Ezzeddine Zagrouba

List of Publications by Year
in descending order

| 163 papers | 1,523 citations | 471509 17 h-index | 377865 34 g-index |

| 167 all docs | 167 docs citations | 167 times ranked | 1361 citing authors |

#	Article	IF	Citations
1	Deep 3D-LBP: CNN-based fusion of shape modeling and texture descriptors for accurate face recognition. Visual Computer, 2023, 39, 239-254.	3.5	7
2	Glioma classification via MR images radiomics analysis. Visual Computer, 2022, 38, 1427-1441.	3.5	9
3	Robust anaglyph 3D video watermarking based on cyan mosaic generation and DCT insertion in Krawtchouk moments. Visual Computer, 2022, 38, 3611-3625.	3.5	3
4	KeyFrame extraction based on face quality measurement and convolutional neural network for efficient face recognition in videos. Multimedia Tools and Applications, 2021, 80, 23157-23179.	3.9	4
5	A Secure Integrated Fog Cloud-IoT Architecture based on Multi-Agents System and Blockchain. , 2021, , .		5
6	Spatiotemporal feature based convolutional neural network for violence detection. , 2021, , .		2
7	Multi-Agent-Based Framework for Resource Allocation in Cloud Computing. Smart Innovation, Systems and Technologies, 2021, , 427-437.	0.6	0
8	Person Re-Identification from different views based on dynamic linear combination of distances. Multimedia Tools and Applications, 2021, 80, 17685-17704.	3.9	3
9	Multimodal medical image fusion review: Theoretical background and recent advances. Signal Processing, 2021, 183, 108036.	3.7	130
10	A Mobile Agent-Based Framework toÂMonitor and Manage Interoperability ofÂC-ITS Services in Vehicles. Smart Innovation, Systems and Technologies, 2021, , 89-101.	0.6	0
11	New Challenges of Face Detection in Paintings based on Deep Learning. , 2021, , .		2
12	KSâ€FQA: Keyframe selection based on face quality assessment for efficient face recognition in video. IET Image Processing, 2021, 15, 77-90.	2.5	10
13	Toward a Robust Shape and Texture Face Descriptor for Efficient Face Recognition in the Wild. Lecture Notes in Computer Science, 2021, , 319-328.	1.3	0
14	Skeleton-based comparison of throwing motion for handball players. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 419-431.	4.9	22
15	A comprehensive overview of relevant methods of image cosegmentation. Expert Systems With Applications, 2020, 140, 112901.	7.6	6
16	Optimisation of linear dependence energy for object coâ€segmentation in a set of images with heterogeneous contents. IET Image Processing, 2020, 14, 201-210.	2.5	1
17	Unsupervised Image-Adapted Local Fisher Discriminant Analysis to Reduce Hyperspectral Images Without Ground Truth. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7931-7941.	6.3	4
18	Modeling Trajectories for 3D Motion Analysis. Communications in Computer and Information Science, 2020, , 409-429.	0.5	0

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19	Face Retrieval in Videos using Face Quality Assessment and Convolution Neural Networks. , 2020, , .		2
20	Multi-modal Image Fusion Based on Weight Local Features and Novel Sum-Modified-Laplacian in Non-subsampled Shearlet Transform Domain. Lecture Notes in Computer Science, 2020, , 166-179.	1.3	1
21	An Invisible Hybrid 3D Video Watermarking Robust Against Malicious Attacks. Communications in Computer and Information Science, 2020, , 157-179.	0.5	3
22	A Multi-sprite Based Anaglyph 3D Video Watermarking Approach Robust Against Collusion. 3D Research, 2019, 10, 1.	1.8	4
23	Class-adapted local fisher discriminant analysis to reduce highly-dimensioned data on commodity hardware: application to hyperspectral images. Multimedia Tools and Applications, 2019, 78, 17113-17134.	3.9	4
24	A Review on Anaglyph 3D Image and Video Watermarking. 3D Research, 2019, 10, 1.	1.8	7
25	Towards fast and parameter-independent support vector data description for image and video segmentation. Expert Systems With Applications, 2019, 128, 271-286.	7.6	3
26	Multi-kernel sparse subspace clustering on the Riemannian manifold of symmetric positive definite matrices. Pattern Recognition Letters, 2019, 125, 21-27.	4.2	9
27	Intra and Inter Spatial Color Descriptor for Content Based Image Retrieval. , 2019, , .		1
28	Key frame extraction for video summarization using local description and repeatability graph clustering. Signal, Image and Video Processing, 2019, 13, 507-515.	2.7	26
29	Deep feature learning for soft tissue sarcoma classification in MR images via transfer learning. Expert Systems With Applications, 2019, 120, 116-127.	7.6	51
30	An Efficient Anaglyph 3D Video Watermarking Approach Based on Hybrid Insertion. Lecture Notes in Computer Science, 2019, , 96-107.	1.3	5
31	A Robust Anaglyph 3D Video Watermarking based on Multi-sprite Generation. , 2019, , .		4
32	Weighted Linear Combination of Distances within Two Manifolds for 3D Human Action Recognition. , 2019, , .		1
33	Simultaneous Semi-supervised Segmentation of Category-Independent Objects from a Collection of Images. Communications in Computer and Information Science, 2019, , 192-203.	0.5	0
34	Transfer learning with multiple convolutional neural networks for soft tissue sarcoma MRI classification. , 2019, , .		1
35	3-D Shearlet Transform Based Feature Extraction for Improved Joint Sparse Representation HSI Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1306-1314.	4.9	10
36	Human actions recognition: an approach based on stable motion boundary fields. Multimedia Tools and Applications, 2018, 77, 20715-20729.	3.9	2

