Hussein A Aly

List of Publications by Year
in descending order

25 papers	594 citations	1684188 5 h-index	1372567 10 g-index
26 all docs	26 docs citations	26 times ranked	588 citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible architecture for real-time synchronized processing of multimedia signals. Multimedia Tools and Applications, 2021, 80, 18531-18551.	3.9	1
2	Adaptive Near-Infrared and Visible Fusion for Fast Image Enhancement. IEEE Transactions on Computational Imaging, 2020, 6, 408-418.	4.4	36
3	Fundamental Limits Of Steganographic Capacity For Multivariate-Quantized-Gaussian-Distributed Multimedia. , 2020, , .		0
4	High-speed video haze removal algorithm for embedded systems. Journal of Real-Time Image Processing, 2019, 16, 1117-1128.	3.5	6
5	A Real-Time FPGA Implementation of Visible/Near Infrared Fusion Based Image Enhancement. , 2018, , .		6
6	Fast near infrared fusion-based adaptive enhancement of visible images. , 2017, , .		9
7	Active modulation of laser coded systems using near infrared video projection system based on digital micromirror device (DMD). , 2016, , .		1
8	A Modified Multiview Video Streaming System Using 3-Tier Architecture. Advances in Electrical and Electronic Engineering, 2016, 14, .	0.3	3
9	Near‒infrared video projection system based on digital micromirror devices and digital signal processors. Optical Engineering, 2015, 54, 123102.	1.0	5
10	A video haze removal system on heterogeneous cores. , 2015, , .		3
11	View synthesis from wide-baseline views using occlusion aware estimation of large disparities. , 2014, , .		1
12	Computational efficiency improvements for image colorization. , 2014, , .		3
13	A new image-sequence haze removal system based on DM6446 Davinci processor. , 2014, , .		8
14	A Regularized Model-Based Optimization Framework for Pan-Sharpening. IEEE Transactions on Image Processing, 2014, 23, 2596-2608.	9.8	85
15	Joint multichannel pansharpening for multispectral imagery. , 2013, , .		1
16	A modified prediction scheme of the H.264 multiview video coding to improve the decoder performance. Proceedings of SPIE, 2013, , .	0.8	0
17	A hybrid demosaicking algorithm using frequency domain and wavelet methods. , 2011, , .		4
18	Data Hiding in Motion Vectors of Compressed Video Based on Their Associated Prediction Error. IEEE Transactions on Information Forensics and Security, 2011, 6, 14-18.	6.9	124

#	Article	IF	Citations
19	Effects of the source, surface, and sensor couplings and colorimetric of laser speckle pattern on the performance of optical imaging system. Proceedings of SPIE, 2011, , .	0.8	0
20	The joint impact of mobility models, percentage of transmitting/receiving nodes, and nodes density in the scenario on MANET routing protocols. The International Conference on Electrical Engineering, 2010, 7, 1-12.	0.0	0
21	Evaluation Of Local Disparity Estimation For View Interpolation. The International Conference on Electrical Engineering, 2010, 7, 1-15.	0.0	0
22	Specification of the observation model for regularized image up-sampling. IEEE Transactions on Image Processing, 2005, 14, 567-576.	9.8	22
23	Image up-sampling using total-variation regularization with a new observation model. IEEE Transactions on Image Processing, 2005, 14, 1647-1659.	9.8	272
24	Design of Optimal Camera Apertures Adapted to Display Devices Over Arbitrary Sampling Lattices. IEEE Signal Processing Letters, 2004, 11, 443-445.	3.6	3
25	Real-time visible and near-infrared video fusion: architecture and implementation. Journal of Real-Time Image Processing, 0, , 1.	3.5	0