Mohammed El Hassouni

List of Publications by Year
in descending order

101 papers	902 citations	566801 15 h-index	580395 25 g-index
103 all docs	103 docs citations	103 times ranked	627 citing authors

#	Article	IF	Citations
1	Hybrid blind robust image watermarking technique based on DFT-DCT and Arnold transform. Multimedia Tools and Applications, 2018, 77, 27181-27214.	2.6	66
2	Centrality in Complex Networks with Overlapping Community Structure. Scientific Reports, 2019, 9, 10133.	1.6	66
3	Immunization of networks with non-overlapping community structure. Social Network Analysis and Mining, 2019, 9, 1.	1.9	42
4	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
5	Local appearance based face recognition method using block based steerable pyramid transform. Signal Processing, 2011, 91, 38-50.	2.1	38
6	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
7	HOS-based image sequence noise removal. IEEE Transactions on Image Processing, 2006, 15, 572-581.	6.0	31
8	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
9	Blind Robust 3D Mesh Watermarking Based on Mesh Saliency and Wavelet Transform for Copyright Protection. Information (Switzerland), 2019, 10, 67.	1.7	27
10	Anisotropic Discrete Dual-Tree Wavelet Transform for Improved Classification of Trabecular Bone. IEEE Transactions on Medical Imaging, 2017, 36, 2077-2086.	5.4	25
11	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
12	Radar Target Recognition Using Salient Keypoint Descriptors and Multitask Sparse Representation. Remote Sensing, 2018, 10, 843.	1.8	21
13	Trabecular bone characterization using circular parametric models. Biomedical Signal Processing and Control, 2017, 33, 411-421.	3.5	19
14	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
15	Osteoporosis Diagnosis Using Fractal Analysis and Support Vector Machine. , 2014, , .		17
16	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
17	A Curvature Based Method for Blind Mesh Visual Quality Assessment Using a General Regression Neural Network. , 2016, , .		16
18	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

#	Article	IF	Citations
19	A convolutional neural network framework for blind mesh visual quality assessment. , 2017, , .		16
20	Convolutional Neural Network for Blind Mesh Visual Quality Assessment Using 3D Visual Saliency. , 2018, , .		14
21	A general framework for complex network-based image segmentation. Multimedia Tools and Applications, 2019, 78, 20191-20216.	2.6	14
22	Extracting backbones in weighted modular complex networks. Scientific Reports, 2020, 10, 15539.	1.6	14
23	Reduced Reference 3D Mesh Quality Assessment Based on Statistical Models. , 2015, , .		13
24	Diagnosis of osteoporosis disease from bone X-ray images with stacked sparse autoencoder and SVM classifier. , 2017, , .		13
25	Betweenness Centrality for Networks with Non-Overlapping Community Structure. , 2018, , .		13
26	3D visual saliency and convolutional neural network for blind mesh quality assessment. Neural Computing and Applications, 2020, 32, 16589-16603.	3.2	13
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 statistical reduced-reference method for color image quality assessment. Multimedia Tools and Applications, 2015, 74, 8685-8701.	2.6	11
30	Block based curvelet feature extraction for face recognition. , 2009, , .		9
31	Image Quality Assessment Based on Intrinsic Mode Function Coefficients Modeling. Communications in Computer and Information Science, 2011, , 131-145.	0.4	9
32	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
33	Extracting modular-based backbones in weighted networks. Information Sciences, 2021, 576, 454-474.	4.0	9
34	Curvelet-based feature extraction with B-LDA for face recognition. , 2009, , .		8
35	Texture classification based on the Generalized Gamma distribution and the Dual Tree Complex Wavelet Transform. , 2010, , .		8
36	A new image segmentation approach using community detection algorithms. , 2015, , .		8

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37	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
38	An Image Segmentation Algorithm based on Community Detection. Studies in Computational Intelligence, 2017, , 821-830.	0.7	7
39	A novel method for image categorization based on histogram oriented gradient and support vector machine. , 2017, , .		7
40	k-Truss Decomposition for Modular Centrality. , 2018, , .		7
41	Movienet: a movie multilayer network model using visual and textual semantic cues. Applied Network Science, 2019, 4, .	0.8	7
42	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
43	A Hybrid Robust Image Watermarking Method Based on DWT-DCT and SIFT for Copyright Protection. Journal of Imaging, 2021, 7, 218.	1.7	6
44	Novel face recognition approach based on steerable pyramid feature extraction. , 2009, , .		5
45	Color Image Quality Assessment Measure Using Multivariate Generalized Gaussian Distribution. , 2013, , .		5
46	Saliency attention and sift keypoints combination for automatic target recognition on MSTAR dataset. , 2017, , .		5
47	Evaluation of fractional Brownian motion synthesis methods using the SVM classifier. Biomedical Signal Processing and Control, 2019, 49, 48-56.	3.5	5
48	Multivariate copula statistical model and weighted sparse classification for radar image target recognition. Computers and Electrical Engineering, 2020, 84, 106633.	3.0	5
49	Learning Graph Convolutional Network for Blind Mesh Visual Quality Assessment. IEEE Access, 2021, 9, 108200-108211.	2.6	5
50	Color Texture Classification Using Rao Distance between Multivariate Copula Based Models. Lecture Notes in Computer Science, 2011, , 498-505.	1.0	5
51	Texture analysis using dual tree M-band and Rényi entropy. Application to osteoporosis diagnosis on bone radiographs. , 2012, , .		4
52	Analysis of under-connectivity in Autism using the minimum spanning tree: application on large multi-site dataset. , 2018, , .		4
53	Target recognition in ISAR images based on relative phases of complex wavelet coefficients and sparse classification. , 2018, , .		4
54	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

