

# Ezzeddine Zagrouba

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Abnormal behavior recognition for intelligent video surveillance systems: A review. Expert Systems With Applications, 2018, 91, 480-491.	7.6	242
2	Multimodal medical image fusion review: Theoretical background and recent advances. Signal Processing, 2021, 183, 108036.	3.7	130
3	Breast cancer diagnosis in digitized mammograms using curvelet moments. Computers in Biology and Medicine, 2015, 64, 79-90.	7.0	92
4	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
5	Spatio-temporal feature using optical flow based distribution for violence detection. Pattern Recognition Letters, 2017, 92, 62-67.	4.2	55
6	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
7	Non-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
8	A PRELIMINARY APPROACH FOR THE AUTOMATED RECOGNITION OF MALIGNANT MELANOMA. Image Analysis and Stereology, 2004, 23, 121.	0.9	48
9	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
10	An efficient image-mosaicing method based on multifeature matching. Machine Vision and Applications, 2009, 20, 139-162.	2.7	43
11	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
12	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
13	Skeleton-based comparison of throwing motion for handball players. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 419-431.	4.9	22
14	Dense 3D SLAM in Dynamic Scenes Using Kinect. Lecture Notes in Computer Science, 2015, , 121-129.	1.3	21
15	An Accelerated System for Melanoma Diagnosis Based on Subset Feature Selection. Journal of Computing and Information Technology, 2005, 13, 69.	0.3	21
16	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
17	Advanced tree species identification using multiple leaf parts image queries. , 2013, , .		19
18	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

#	ARTICLE	IF	CITATIONS
19	Flower image segmentation based on color analysis and a supervised evaluation. , 2012, , .		16
20	Key frames extraction using graph modularity clustering for efficient video summarization. , 2017, , .		16
21	Fast and Robust Object Tracking with Adaptive Detection. , 2016, , .		15
22	Semantic-based automatic structuring of leaf images for advanced plant species identification. Multimedia Tools and Applications, 2016, 75, 1615-1646.	3.9	14
23	A New No-reference Method for Color Image Quality Assessment. International Journal of Computer Applications, 2012, 40, 24-31.	0.2	14
24	Are existing procedures enough? Image and video quality assessment: review of subjective and objective metrics. Proceedings of SPIE, 2008, , .	0.8	12
25	On-the-fly Extraction of Key Frames for Efficient Video Summarization. AASRI Procedia, 2013, 4, 78-84.	0.6	12
26	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
27	Model-based graph-cut method for automatic flower segmentation with spatial constraints. Image and Vision Computing, 2014, 32, 1007-1020.	4.5	10
28	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
29	A robust video watermarking based on feature regions and crowdsourcing. Multimedia Tools and Applications, 2018, 77, 26769-26791.	3.9	10
30	KSâ€œFQA: Keyframe selection based on face quality assessment for efficient face recognition in video. IET Image Processing, 2021, 15, 77-90.	2.5	10
31	Multi-kernel sparse subspace clustering on the Riemannian manifold of symmetric positive definite matrices. Pattern Recognition Letters, 2019, 125, 21-27.	4.2	9
32	Glioma classification via MR images radiomics analysis. Visual Computer, 2022, 38, 1427-1441.	3.5	9
33	An Efficient Group of Pictures Decomposition based Watermarking for Anaglyph 3D Video. , 2018, , .		9
34	SEMIAUTOMATIC DETECTION OF TUMORAL ZONE. Image Analysis and Stereology, 2002, 21, 13.	0.9	9
35	An online approach for multi-sprite generation based on camera parameters estimation. Signal, Image and Video Processing, 2013, 7, 843-853.	2.7	8
36	A Survey of PET Image Segmentation: Applications in Oncology, Cardiology and Neurology. Current Medical Imaging, 2016, 12, 13-27.	0.8	8

