

# Ashraf A Kassim

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

2,302  
citations

279487

23  
h-index

243296

44  
g-index

93  
all docs

93  
docs citations

93  
times ranked

1765  
citing authors

#	ARTICLE	IF	CITATIONS
1	Accurate HEP-2 cell classification based on sparse bag of words coding. Computerized Medical Imaging and Graphics, 2017, 57, 40-49.	3.5	11
2	Multi-dimensional low rank plus sparse decomposition for reconstruction of under-sampled dynamic MRI. Pattern Recognition, 2017, 63, 667-679.	5.1	43
3	Dependent nonparametric bayesian group dictionary learning for online reconstruction of dynamic MR images. Pattern Recognition, 2017, 63, 518-530.	5.1	6
4	Dynamic MRI reconstruction using low rank plus sparse tensor decomposition. , 2016, , .		10
5	Classification of HEP-2 cells using distributed dictionary learning. , 2016, , .		6
6	Robust Facial Landmark Detection via Recurrent Attentive-Refinement Networks. Lecture Notes in Computer Science, 2016, , 57-72.	1.0	106
7	Fast and robust fMRI unmixing using hierarchical dictionary learning. , 2016, , .		4
8	Accurate HEP-2 cell classification based on Sparse Coding of Superpixels. Pattern Recognition Letters, 2016, 82, 64-71.	2.6	23
9	A Live Face Swapper. , 2016, , .		3
10	Performance evaluation of local descriptors and distance measures on benchmarks and first-person-view videos for face identification. Neurocomputing, 2016, 184, 107-116.	3.5	22
11	Facial Landmark Detection via Progressive Initialization. , 2015, , .		37
12	Sparse non-parametric Bayesian model for HEP-2 cell image classification. , 2015, , .		4
13	Evaluation of Descriptors and Distance Measures on Benchmarks and First-Person-View Videos for Face Identification. Lecture Notes in Computer Science, 2015, , 585-599.	1.0	7
14	Multimodal Dictionary Learning and Joint Sparse Representation for HEP-2 Cell Classification. Lecture Notes in Computer Science, 2015, , 308-315.	1.0	7
15	Low-rank and Sparse Matrix Decomposition with a-priori Knowledge for Dynamic 3D MRI Reconstruction. , 2015, , .		2
16	3D reconstruction of neurons in electron microscopy images. , 2014, 2014, 6732-5.		2
17	A Bag of Words Based Approach for Classification of HEP-2 Cell Images. , 2014, , .		11
18	Classification of human Epithelial Type-2 cells using hierarchical segregation. , 2014, , .		3

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19	Automatic CAD System for HEP-2 Cell Image Classification. , 2014, , .		10
20	Cross-media relevance mining for evaluating text-based image search engine. , 2014, , .		1
21	A computationally efficient method for reconstructing sequences of MR images from undersampled k-space data. Medical Image Analysis, 2014, 18, 857-865.	7.0	5
22	On ECG reconstruction using weighted compressive sensing. Healthcare Technology Letters, 2014, 1, 68-73.	1.9	9
23	On the reconstruction of sequences of sparse signals " The Weighted-CS. Journal of Visual Communication and Image Representation, 2013, 24, 196-202.	1.7	11
24	Enhancing VHDL learning through a light-weight integrated environment for development and automated checking. , 2013, , .		5
25	Low rank and sparse matrix reconstruction with partial support knowledge for surveillance video processing. , 2013, , .		5
26	High-Order Local Spatial Context Modeling by Spatialized Random Forest. IEEE Transactions on Image Processing, 2013, 22, 739-751.	6.0	13
27	A sparse sampling model for 3D face recognition. , 2013, , .		0
28	Face Hallucination on Personal Photo Albums. Lecture Notes in Computer Science, 2013, , 284-295.	1.0	2
29	On the simultaneous recognition of identity and expression from BU-3DFE datasets. Pattern Recognition Letters, 2012, 33, 1785-1793.	2.6	22
30	Active Visual Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 639-653.	9.7	81
31	Gini Index as Sparsity Measure for Signal Reconstruction from Compressive Samples. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 927-932.	7.3	107
32	HUMAN GROUP ACTIVITIES: DATABASE AND ALGORITHMS. , 2011, , 289-312.		0
33	Medical image reconstruction from sparse samples using Simultaneous Perturbation Stochastic Optimization. , 2010, , .		6
34	A data-driven approach to prior extraction for segmentation of left ventricle in cardiac MR images. , 2009, 2009, 831-834.		1
35	Contextualizing histogram. , 2009, , .		7
36	Modeling Interaction for Segmentation of Neighboring Structures. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 252-262.	3.6	11