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55	Generic multivariate model for color texture classification in RGB color space. International Journal of Multimedia Information Retrieval, 2015, 4, 217-231.	3.6	3
56	A non-Gaussian statistical modeling of SIFT and DT-CWT for radar target recognition. , 2016, , .		3
57	A reduced reference approach based on bidimensional empirical mode decomposition for image quality assessment. , 2010, , .		2
58	3d mesh denoising using normal based myriad filter. , 2011, , .		2
59	On Selection and Combination of Relevant Color Components for Edge Detection. Procedia Technology, 2014, 17, 764-771.	1.1	2
60	Sonar image segmentation based on statistical modeling of wavelet subbands. , 2015, , .		2
61	Comparative study between different bases of transformation for compressive sensing of images. , 2015, , .		2
62	Osteoporosis diagnosis using steerable pyramid decomposition and fractional Brownian motion. , 2015, , .		2
63	Study of magnitude and extended relative phase information for color texture retrieval in L*a*b* color space. , 2016, , .		2
64	Visual salient sift keypoints descriptors for automatic target recognition. , 2016, , .		2
65	A graph based approach for color texture classification in HSV color space. , 2017, , .		2
66	Mesh Visual Quality Assessment Metrics: A Comparison Study. , 2017, , .		2
67	Blind Stereoscopic Image Quality Assessment Using Convolutional Neural Networks and Support Vector Regression. , 2018, , .		2
68	Study of the relative magnitude in the wavelet domain for texture characterization. Signal, Image and Video Processing, 2018, 12, 1403-1410.	1.7	2
69	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
70	Image Quality Assessment Measure Based on Natural Image Statistics in the Tetrolet Domain. Lecture Notes in Computer Science, 2012, , 451-458.	1.0	2
71	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
72	A 2-D adaptive least l/sub p/-norm filter for impulsive noise cancellation in still images. , 2003, , .		1

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73	Alpha-Stable Noise Reduction in Video Sequences. Lecture Notes in Computer Science, 2004, , 580-587.	1.0	1
74	Face Recognition Using Enhanced Fisher Linear Discriminant. , 2009, , .		1
75	On Color Image Quality Assessment Using Natural Image Statistics. , 2014, , .		1
76	Texture Retrieval Using Cauchy-Schwarz Divergence and Generalized Gaussian Mixtures. Lecture Notes in Computer Science, 2014, , 107-116.	1.0	1
77	New models of visual saliency: Contourlet transform based model and hybrid model. , 2015, , .		1
78	Texture classification using relative phase and Gaussian mixture models in the complex wavelet domain. , 2016, , .		1
79	Image Segmentation by Deep Community Detection Approach. Lecture Notes in Computer Science, 2017, , 607-618.	1.0	1
80	Osteoporosis diagnosis using frequency separation and fractional Brownian motion. , 2017, , .		1
81	How to Optimize the Utilization of Image Quality Metrics in Computer Vision?. , 2018, , .		1
82	Reduced Reference Mesh Visual Quality Assessment Based on Convolutional Neural Network. , 2018, , .		1
83	Aircraft Target Recognition Using Copula Joint Statistical Model and Sparse Representation Based Classification. , 2018, , .		1
84	Combination Of Handcrafted And Deep Learning-Based Features For 3d Mesh Quality Assessment. , 2020, , .		1
85	Fully anisotropic morlet transform for the study of the trabecular bone texture variations. , 2017, , .		1
86	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
87	HOS-based filtering scheme for stereo image compression. , 0, , .		0
88	Hierarchical MRI segmentation of the musculoskeletal system using texture analysis and topologigcal constraints. , 2014, , .		0
89	Rotation-Invariant texture retrieval using a steerable Gaussian copula model. , 2014, , .		0
90	Tetrolet-based reduced reference image quality assessment approach. , 2014, , .		0

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91	Special Section Guest Editorial: Perceptually Driven Visual Information Analysis. Journal of Electronic Imaging, 2017, 25, 061601.	0.5	0
92	A new weighted normal-based filter for 3D mesh denoising. , 2018, , .		0
93	Transmission Energy Analysis And Modeling Of A Video Sensor Node In The Context Of Next Generation WVSN. , 2018, , .		0
94	Color texture characterization based on the extended relative phase in the complex wavelets domain. , 2018, , .		0
95	Guest Editorial: Advances in Computational Intelligence for Multimodal Biomedical Imaging. Multimedia Tools and Applications, 2019, 78, 12639-12645.	2.6	0
96	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
97	Full Reference Mesh Visual Quality Assessment Using Pre-Trained Deep Network and Quality Indices. , 2019, , .		0
98	Mesh Visual Quality based on the combination of convolutional neural networks. , 2019, , .		0
99	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
100	A New Image Distortion Measure Based on Natural Scene Statistics Modeling. , 2013, , 616-630.		0
101	No-Reference Mesh Visual Quality Assessment Using Graph-Based Deep Learning. , 2021, , .		0