

Sajid Javed

List of Publications by Year in descending order

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48
papers

1,883
citations

623699

14
h-index

501174

28
g-index

48
all docs

48
docs citations

48
times ranked

1427
citing authors

#	ARTICLE	IF	CITATIONS
1	Decomposition into low-rank plus additive matrices for background/foreground separation: A review for a comparative evaluation with a large-scale dataset. Computer Science Review, 2017, 23, 1-71.	15.3	259
2	Deep neural network concepts for background subtraction:A systematic review and comparative evaluation. Neural Networks, 2019, 117, 8-66.	5.9	250
3	Robust Subspace Learning: Robust PCA, Robust Subspace Tracking, and Robust Subspace Recovery. IEEE Signal Processing Magazine, 2018, 35, 32-55.	5.6	249
4	On the Applications of Robust PCA in Image and Video Processing. Proceedings of the IEEE, 2018, 106, 1427-1457.	21.3	177
5	Background“Foreground Modeling Based on Spatiotemporal Sparse Subspace Clustering. IEEE Transactions on Image Processing, 2017, 26, 5840-5854.	9.8	103
6	Handcrafted and Deep Trackers. ACM Computing Surveys, 2020, 52, 1-44.	23.0	91
7	Cellular community detection for tissue phenotyping in colorectal cancer histology images. Medical Image Analysis, 2020, 63, 101696.	11.6	87
8	Moving Object Detection in Complex Scene Using Spatiotemporal Structured-Sparse RPCA. IEEE Transactions on Image Processing, 2019, 28, 1007-1022.	9.8	82
9	Spatiotemporal Low-Rank Modeling for Complex Scene Background Initialization. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1315-1329.	8.3	68
10	Unsupervised deep context prediction for background estimation and foreground segmentation. Machine Vision and Applications, 2019, 30, 375-395.	2.7	52
11	Online Stochastic Tensor Decomposition for Background Subtraction in Multispectral Video Sequences. , 2015, , .		48
12	Background Subtraction via Superpixel-Based Online Matrix Decomposition with Structured Foreground Constraints. , 2015, , .		40
13	Multiplex Cellular Communities in Multi-Gigapixel Colorectal Cancer Histology Images for Tissue Phenotyping. IEEE Transactions on Image Processing, 2020, 29, 9204-9219.	9.8	29
14	Motion-Aware Graph Regularized RPCA for background modeling of complex scenes. , 2016, , .		28
15	OR-PCA with dynamic feature selection for robust background subtraction. , 2015, , .		23
16	Robust PCA and Robust Subspace Tracking: A Comparative Evaluation. , 2018, , .		22
17	Moving Object Detection on RGB-D Videos Using Graph Regularized Spatiotemporal RPCA. Lecture Notes in Computer Science, 2017, , 230-241.	1.3	20
18	Robust background subtraction to global illumination changes via multiple features-based online robust principal components analysis with Markov random field. Journal of Electronic Imaging, 2015, 24, 043011.	0.9	19

#	ARTICLE	IF	CITATIONS
19	The Emerging Field of Graph Signal Processing for Moving Object Segmentation. Communications in Computer and Information Science, 2021, , 31-45.	0.5	18
20	Detection and Grading of Hypertensive Retinopathy Using Vessels Tortuosity and Arteriovenous Ratio. Journal of Digital Imaging, 2022, 35, 281-301.	2.9	17
21	Robust background subtraction via online robust PCA using image decomposition. , 2014, , .		15
22	Robust Structural Low-Rank Tracking. IEEE Transactions on Image Processing, 2020, 29, 4390-4405.	9.8	15
23	Depth extended online RPCA with spatiotemporal constraints for robust background subtraction. , 2015, , .		14
24	Graph CNN for Moving Object Detection in Complex Environments from Unseen Videos. , 2021, , .		14
25	Nucleus classification in histology images using message passing network. Medical Image Analysis, 2022, 79, 102480.	11.6	13
26	OR-PCA with MRF for Robust Foreground Detection in Highly Dynamic Backgrounds. Lecture Notes in Computer Science, 2015, , 284-299.	1.3	11
27	Combining ARF and OR-PCA for Robust Background Subtraction of Noisy Videos. Lecture Notes in Computer Science, 2015, , 340-351.	1.3	11
28	Spatially Constrained Context-Aware Hierarchical Deep Correlation Filters for Nucleus Detection in Histology Images. Medical Image Analysis, 2021, 72, 102104.	11.6	11
29	Cellular Community Detection for Tissue Phenotyping in Histology Images. Lecture Notes in Computer Science, 2018, , 120-129.	1.3	10
30	Hierarchical Spatiotemporal Graph Regularized Discriminative Correlation Filter for Visual Object Tracking. IEEE Transactions on Cybernetics, 2022, 52, 12259-12274.	9.5	10
31	Improving OR-PCA via smoothed spatially-consistent low-rank modeling for background subtraction. , 2017, , .		8
32	SBMI-LTD. , 2017, , .		8
33	A Novel Algorithm Based on a Common Subspace Fusion for Visual Object Tracking. IEEE Access, 2022, 10, 24690-24703.	4.2	7
34	Structural Low-Rank Tracking. , 2019, , .		6
35	Multiscale Unified Network for Simultaneous Segmentation of Nerves and Micro-vessels in Histology Images. , 2021, , .		6
36	Colorectal Cancer Tissue Classification Using Semi-Supervised Hypergraph Convolutional Network. , 2021, , .		5

#	ARTICLE	IF	CITATIONS
37	CS-RPCA: Clustered Sparse RPCA for Moving Object Detection. , 2020, , .		5
38	Local binary pattern variants-based adaptive texture features analysis for posed and nonposed facial expression recognition. Journal of Electronic Imaging, 2017, 26, 1.	0.9	5
39	Multi-level feature fusion for nucleus detection in histology images using correlation filters. Computers in Biology and Medicine, 2022, 143, 105281.	7.0	5
40	Deep Bidirectional Correlation Filters for Visual Object Tracking. , 2020, , .		4
41	Foreground Object Detection and Tracking for Visual Surveillance System: A Hybrid Approach. , 2013, , .		3
42	Deep Multiresolution Cellular Communities for Semantic Segmentation of Multi-Gigapixel Histology Images. , 2019, , .		3
43	Low-Rank Tensor Tracking. , 2019, , .		3
44	Thyroid Nodule Cell Classification in Cytology Images Using Transfer Learning Approach. Advances in Intelligent Systems and Computing, 2021, , 539-549.	0.6	3
45	Person Gender Classification on RGB-D Data With Self-Joint Attention. IEEE Access, 2021, 9, 166303-166313.	4.2	3
46	Feature Attention Network for Simultaneous Nuclei Instance Segmentation and Classification in Histology Images. , 2021, , .		2
47	Spatial Graph Regularized Correlation Filters for Visual Object Tracking. Advances in Intelligent Systems and Computing, 2021, , 186-195.	0.6	1
48	Stochastic RPCA for Background/Foreground Separation. , 2016, , 457-480.		0