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37	Fuzzy VA-Files for multi-label image annotation based on visual content of regions. Signal, Image and Video Processing, 2018, 12, 877-884.	2.7	4
38	A robust video watermarking based on feature regions and crowdsourcing. Multimedia Tools and Applications, 2018, 77, 26769-26791.	3.9	10
39	False-positive reduction in computer-aided mass detection using mammographic texture analysis and classification. Computer Methods and Programs in Biomedicine, 2018, 160, 75-83.	4.7	22
40	Convolutional neural network-based multimodal image fusion via similarity learning in the shearlet domain. Neural Computing and Applications, 2018, 30, 2029-2045.	5.6	85
41	Modeling clinician medical-knowledge in terms of med-level features for semantic content-based mammogram retrieval. Expert Systems With Applications, 2018, 94, 11-20.	7.6	12
42	Abnormal behavior recognition for intelligent video surveillance systems: A review. Expert Systems With Applications, 2018, 91, 480-491.	7.6	242
43	Online multi-sprites based video watermarking robust to collusion and transcoding attacks for emerging applications. Multimedia Tools and Applications, 2018, 77, 14361-14379.	3.9	19
44	Nonâ€subsampled shearlet transform based MRI and PET brain image fusion using simplified pulse coupled neural network and weight local features in YIQ colour space. IET Image Processing, 2018, 12, 1873-1880.	2.5	48
45	Parallel and Distributed Local Fisher Discriminant Analysis to Reduce Hyperspectral Images on Cloud Computing Architectures. Lecture Notes in Computer Science, 2018, , 245-257.	1.3	3
46	An Efficient Group of Pictures Decomposition based Watermarking for Anaglyph 3D Video. , 2018, , .		9
47	Wikipedia HTML Structure Analysis for Ontology Construction. Knowledge Organization, 2018, 45, 108-124.	0.2	2
48	A Video Dataset for an Efficient Camcording Attack Evaluation. , 2018, , .		0
49	Overlapping area hyperspheres for kernel-based similarity method. Pattern Analysis and Applications, 2017, 20, 1227-1243.	4.6	0
50	Independent component analysis-based band selection techniques for hyperspectral images analysis. Journal of Applied Remote Sensing, 2017, 11, 026006.	1.3	7
51	Spatio-temporal feature using optical flow based distribution for violence detection. Pattern Recognition Letters, 2017, 92, 62-67.	4.2	55
52	Bayesian Approach in Kendall Shape Space forÂPlant Species Classification. Lecture Notes in Computer Science, 2017, , 322-331.	1.3	0
53	Semi-Automated Segmentation of Single and Multiple Tumors in Liver CT Images Using Entropy-Based Fuzzy Region Growing. Irbm, 2017, 38, 98-108.	5.6	46
54	A Robust Video Watermarking for Real-Time Application. Lecture Notes in Computer Science, 2017, , 493-504.	1.3	8