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37	Vasculature Segmentation in MRA Images Using Gradient Compensated Geodesic Active Contours. Journal of Signal Processing Systems, 2009, 54, 171-181.	1.4	9
38	3D Color Set Partitioning in Hierarchical Trees. Circuits, Systems, and Signal Processing, 2009, 28, 41-53.	1.2	5
39	A novel approach to classification of facial expressions from 3D-mesh datasets using modified PCA. Pattern Recognition Letters, 2009, 30, 1128-1137.	2.6	34
40	Recognizing human group activities with localized causalities. , 2009, , .		25
41	Hierarchical Segmentation-Based Image Coding Using Hybrid Quad-Binary Trees. IEEE Transactions on Image Processing, 2009, 18, 1284-1291.	6.0	14
42	Directed Markov Stationary Features for visual classification. , 2009, , .		6
43	Segmentation of kidney cortex in MRI studies: a constrained morphological 3D h-maxima transform approach. International Journal of Medical Engineering and Informatics, 2009, 1, 330.	0.2	11
44	Recognizing human group activities with localized causalities. , 2009, , .		3
45	Contextualizing histogram. , 2009, , .		0
46	Impact of vertex clustering on registration-based 3D dynamic mesh coding. Image and Vision Computing, 2008, 26, 1012-1026.	2.7	6
47	Predictive 3D search algorithm for multi-frame motion estimation. IEEE Transactions on Consumer Electronics, 2008, 54, 1938-1946.	3.0	7
48	Learning by Propagability. , 2008, , .		5
49	Data-Driven Probability Hypothesis Density Filter for Visual Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 1085-1095.	5.6	41
50	Image compression using high order wedgelets in a generalized quad-tree. , 2008, , .		0
51	Wavelet packet transform basis selection method for set partitioning in hierarchical trees. Journal of Electronic Imaging, 2008, 17, 033007.	0.5	7
52	A Fast Boundary Tracing Scheme Using Image Patch Classification. , 2008, , .		1
53	A Hybrid Framework for 3-D Human Motion Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 1075-1084.	5.6	18
54	Context-Based Interpretation and Indexing of Video Data. , 2008, , 527-546.		0

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55	A New Scheme for Automatic Initialization of Deformable Models. , 2007, , .		2
56	Signal and Image Approximation Using Interval Wavelet Transform. IEEE Transactions on Image Processing, 2007, 16, 46-56.	6.0	16
57	Gaussian mixture probability hypothesis density for visual people racking. , 2007, , .		6
58	Adaptive Particle Filter for Data Fusion of Multiple Cameras. Journal of Signal Processing Systems, 2007, 49, 363-376.	1.0	6
59	Segmentation of Kidney Cortex in MRI Studies using a Constrained Morphological 3D H-maxima Transform. , 2006, , .		8
60	Estimating Just-Noticeable Distortion for Video. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 820-829.	5.6	137
61	A Pipelined Hardware Implementation of In-loop Deblocking Filter in H.264/AVC. IEEE Transactions on Consumer Electronics, 2006, 52, 536-540.	3.0	48
62	Segmentation of volumetric MRA images by using capillary active contour. Medical Image Analysis, 2006, 10, 317-329.	7.0	75
63	Tool condition classification using Hidden Markov Model based on fractal analysis of machined surface textures. Machine Vision and Applications, 2006, 17, 327-336.	1.7	36
64	Medical Image Segmentation Using Minimal Path Deformable Models With Implicit Shape Priors. IEEE Transactions on Information Technology in Biomedicine, 2006, 10, 677-684.	3.6	31
65	Human Facial Expression Recognition using a 3D Morphable Model. , 2006, , .		38
66	Detection and Interpretation of Text Information in Noisy Video Sequences. , 2006, , .		3
67	Analysis of esthetic smiles by using computer vision techniques. American Journal of Orthodontics and Dentofacial Orthopedics, 2005, 128, 404-411.	0.8	25
68	Motion Compensated Lossy-to-Lossless Compression of 4-D Medical Images Using Integer Wavelet Transforms. IEEE Transactions on Information Technology in Biomedicine, 2005, 9, 132-138.	3.6	29
69	Design and implementation of parallel video encoding strategies using divisible load analysis. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 1098-1112.	5.6	57
70	Segmentation of Neighboring Organs in Medical Image with Model Competition. Lecture Notes in Computer Science, 2005, 8, 270-277.	1.0	11
71	MRA Image Segmentation with Capillary Active Contour. Lecture Notes in Computer Science, 2005, 8, 51-58.	1.0	17
72	Improving SPIHT Using Virtual Encapsulation. Circuits, Systems, and Signal Processing, 2004, 23, 507-516.	1.2	0