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37	A Robust Video Watermarking for Real-Time Application. Lecture Notes in Computer Science, 2017, , 493-504.	1.3	8
38	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
39	Locality-sensitive hashing for region-based large-scale image indexing. IET Image Processing, 2015, 9, 804-810.	2.5	7
40	Independent component analysis-based band selection techniques for hyperspectral images analysis. Journal of Applied Remote Sensing, 2017, 11, 026006.	1.3	7
41	A Review on Anaglyph 3D Image and Video Watermarking. 3D Research, 2019, 10, 1.	1.8	7
42	An Efficient Approach for Video Action Classification Based on 3D Zernike Moments. Communications in Computer and Information Science, 2011, , 196-205.	0.5	7
43	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
44	Unsupervised background reconstruction based on iterative median blending and spatial segmentation. , 2010, , .		6
45	Video Action Classification: A New Approach Combining Spatio-temporal Krawtchouk Moments and Laplacian Eigenmaps. , 2011, , .		6
46	Multi-view score fusion for content-based mammogram retrieval. , 2015, , .		6
47	A comprehensive overview of relevant methods of image cosegmentation. Expert Systems With Applications, 2020, 140, 112901.	7.6	6
48	<title>Rule-based system for region segmentation improvement in stereovision</title>. , 1994, 2182, 357.		5
49	Image retrieval based on wavelet sub-bands and fuzzy weighted regions. , 2012, , .		5
50	3D modeling of indoor environments using Kinect sensor. , 2013, , .		5
51	Key Frames Extraction Based on Local Features for Efficient Video Summarization. Lecture Notes in Computer Science, 2016, , 275-285.	1.3	5
52	Image Retrieval Using Spatial Dominant Color Descriptor. , 2017, , .		5
53	A Secure Integrated Fog Cloud-IoT Architecture based on Multi-Agents System and Blockchain. , 2021, , .		5
54	An Efficient Anaglyph 3D Video Watermarking Approach Based on Hybrid Insertion. Lecture Notes in Computer Science, 2019, , 96-107.	1.3	5

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55	Review of multiscale geometric decompositions in a remote sensing context. Journal of Electronic Imaging, 2016, 25, 061617.	0.9	5
56	Image Flower Recognition based on a New Method for Color Feature Extraction. , 2014, , .		5
57	Objective and cost-efficient approach for skin lesions classification. , 0, , .		4
58	A New Approach of Mesh Watermarking Based on Maximally Stable Meshes Detection. , 2009, , .		4
59	Toward an automatic subjective image quality assessment system. Proceedings of SPIE, 2009, , .	0.8	4
60	Tumor Extraction From Multimodal MRI. Advances in Intelligent and Soft Computing, 2009, , 415-422.	0.2	4
61	SCID: full reference spatial color image quality metric. , 2009, , .		4
62	A New PSO Based Kernel Clustering Method for Image Segmentation. , 2011, , .		4
63	No-reference Image Semantic Quality Approach using Neural Network. , 2011, , .		4
64	Reconstructing Convex Matrices by Integer Programming Approaches. Mathematical Modelling and Algorithms, 2013, 12, 329-343.	0.5	4
65	Automated semantic leaf image categorization by geometric analysis. , 2013, , .		4
66	Negative Relevance Feedback for Improving Retrieval in Large-Scale Image Collections. , 2014, , .		4
67	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
68	Analysis of Skeletal Shape Trajectories for Person Re-Identification. Lecture Notes in Computer Science, 2017, , 138-149.	1.3	4
69	Robust Video Watermarking Approach Based on Crowdsourcing and Hybrid Insertion. , 2017, , .		4
70	Adaptive Region Based Active Contour Model for Image Segmentation. , 2017, , .		4
71	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
72	A Multi-sprite Based Anaglyph 3D Video Watermarking Approach Robust Against Collusion. 3D Research, 2019, 10, 1.	1.8	4