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55	Analysis of Skeletal Shape Trajectories for Person Re-Identification. Lecture Notes in Computer Science, 2017, , 138-149.	1.3	4
56	Towards semantic visual features for malignancy description within medical images. , 2017, , .		1
57	Multimodal Image Fusion Based on Non-subsampled Shearlet Transform and Neuro-Fuzzy. Communications in Computer and Information Science, 2017, , 161-175.	0.5	1
58	Key frames extraction using graph modularity clustering for efficient video summarization. , 2017, , .		16
59	Robust Video Watermarking Approach Based on Crowdsourcing and Hybrid Insertion. , 2017, , .		4
60	Image Retrieval Using Spatial Dominant Color Descriptor. , 2017, , .		5
61	Adaptive Region Based Active Contour Model for Image Segmentation. , 2017, , .		4
62	Multimodal Medical Image Fusion Using Modified PCNN Based on Linking Strength Estimation by MSVD Transform. International Journal of Computer and Communication Engineering, 2017, 6, 201-211.	0.2	8
63	Impact of Feature Extraction and Feature Selection Techniques on Extended Attribute Profile-based Hyperspectral Image Classification. , 2017, , .		4
64	On Combining Imputation Methods for Handling Missing Data. Lecture Notes in Computer Science, 2017, , 171-181.	1.3	0
65	Gaussian Bayes Classifier for 2D Shapes in Kendall Space. Communications in Computer and Information Science, 2017, , 152-160.	0.5	0
66	Enhanced Similarity Measure for Sparse Subspace Clustering Method. Lecture Notes in Computer Science, 2017, , 291-301.	1.3	0
67	A Survey of PET Image Segmentation: Applications in Oncology, Cardiology and Neurology. Current Medical Imaging, 2016, 12, 13-27.	0.8	8
68	Fast and Robust Object Tracking with Adaptive Detection. , 2016, , .		15
69	Multi-scale Kernel PCA and Its Application to Curvelet-Based Feature Extraction for Mammographic Mass Characterization. Lecture Notes in Computer Science, 2016, , 183-191.	1.3	2
70	Adaptive descriptor based on the geometric consistency of local image features: application to flower image classification. Journal of Electronic Imaging, 2016, 25, 053023.	0.9	2
71	Multimodal Registration of PET/MR Brain Images Based on Adaptive Mutual Information. Lecture Notes in Computer Science, 2016, , 361-372.	1.3	2
72	Content-Based Mammogram Retrieval Using Mixed Kernel PCA and Curvelet Transform. Lecture Notes in Computer Science, 2016, , 582-590.	1.3	0

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73	Key Frames Extraction Based on Local Features for Efficient Video Summarization. Lecture Notes in Computer Science, 2016, , 275-285.	1.3	5
74	A new approach of action recognition based on Motion Stable Shape (MSS) features. , 2016, , .		0
75	Semantic-based automatic structuring of leaf images for advanced plant species identification. Multimedia Tools and Applications, 2016, 75, 1615-1646.	3.9	14
76	Using heading hierarchy for non-taxonomic relation extraction. , 2016, , .		1
77	Review of multiscale geometric decompositions in a remote sensing context. Journal of Electronic Imaging, 2016, 25, 061617.	0.9	5
78	A Novel Key Frame Extraction Approach for Video Summarization. , 2016, , .		4
79	A New Efficient Robustness Evaluation Approach for Video Watermarking based on Crowdsourcing. , 2016, , .		0
80	Land Cover Clustering based on Improved Dictionary Learning Method from Modis Data. , 2016, , .		0
81	Curvelet-based locality sensitive hashing for mammogram retrieval in large-scale datasets. , 2015, , .		3
82	Image Segmentation Based on Hybrid Adaptive Active Contour. Lecture Notes in Computer Science, 2015, , 146-156.	1.3	2
83	Multi-view score fusion for content-based mammogram retrieval. , 2015, , .		6
84	Statistical Prior Based Deformable Models for People Detection and Tracking. Lecture Notes in Computer Science, 2015, , 392-401.	1.3	0
85	Breast cancer diagnosis in digitized mammograms using curvelet moments. Computers in Biology and Medicine, 2015, 64, 79-90.	7.0	92
86	Spatio-temporal filter for dense real-time Scene Flow estimation of dynamic environments using a moving RGB-D camera. Pattern Recognition Letters, 2015, 59, 33-40.	4.2	4
87	Robust interest points matching based on local description and spatial constraints. Proceedings of SPIE, 2015, , .	0.8	1
88	Tumor growth model for atlas based registration of pathological brain MR images. , 2015, , .		0
89	High-Dimensional Image Data Sets Retrieval: Improving Accuracy Using a Weighted Relevance Feedback. International Journal of Semantic Computing, 2015, 09, 239-259.	0.5	1
90	Dense 3D SLAM in Dynamic Scenes Using Kinect. Lecture Notes in Computer Science, 2015, , 121-129.	1.3	21

