

R Venkatesh Babu

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,768
citations

516710

16
h-index

610901

24
g-index

54
all docs

54
docs citations

54
times ranked

1489
citing authors

#	ARTICLE	IF	CITATIONS
1	DeepFuse: A Deep Unsupervised Approach for Exposure Fusion with Extreme Exposure Image Pairs. , 2017, , .		353
2	DeepFix: A Fully Convolutional Neural Network for Predicting Human Eye Fixations. IEEE Transactions on Image Processing, 2017, 26, 4446-4456.	9.8	331
3	SeamSeg: Video Object Segmentation Using Patch Seams. , 2014, , .		93
4	Robust tracking with motion estimation and local Kernel-based color modeling. Image and Vision Computing, 2007, 25, 1205-1216.	4.5	89
5	Recognition of human actions using motion history information extracted from the compressed video. Image and Vision Computing, 2004, 22, 597-607.	4.5	73
6	Robust object tracking with background-weighted local kernels. Computer Vision and Image Understanding, 2008, 112, 296-309.	4.7	70
7	BiHMP-GAN: Bidirectional 3D Human Motion Prediction GAN. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8553-8560.	4.9	68
8	Almost Unsupervised Learning for Dense Crowd Counting. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8868-8875.	4.9	58
9	A survey on compressed domain video analysis techniques. Multimedia Tools and Applications, 2016, 75, 1043-1078.	3.9	52
10	Compressed domain action classification using HMM. Pattern Recognition Letters, 2002, 23, 1203-1213.	4.2	40
11	Human action recognition using depth maps. , 2012, , .		39
12	Real time anomaly detection in H.264 compressed videos. , 2013, , .		37
13	Learning to Count in the Crowd from Limited Labeled Data. Lecture Notes in Computer Science, 2020, , 212-229.	1.3	35
14	Approximate Nearest Neighbour Field based Optic Disk Detection. Computerized Medical Imaging and Graphics, 2014, 38, 49-56.	5.8	34
15	Online adaptive radial basis function networks for robust object tracking. Computer Vision and Image Understanding, 2010, 114, 297-310.	4.7	31
16	A real-time implementation of SIFT using GPU. Journal of Real-Time Image Processing, 2018, 14, 267-277.	3.5	29
17	Compressed domain video retrieval using object and global motion descriptors. Multimedia Tools and Applications, 2006, 32, 93-113.	3.9	26
18	Object-based Surveillance Video Compression using Foreground Motion Compensation. , 2006, , .		22

#	ARTICLE	IF	CITATIONS
19	Anomaly detection in compressed H.264/AVC video. Multimedia Tools and Applications, 2015, 74, 11099-11115.	3.9	22
20	Compressed domain motion segmentation for video object extraction. , 2002, , .		19
21	Meta-Cognitive Neuro-Fuzzy Inference System for human emotion recognition. , 2012, , .		19
22	PA-Fuse: deep supervised approach for the fusion of photoacoustic images with distinct reconstruction characteristics. Biomedical Optics Express, 2019, 10, 2227.	2.9	18
23	Appearance Consensus Driven Self-supervised Human Mesh Recovery. Lecture Notes in Computer Science, 2020, , 794-812.	1.3	17
24	Human action recognition using a fast learning fully complex-valued classifier. Neurocomputing, 2012, 89, 202-212.	5.9	16
25	Robust Object Tracking using Local Kernels and Background Information. , 2007, , .		15
26	H.264 compressed video classification using Histogram of Oriented Motion Vectors (HOMV). , 2013, , .		15
27	Compressed domain human action recognition in H.264/AVC video streams. Multimedia Tools and Applications, 2015, 74, 9323-9338.	3.9	14
28	Subject independent human action recognition using spatio-depth information and meta-cognitive RBF network. Engineering Applications of Artificial Intelligence, 2013, 26, 1010-1021.	8.1	13
29	FeatureMatch: A General ANNF Estimation Technique and its Applications. IEEE Transactions on Image Processing, 2014, 23, 2193-2205.	9.8	13
30	Fast moving-object detection in H.264/AVC compressed domain for video surveillance. , 2013, , .		12
31	Fully complex-valued ELM classifiers for human action recognition. , 2011, , .		10
32	Super-pixel based crowd flow segmentation in H.264 compressed videos. , 2014, , .		8
33	Robust tracking with interest points: A sparse representation approach. Image and Vision Computing, 2015, 33, 44-56.	4.5	8
34	Feature match. , 2012, , .		7
35	Kernel-Based Spatial-Color Modeling for Fast Moving Object Tracking. , 2007, , .		6
36	Crowd flow segmentation in compressed domain using CRF. , 2015, , .		6

#	ARTICLE	IF	CITATIONS
37	Human action recognition in H.264/AVC compressed domain using meta-cognitive radial basis function network. Applied Soft Computing Journal, 2015, 36, 218-227.	7.2	6
38	Content-based video retrieval using motion descriptors extracted from compressed domain. , 0, , .		5
39	Compressed domain human motion recognition using motion history information. , 0, , .		5
40	Optical flow estimation using Approximate Nearest Neighbor Field fusion. , 2014, , .		5
41	Short Local Trajectory based moving anomaly detection. , 2014, , .		4
42	Unsupervised Cross-Modal Alignment for Multi-person 3D Pose Estimation. Lecture Notes in Computer Science, 2020, , 35-52.	1.3	4
43	Interest points based object tracking via sparse representation. , 2013, , .		3
44	Visual object tracking via random ferns based classification. , 2014, , .		3
45	3D Action Recognition by Learning Sequences of Poses. , 2014, , .		3
46	Crowd flow segmentation based on motion vectors in H.264 compressed domain. , 2014, , .		3
47	Synthetic image super resolution using FeatureMatch. Multimedia Tools and Applications, 2015, 74, 6691-6707.	3.9	3
48	Compressed domain action classification using HMM. , 0, , .		2
49	Rapid human action recognition in H.264/AVC compressed domain for video surveillance. , 2013, , .		2
50	Sparse representation for optic disk detection. , 2012, , .		1
51	Patch Flow based Visual Object Tracking. , 2014, , .		1
52	Super Pixel Clustering via Kernel Density Estimation. , 2014, , .		0
53	Secret Image Sharing using Fractal Codes. , 2014, , .		0
54	Deep Neural Network for Foreground Object Segmentation: An Unsupervised Approach. Communications in Computer and Information Science, 2018, , 360-371.	0.5	0