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73	Class-adapted local fisher discriminant analysis to reduce highly-dimensional data on commodity hardware: application to hyperspectral images. <i>Multimedia Tools and Applications</i> , 2019, 78, 17113-17134.	3.9	4
74	Unsupervised Image-Adapted Local Fisher Discriminant Analysis to Reduce Hyperspectral Images Without Ground Truth. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 7931-7941.	6.3	4
75	KeyFrame extraction based on face quality measurement and convolutional neural network for efficient face recognition in videos. <i>Multimedia Tools and Applications</i> , 2021, 80, 23157-23179.	3.9	4
76	Effective Region-based Relevance Feedback for Interactive Content-based Image Retrieval. <i>Studies in Computational Intelligence</i> , 2009, , 177-187.	0.9	4
77	Color Images Co-segmentation Based on Fuzzy Local-Entropy Classification. <i>Communications in Computer and Information Science</i> , 2012, , 240-248.	0.5	4
78	Kernel Maximum Mean Discrepancy for Region Merging Approach. <i>Lecture Notes in Computer Science</i> , 2013, , 475-482.	1.3	4
79	On Line Video Watermarking - A New Robust Approach of Video Watermarking based on Dynamic Multi-sprites Generation. , 2015, , .		4
80	A Novel Key Frame Extraction Approach for Video Summarization. , 2016, , .		4
81	Impact of Feature Extraction and Feature Selection Techniques on Extended Attribute Profile-based Hyperspectral Image Classification. , 2017, , .		4
82	A Robust Anaglyph 3D Video Watermarking based on Multi-sprite Generation. , 2019, , .		4
83	Curvelet-based locality sensitive hashing for mammogram retrieval in large-scale datasets. , 2015, , .		3
84	Towards fast and parameter-independent support vector data description for image and video segmentation. <i>Expert Systems With Applications</i> , 2019, 128, 271-286.	7.6	3
85	Person Re-Identification from different views based on dynamic linear combination of distances. <i>Multimedia Tools and Applications</i> , 2021, 80, 17685-17704.	3.9	3
86	Robust anaglyph 3D video watermarking based on cyan mosaic generation and DCT insertion in Krawtchouk moments. <i>Visual Computer</i> , 2022, 38, 3611-3625.	3.5	3
87	Parallel and Distributed Local Fisher Discriminant Analysis to Reduce Hyperspectral Images on Cloud Computing Architectures. <i>Lecture Notes in Computer Science</i> , 2018, , 245-257.	1.3	3
88	An Invisible Hybrid 3D Video Watermarking Robust Against Malicious Attacks. <i>Communications in Computer and Information Science</i> , 2020, , 157-179.	0.5	3
89	3-D Facets construction for stereovision. <i>Lecture Notes in Computer Science</i> , 1997, , 116-126.	1.3	2
90	Decomposition of an alignment problem of two 3D images by a multi-agent approach. , 2007, , .		2

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91	A Collaborative System for Pigmented Skin Lesions Malignancy Tracking. , 2007, , .		2
92	A New Approach of 3D Watermarking Based on Image Segmentation. , 2008, , .		2
93	A Robust and Blind 3D Mesh Watermarking Driven by Stable Regions. , 2009, , .		2
94	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
95	Image retrieval by comparison between complete oriented graphs of fuzzy regions. , 2012, , .		2
96	A robust video watermarking based on image mosaicing and multi-frequential embedding. , 2012, , .		2
97	Automated photo-consistency test for voxel colouring based on fuzzy adaptive hysteresis thresholding. IET Image Processing, 2013, 7, 713-724.	2.5	2
98	Semi-supervised image classification in large datasets by using random forest and fuzzy quantification of the salient object. , 2014, , .		2
99	Image Segmentation Based on Hybrid Adaptive Active Contour. Lecture Notes in Computer Science, 2015, , 146-156.	1.3	2
100	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
101	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
102	Multimodal Registration of PET/MR Brain Images Based on Adaptive Mutual Information. Lecture Notes in Computer Science, 2016, , 361-372.	1.3	2
103	Human actions recognition: an approach based on stable motion boundary fields. Multimedia Tools and Applications, 2018, 77, 20715-20729.	3.9	2
104	Spatiotemporal feature based convolutional neural network for violence detection. , 2021, , .		2
105	New Challenges of Face Detection in Paintings based on Deep Learning. , 2021, , .		2
106	Chaos theory-based quantification of ROIs for mammogram classification. , 2015, , 187-191.		2
107	Title-based Approach to Relation Discovery from Wikipedia. , 2013, , .		2
108	Wikipedia HTML Structure Analysis for Ontology Construction. Knowledge Organization, 2018, 45, 108-124.	0.2	2

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109	Face Retrieval in Videos using Face Quality Assessment and Convolution Neural Networks. , 2020, , .		2
110	<title>Cooperative algorithm for 2D facets extraction using contours and regions</title>. , 1992, 1825, 264.		1
111	A robust multi-primitive approach for image mosaicing. , 0, , .		1
112	Towards a standard approach for medical images segmentation. , 0, , .		1
113	Content Adaptive Watermarking Based on Regions Segmentation. , 0, , .		1
114	Evaluation and fusion of image segmentation methods. , 0, , .		1
115	A Robust 3D Mesh Watermarking Based on Stable Meshes Detection and Multi-signatures Embedding. , 2009, , .		1
116	A new evaluation protocol for robust 3D mesh watermarking. , 2010, , .		1
117	Toward a taxonomy of concepts using web documents structure. , 2012, , .		1
118	People Tracking Based on Predictions and Graph-Cuts Segmentation. Lecture Notes in Computer Science, 2013, , 158-167.	1.3	1
119	Robust interest points matching based on local description and spatial constraints. Proceedings of SPIE, 2015, , .	0.8	1
120	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
121	Towards semantic visual features for malignancy description within medical images. , 2017, , .		1
122	Multimodal Image Fusion Based on Non-subsampled Shearlet Transform and Neuro-Fuzzy. Communications in Computer and Information Science, 2017, , 161-175.	0.5	1
123	Intra and Inter Spatial Color Descriptor for Content Based Image Retrieval. , 2019, , .		1
124	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
125	Using heading hierarchy for non-taxonomic relation extraction. , 2016, , .		1
126	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

