Ekta Walia

List of Publications by Year
in descending order

33 papers	1,877 citations	623574 14 h-index	642610 23 g-index
33 all docs	33 docs citations	33 times ranked	2412 citing authors

#	Article	IF	Citations
1	Generative adversarial network in medical imaging: A review. Medical Image Analysis, 2019, 58, 101552.	7.0	958
2	Thyroid Nodule Classification in Ultrasound Images by Fine-Tuning Deep Convolutional Neural Network. Journal of Digital Imaging, 2017, 30, 477-486.	1.6	289
3	Fusion framework for effective color image retrieval. Journal of Visual Communication and Image Representation, 2014, 25, 1335-1348.	1.7	89
4	Fast and numerically stable methods for the computation of Zernike moments. Pattern Recognition, 2010, 43, 2497-2506.	5.1	67
5	Accurate calculation of Zernike moments. Information Sciences, 2013, 233, 255-275.	4.0	59
6	Face recognition using Zernike and complex Zernike moment features. Pattern Recognition and Image Analysis, 2011, 21, 71-81.	0.6	57
7	Algorithms for fast computation of Zernike moments and their numerical stability. Image and Vision Computing, 2011, 29, 251-259.	2.7	49
8	Fragile and blind watermarking technique based on Weber's law for medical image authentication. IET Computer Vision, 2013, 7, 9-19.	1.3	39
9	Analysis of algorithms for fast computation of pseudo Zernike moments and their numerical stability. , 2012, 22, 1031-1043.		37
10	An Effective and Fast Hybrid Framework for Color Image Retrieval. Sensing and Imaging, 2014, 15, 1.	1.0	34
11	Face Recognition Using Improved Fast PCA Algorithm. , 2008, , .		29
12	Variants of dense descriptors and Zernike moments as features for accurate shape-based image retrieval. Signal, Image and Video Processing, 2014, 8, 1273-1289.	1.7	29
13	On the fast computation of orthogonal Fourier–Mellin moments with improved numerical stability. Journal of Real-Time Image Processing, 2012, 7, 247-256.	2.2	25
14	Robust two-stage face recognition approach using global and local features. Visual Computer, 2012, 28, 1085-1098.	2.5	20
15	Partition selection with sparse autoencoders for content based image classification. Neural Computing and Applications, 2019, 31, 675-690.	3.2	16
16	Boosting local texture descriptors with Log-Gabor filters response for improved image retrieval. International Journal of Multimedia Information Retrieval, 2016, 5, 173-184.	3.6	14
17	Discriminative Zernike and Pseudo Zernike Moments for Face Recognition. International Journal of Computer Vision and Image Processing, 2012, 2, 12-35.	0.3	11
18	A robust watermark authentication technique based on Weber's descriptor. Signal, Image and Video Processing, 2014, 8, 859-872.	1.7	11

#	Article	IF	Citations
19	Complementary feature sets for optimal face recognition. Eurasip Journal on Image and Video Processing, 2014, 2014, .	1.7	11
20	Design of frame buffer for 1 THz energy efficient digital image processor based on HSLVDCI I/O standard in FPGA. , 2013, , .		8
21	Improved Accuracy in Shape Based Image Retrieval with Complex Zernike Moments Using Wavelets. , 2009, , .		5
22	Zernike moments and LDP-weighted patches for content-based image retrieval. Signal, Image and Video Processing, 2014, 8, 577-594.	1.7	5
23	Image-based search and retrieval for biface artefacts using features capturing archaeologically significant characteristics. Machine Vision and Applications, 2017, 28, 201-218.	1.7	5
24	Feature Generalization for Breast Cancer Detection in Histopathological Images. Interdisciplinary Sciences, Computational Life Sciences, 2022, 14, 566-581.	2.2	4
25	Evaluation of Local Tetra Pattern features for face recognition. , 2014, , .		2
26	Enhanced linear block algorithm with improved similarity measure. , 2014, , .		1
27	Gabor Wavelet Enabled Zernike Moments for Effective Content Based Image Retrieval. Lecture Notes in Computer Science, 2013, , 703-710.	1.0	1
28	Fast and High Capacity Digital Image Watermarking Technique Based on Phase of Zernike Moments. International Journal of Computer Vision and Image Processing, 2012, 2, 60-74.	0.3	1
29	A Framework for Interactive 3D Rendering on Mobile Devices. International Journal of Computer Vision and Image Processing, 2014, 4, 18-31.	0.3	1
30	Clock gating aware energy efficient Frame buffer design on FPGA. , 2013, , .		0
31	On the Analysis of Global and Local Robust Image Watermarking Using Zernike Moments. International Journal of Computer Vision and Image Processing, 2014, 4, 56-69.	0.3	0
32	Magnitude and Phase of Discriminative Orthogonal Radial Moments for Face Recognition. Advances in Computational Intelligence and Robotics Book Series, 2014, , 131-160.	0.4	0
33	Fast and High Capacity Digital Image Watermarking Technique Based on Phase of Zernike Moments. , 0, , 221-234.		0