 3D Mesh Quality Assessment Based on Dihedral Angles Model and Support Vector Regression. Lecture Notes in Computer Science, 2016, , 369-377.	1.0	22
62	A non-Gaussian statistical modeling of SIFT and DT-CWT for radar target recognition. , 2016, , .		3
63	Texture classification using relative phase and Gaussian mixture models in the complex wavelet domain. , 2016, , .		1
64	Texture retrieval using mixtures of generalized Gaussian distribution and Cauchyâ€“Schwarz divergence in wavelet domain. Signal Processing: Image Communication, 2016, 42, 45-58.	1.8	17
65	Sonar image segmentation based on statistical modeling of wavelet subbands. , 2015, , .		2
66	A new image segmentation approach using community detection algorithms. , 2015, , .		8
67	New models of visual saliency: Contourlet transform based model and hybrid model. , 2015, , .		1
68	Comparative study between different bases of transformation for compressive sensing of images. , 2015, , .		2
69	Reduced Reference 3D Mesh Quality Assessment Based on Statistical Models. , 2015, , .		13
70	Osteoporosis diagnosis using steerable pyramid decomposition and fractional Brownian motion. , 2015, , .		2
71	Generic multivariate model for color texture classification in RGB color space. International Journal of Multimedia Information Retrieval, 2015, 4, 217-231.	3.6	3
72	A statistical reduced-reference method for color image quality assessment. Multimedia Tools and Applications, 2015, 74, 8685-8701.	2.6	11

#	ARTICLE	IF	CITATIONS
73	Hierarchical MRI segmentation of the musculoskeletal system using texture analysis and topological constraints. , 2014, , .		0
74	On Selection and Combination of Relevant Color Components for Edge Detection. Procedia Technology, 2014, 17, 764-771.	1.1	2
75	Rotation-Invariant texture retrieval using a steerable Gaussian copula model. , 2014, , .		0
76	On Color Image Quality Assessment Using Natural Image Statistics. , 2014, , .		1
77	Texture Retrieval Using Cauchy-Schwarz Divergence and Generalized Gaussian Mixtures. Lecture Notes in Computer Science, 2014, , 107-116.	1.0	1
78	Tetrolet-based reduced reference image quality assessment approach. , 2014, , .		0
79	Osteoporosis Diagnosis Using Fractal Analysis and Support Vector Machine. , 2014, , .		17
80	Reduced reference image quality assessment based on statistics in empirical mode decomposition domain. Signal, Image and Video Processing, 2014, 8, 1663-1680.	1.7	9
81	Color texture classification method based on a statistical multi-model and geodesic distance. Journal of Visual Communication and Image Representation, 2014, 25, 1717-1725.	1.7	18
82	Color Image Quality Assessment Measure Using Multivariate Generalized Gaussian Distribution. , 2013, , .		5
83	A New Image Distortion Measure Based on Natural Scene Statistics Modeling. , 2013, , 616-630.		0
84	Texture Analysis for Trabecular Bone X-Ray Images Using Anisotropic Morlet Wavelet and RÃ©nyi Entropy. Lecture Notes in Computer Science, 2012, , 290-297.	1.0	7
85	Texture analysis using dual tree M-band and Rényi entropy. Application to osteoporosis diagnosis on bone radiographs. , 2012, , .		4
86	A New Image Distortion Measure Based on Natural Scene Statistics Modeling. International Journal of Computer Vision and Image Processing, 2012, 2, 1-15.	0.3	0
87	Image Quality Assessment Measure Based on Natural Image Statistics in the Tetrolet Domain. Lecture Notes in Computer Science, 2012, , 451-458.	1.0	2
88	3d mesh denoising using normal based myriad filter. , 2011, , .		2
89	Local appearance based face recognition method using block based steerable pyramid transform. Signal Processing, 2011, 91, 38-50.	2.1	38
90	Image Quality Assessment Based on Intrinsic Mode Function Coefficients Modeling. Communications in Computer and Information Science, 2011, , 131-145.	0.4	9

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91	Color Texture Classification Using Rao Distance between Multivariate Copula Based Models. Lecture Notes in Computer Science, 2011, , 498-505.	1.0	5
92	Texture classification based on the Generalized Gamma distribution and the Dual Tree Complex Wavelet Transform. , 2010, , .		8
93	A reduced reference approach based on bidimensional empirical mode decomposition for image quality assessment. , 2010, , .		2
94	Novel face recognition approach based on steerable pyramid feature extraction. , 2009, , .		5
95	Face Recognition Using Enhanced Fisher Linear Discriminant. , 2009, , .		1
96	Block based curvelet feature extraction for face recognition. , 2009, , .		9
97	Curvelet-based feature extraction with B-LDA for face recognition. , 2009, , .		8
98	HOS-based image sequence noise removal. IEEE Transactions on Image Processing, 2006, 15, 572-581.	6.0	31
99	Alpha-Stable Noise Reduction in Video Sequences. Lecture Notes in Computer Science, 2004, , 580-587.	1.0	1
100	A 2-D adaptive least l_p -norm filter for impulsive noise cancellation in still images. , 2003, , .		1
101	HOS-based filtering scheme for stereo image compression. , 0, , .		0