Ruichao Hou

List of Publications by Year
in descending order

17 papers	403 citations
1039406 9 h-index	1281420 11 g-index
17 all docs	17 docs citations
17 times ranked	276 citing authors

#	Article	IF	Citations
1	TSE_Fuse: Two stage enhancement method using attention mechanism and feature-linking model for infrared and visible image fusion. , 2022, 123, 103387.		7
2	CIRNet: An improved RGBT tracking via cross-modality interaction and re-identification. Neurocomputing, 2022, 493, 327-339.	3.5	11
3	Multimodal medical image fusion based on the spectral total variation and local structural patch measurement. International Journal of Imaging Systems and Technology, 2021, 31, 391-411.	2.7	9
4	Siamese networks and multi-scale local extrema scheme for multimodal brain medical image fusion. Biomedical Signal Processing and Control, 2021, 68, 102697.	3.5	22
5	CMFA_Net: A cross-modal feature aggregation network for infrared-visible image fusion. Infrared Physics and Technology, 2021, 118, 103905.	1.3	11
6	Robust spiking cortical model and total-variational decomposition for multimodal medical image fusion. Biomedical Signal Processing and Control, 2020, 61, 101996.	3.5	20
7	VIF-Net: An Unsupervised Framework for Infrared and Visible Image Fusion. IEEE Transactions on Computational Imaging, 2020, 6, 640-651.	2.6	136
8	Brain Medical Image Fusion Based on Dual-Branch CNNs in NSST Domain. BioMed Research International, 2020, 2020, 1-15.	0.9	17
9	Construction of high dynamic range image based on gradient information transformation. IET Image Processing, 2020, 14, 1327-1338.	1.4	10
10	Infrared and visible images fusion using visual saliency and optimized spiking cortical model in non-subsampled shearlet transform domain. Multimedia Tools and Applications, 2019, 78, 28609-28632.	2.6	31
11	A Novel Infrared and Visible Image Fusion Using Low-rank Representation and Simplified Dual Channel Pulse Coupled Neural Network. , 2019, , .		2
12	Brain CT and MRI medical image fusion using convolutional neural networks and a dual-channel spiking cortical model. Medical and Biological Engineering and Computing, 2019, 57, 887-900.	1.6	72
13	Brain CT and MRI medical image fusion scheme Using NSST And Dictionary Learning. , 2018, , .		7
14	Multi-focus Color Image Fusion Scheme Using NSST and Focus Region Detection. , 2018, , .		3
15	Multi-Focus Image Fusion Using Cross Bilateral Filter in NSCT Domain. , 2018, , .		1
16	Infrared and visible image fusion based on convolutional neural network model and saliency detection via hybrid l0-l1 layer decomposition. Journal of Electronic Imaging, 2018, 27, 1.	0.5	44
17	Infrared and visible image fusion using modified PCNN and visual saliency detection. , 2018, , .		0