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73	Tool wear monitoring using a fast Hough transform of images of machined surfaces. Machine Vision and Applications, 2004, 15, 156.	1.7	10
74	A scalable video codec for layered video streaming. Real Time Imaging, 2004, 10, 297-305.	1.6	0
75	Connectivity oriented fast Hough transform for tool wear monitoring. Pattern Recognition, 2004, 37, 1925-1933.	5.1	50
76	Automated estimation of misconvergence in color monitors. IEEE Transactions on Consumer Electronics, 2004, 50, 39-45.	3.0	2
77	Embedded color image coding using SPIHT with partially linked spatial orientation trees. IEEE Transactions on Circuits and Systems for Video Technology, 2003, 13, 203-206.	5.6	50
78	<title>Layered self-identifiable and scalable video codec for delivery to heterogeneous receivers</title>. , 2003, 5150, 180.		0
79	<title>Image and animation cel coding using wedgelets and beamlets</title>. , 2003, , .		1
80	<title>Recovery of incorrectly transmitted DWT-coded images</title>. , 2003, 5150, 1035.		0
81	Compression of Dynamic 3D Geometry Data Using Iterative Closest Point Algorithm. Computer Vision and Image Understanding, 2002, 87, 116-130.	3.0	32
82	Performance of the color set partitioning in hierarchical tree scheme (CSPIHT) in video coding. Circuits, Systems, and Signal Processing, 2001, 20, 253-270.	1.2	11
83	Application of image and sound analysis techniques to monitor the condition of cutting tools. Pattern Recognition Letters, 2000, 21, 969-979.	2.6	95
84	Machine tool condition monitoring using workpiece surface texture analysis. Machine Vision and Applications, 2000, 11, 257-263.	1.7	27
85	Automatic IC orientation checks. Machine Vision and Applications, 2000, 12, 107-112.	1.7	5
86	Rate-scalable object-based wavelet codec with implicit shape coding. IEEE Transactions on Circuits and Systems for Video Technology, 2000, 10, 1068-1079.	5.6	7
87	Path planners based on the wave expansion neural network. Robotics and Autonomous Systems, 1999, 26, 1-22.	3.0	14
88	A comparative study of efficient generalised Hough transform techniques. Image and Vision Computing, 1999, 17, 737-748.	2.7	63
89	Highly scalable wavelet-based video codec for very low bit-rate environment. IEEE Journal on Selected Areas in Communications, 1998, 16, 12-27.	9.7	66
90	A novel unrestricted center-biased diamond search algorithm for block motion estimation. IEEE Transactions on Circuits and Systems for Video Technology, 1998, 8, 369-377.	5.6	521

#	ARTICLE	IF	CITATIONS
91	The wave expansion neural network. Neurocomputing, 1997, 16, 237-258.	3.5	6
92	Context-Based Interpretation and Indexing of Video Data. , 0, , 77-98.		0