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127	Reconstruction of Bicolored Images. Lecture Notes in Computer Science, 2015, , 276-283.	1.3	1
128	Weighted Linear Combination of Distances within Two Manifolds for 3D Human Action Recognition. , 2019, , .		1
129	Transfer learning with multiple convolutional neural networks for soft tissue sarcoma MRI classification. , 2019, , .		1
130	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
131	Hierarchical feature grouping for stereo matching. , 0, , .		0
132	New image matching method based on spatial region interrelationships. , 2007, , .		0
133	An efficient and robust 3D mesh compression based on 3D watermarking and wavelet transform. , 2011, , .		0
134	A Comparative Study between Spatial-Temporal Orthogonal Moments for Volumes Description. , 2012, , .		0
135	A new method using moments correlation for action change detection in videos. , 2012, , .		0
136	General bases indexing using approximate structure techniques. , 2013, , .		0
137	Local query on satellite images based on interest points. , 2014, , .		0
138	Statistical Prior Based Deformable Models for People Detection and Tracking. Lecture Notes in Computer Science, 2015, , 392-401.	1.3	0
139	Tumor growth model for atlas based registration of pathological brain MR images. , 2015, , .		0
140	Content-Based Mammogram Retrieval Using Mixed Kernel PCA and Curvelet Transform. Lecture Notes in Computer Science, 2016, , 582-590.	1.3	0
141	A new approach of action recognition based on Motion Stable Shape (MSS) features. , 2016, , .		0
142	Overlapping area hyperspheres for kernel-based similarity method. Pattern Analysis and Applications, 2017, 20, 1227-1243.	4.6	0
143	Bayesian Approach in Kendall Shape Space for Plant Species Classification. Lecture Notes in Computer Science, 2017, , 322-331.	1.3	0
144	Multi-Agent-Based Framework for Resource Allocation in Cloud Computing. Smart Innovation, Systems and Technologies, 2021, , 427-437.	0.6	0

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145	A Mobile Agent-Based Framework to Monitor and Manage Interoperability of ITS Services in Vehicles. Smart Innovation, Systems and Technologies, 2021, , 89-101.	0.6	0
146	A Cost Efficient Approach for Automatic Non-Rigid Registration of Medical Images. , 2009, , .		0
147	IMPROVED FUZZY-C-MEANS FOR NOISY IMAGE SEGMENTATION. , 2009, , .		0
148	ROBUST FUZZY-C-MEANS FOR IMAGE SEGMENTATION. , 2009, , .		0
149	REGION-BASED OBJECTIVE EVALUATION OF POLYGONAL MESH SEGMENTATION METHODS. , 2011, , .		0
150	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
151	CONCEPTS EXTRACTION BASED ON HTML DOCUMENTS STRUCTURE. , 2012, , .		0
152	Bouclage de pertinence adaptatif pour la recherche des images à base de descripteurs de sous-bandes d'ondelettes. Traitement Du Signal, 2012, 29, 157-177.	1.3	0
153	A Robust Embedding Scheme and an Efficient Evaluation Protocol for 3D Meshes Watermarking. , 2013, , 83-100.		0
154	Improving Sparse Subspace Clustering Using Subsampled Randomized Hadamard Transform. , 2015, , .		0
155	A New Efficient Robustness Evaluation Approach for Video Watermarking based on Crowdsourcing. , 2016, , .		0
156	Land Cover Clustering based on Improved Dictionary Learning Method from Modis Data. , 2016, , .		0
157	On Combining Imputation Methods for Handling Missing Data. Lecture Notes in Computer Science, 2017, , 171-181.	1.3	0
158	Gaussian Bayes Classifier for 2D Shapes in Kendall Space. Communications in Computer and Information Science, 2017, , 152-160.	0.5	0
159	Enhanced Similarity Measure for Sparse Subspace Clustering Method. Lecture Notes in Computer Science, 2017, , 291-301.	1.3	0
160	A Video Dataset for an Efficient Camcording Attack Evaluation. , 2018, , .		0
161	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
162	Modeling Trajectories for 3D Motion Analysis. Communications in Computer and Information Science, 2020, , 409-429.	0.5	0

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163	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