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91	Locality‑sensitive hashing for region‑based large‑scale image indexing. IET Image Processing, 2015, 9, 804-810.	2.5	7
92	Chaos theory-based quantification of ROIs for mammogram classification. , 2015, , 187-191.		2
93	On Line Video Watermarking - A New Robust Approach of Video Watermarking based on Dynamic Multi-sprites Generation. , 2015, , .		4
94	Reconstruction of Bicolored Images. Lecture Notes in Computer Science, 2015, , 276-283.	1.3	1
95	Improving Sparse Subspace Clustering Using Subsampled Randomized Hadamard Transform. , 2015, , .		0
96	Negative Relevance Feedback for Improving Retrieval in Large-Scale Image Collections. , 2014, , .		4
97	Local query on satellite images based on interest points. , 2014, , .		0
98	Model-based graph-cut method for automatic flower segmentation with spatial constraints. Image and Vision Computing, 2014, 32, 1007-1020.	4.5	10
99	Semi-supervised image classification in large datasets by using random forest and fuzzy quantification of the salient object. , 2014, , .		2
100	Image Flower Recognition based on a New Method for Color Feature Extraction. , 2014, , .		5
101	Reconstructing Convex Matrices by Integer Programming Approaches. Mathematical Modelling and Algorithms, 2013, 12, 329-343.	0.5	4
102	An online approach for multi-sprite generation based on camera parameters estimation. Signal, Image and Video Processing, 2013, 7, 843-853.	2.7	8
103	People Tracking Based on Predictions and Graph-Cuts Segmentation. Lecture Notes in Computer Science, 2013, , 158-167.	1.3	1
104	3D modeling of indoor environments using Kinect sensor. , 2013, , .		5
105	On-the-fly Extraction of Key Frames for Efficient Video Summarization. AASRI Procedia, 2013, 4, 78-84.	0.6	12
106	Automated semantic leaf image categorization by geometric analysis. , 2013, , .		4
107	Advanced tree species identification using multiple leaf parts image queries. , 2013, , .		19
108	General bases indexing using approximate structure techniques. , 2013, , .		0

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109	Automated photo‐consistency test for voxel colouring based on fuzzy adaptive hysteresis thresholding. IET Image Processing, 2013, 7, 713-724.	2.5	2
110	Kernel Maximum Mean Discrepancy for Region Merging Approach. Lecture Notes in Computer Science, 2013, , 475-482.	1.3	4
111	A Robust Embedding Scheme and an Efficient Evaluation Protocol for 3D Meshes Watermarking. , 2013, , 83-100.		0
112	Title-based Approach to Relation Discovery from Wikipedia. , 2013, , .		2
113	Toward a taxonomy of concepts using web documents structure. , 2012, , .		1
114	A Comparative Study between Spatial-Temporal Orthogonal Moments for Volumes Description. , 2012, , .		0
115	Image retrieval by comparison between complete oriented graphs of fuzzy regions. , 2012, , .		2
116	Image retrieval based on wavelet sub-bands and fuzzy weighted regions. , 2012, , .		5
117	A new method using moments correlation for action change detection in videos. , 2012, , .		0
118	Flower image segmentation based on color analysis and a supervised evaluation. , 2012, , .		16
119	A robust video watermarking based on image mosacing and multi-frequential embedding. , 2012, , .		2
120	Color Images Co-segmentation Based on Fuzzy Local-Entropy Classification. Communications in Computer and Information Science, 2012, , 240-248.	0.5	4
121	A New No-reference Method for Color Image Quality Assessment. International Journal of Computer Applications, 2012, 40, 24-31.	0.2	14
122	CONCEPTS EXTRACTION BASED ON HTML DOCUMENTS STRUCTURE. , 2012, , .		0
123	Bouclage de pertinence négatif pour la recherche des images à base de descripteurs de sous-bandes d'ondelettes. Traitement Du Signal, 2012, 29, 157-177.	1.3	0
124	A New PSO Based Kernel Clustering Method for Image Segmentation. , 2011, , .		4
125	No-reference Image Semantic Quality Approach using Neural Network. , 2011, , .		4
126	Video Action Classification: A New Approach Combining Spatio-temporal Krawtchouk Moments and Laplacian Eigenmaps. , 2011, , .		6

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127	An efficient and robust 3D mesh compression based on 3D watermarking and wavelet transform. , 2011, , .		0
128	Detection and matching of multiple occluded moving people for human tracking in colour video sequences. International Journal of Signal and Imaging Systems Engineering, 2011, 4, 153.	0.6	2
129	An Efficient Approach for Video Action Classification Based on 3D Zernike Moments. Communications in Computer and Information Science, 2011, , 196-205.	0.5	7
130	REGION-BASED OBJECTIVE EVALUATION OF POLYGONAL MESH SEGMENTATION METHODS. , 2011, , .		0
131	A Robust Embedding Scheme and an Efficient Evaluation Protocol for 3D Meshes Watermarking. International Journal of Computer Vision and Image Processing, 2011, 1, 13-29.	0.4	0
132	A robust framework for joint background/foreground segmentation of complex video scenes filmed with freely moving camera. Multimedia Tools and Applications, 2010, 46, 175-205.	3.9	20
133	Unsupervised background reconstruction based on iterative median blending and spatial segmentation. , 2010, , .		6
134	A new evaluation protocol for robust 3D mesh watermarking. , 2010, , .		1
135	A Robust and Blind 3D Mesh Watermarking Driven by Stable Regions. , 2009, , .		2
136	A New Approach of Mesh Watermarking Based on Maximally Stable Meshes Detection. , 2009, , .		4
137	Toward an automatic subjective image quality assessment system. Proceedings of SPIE, 2009, , .	0.8	4
138	An efficient image-mosaicing method based on multifeature matching. Machine Vision and Applications, 2009, 20, 139-162.	2.7	43
139	Tumor Extraction From Multimodal MRI. Advances in Intelligent and Soft Computing, 2009, , 415-422.	0.2	4
140	A Robust 3D Mesh Watermarking Based on Stable Meshes Detection and Multi-signatures Embedding. , 2009, , .		1
141	SCID: full reference spatial color image quality metric. , 2009, , .		4
142	Effective Region-based Relevance Feedback for Interactive Content-based Image Retrieval. Studies in Computational Intelligence, 2009, , 177-187.	0.9	4
143	A Cost Efficient Approach for Automatic Non-Rigid Registration of Medical Images. , 2009, , .		0
144	IMPROVED FUZZY-C-MEANS FOR NOISY IMAGE SEGMENTATION. , 2009, , .		0

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145	ROBUST FUZZY-C-MEANS FOR IMAGE SEGMENTATION. , 2009, , .		0
146	A New Approach of 3D Watermarking Based on Image Segmentation. , 2008, , .		2
147	Are existing procedures enough? Image and video quality assessment: review of subjective and objective metrics. Proceedings of SPIE, 2008, , .	0.8	12
148	New image matching method based on spatial region interrelationships. , 2007, , .		0
149	Decomposition of an alignment problem of two 3D images by a multi-agent approach. , 2007, , .		2
150	A Collaborative System for Pigmented Skin Lesions Malignancy Tracking. , 2007, , .		2
151	An Accelerated System for Melanoma Diagnosis Based on Subset Feature Selection. Journal of Computing and Information Technology, 2005, 13, 69.	0.3	21
152	A PRELIMINARY APPROACH FOR THE AUTOMATED RECOGNITION OF MALIGNANT MELANOMA. Image Analysis and Stereology, 2004, 23, 121.	0.9	48
153	SEMIAUTOMATIC DETECTION OF TUMORAL ZONE. Image Analysis and Stereology, 2002, 21, 13.	0.9	9
154	A Robust and Unified Algorithm for Indoor and Outdoor Scenes Based on Region Segmentation. Lecture Notes in Computer Science, 1999, , 570-579.	1.3	1
155	3-D Facets construction for stereovision. Lecture Notes in Computer Science, 1997, , 116-126.	1.3	2
156	<title>Rule-based system for region segmentation improvement in stereovision</title>. , 1994, 2182, 357.		5
157	<title>Cooperative algorithm for 2D facets extraction using contours and regions</title>. , 1992, 1825, 264.		1
158	Hierarchical feature grouping for stereo matching. , 0, , .		0
159	A robust multi-primitive approach for image mosaicing. , 0, , .		1
160	Objective and cost-efficient approach for skin lesions classification. , 0, , .		4
161	Towards a standard approach for medical images segmentation. , 0, , .		1
162	Content Adaptive Watermarking Based on Regions Segmentation. , 0, , .		1

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163	Evaluation and fusion of image segmentation methods. , 0, , .		1