Rajiv Kapoor

List of Publications by Year
in descending order

37 papers	**544** citations	759233 **12** h-index	713466 **21** g-index
38 all docs	**38** docs citations	**38** times ranked	**447** citing authors

#	Article	IF	Citations
1	Contrast enhancement via texture region based histogram equalization. Journal of Modern Optics, 2016, 63, 1444-1450.	1.3	96
2	Recent advances on multicue object tracking: a survey. Artificial Intelligence Review, 2016, 46, 1-39.	15.7	64
3	A proposed unified framework for the recognition of human activity by exploiting the characteristics of action dynamics. Robotics and Autonomous Systems, 2016, 77, 25-38.	5.1	30
4	Integrated approach for human action recognition using edge spatial distribution, direction pixel and -transform. Advanced Robotics, 2015, 29, 1553-1562.	1.8	29
5	Unified framework for human activity recognition: An approach using spatial edge distribution and â„œ-transform. AEU - International Journal of Electronics and Communications, 2016, 70, 341-353.	2.9	27
6	Fingerprint image super-resolution via ridge orientation-based clustered coupled sparse dictionaries. Journal of Electronic Imaging, 2015, 24, 043015.	0.9	21
7	State of the art content based image retrieval techniques using deep learning: a survey. Multimedia Tools and Applications, 2021, 80, 29561-29583.	3.9	21
8	Simple and intelligent system to recognize the expression of speech-disabled person. , 2012, , .		20
9	New scheme for underwater acoustically wireless transmission using direct sequence code division multiple access in MIMO systems. Wireless Networks, 2019, 25, 4541-4553.	3.0	20
10	English-Hindi Neural Machine Translation-LSTM Seq2Seq and ConvS2S. , 2020, , .		20
11	An Efficient Approach for the Recognition of Hand Gestures from Very Low Resolution Images. , 2015, , .		18
12	Robust object tracking based upon adaptive multi-cue integration for video surveillance. Multimedia Tools and Applications, 2016, 75, 15821-15847.	3.9	18
13	Spider monkey optimisation assisted particle filter for robust object tracking. IET Computer Vision, 2017, 11, 207-219.	2.0	18
14	Multiwavelet transform based classification of PQ events. European Transactions on Electrical Power, 2012, 22, 518-532.	1.0	14
15	Adaptive Technique with Cross Correlation for Lowering Signal-to-Noise Ratio Wall in Sensor Networks. Wireless Personal Communications, 2019, 105, 787-802.	2.7	14
16	Nonâ€linear dimensionality reduction using fuzzy lattices. IET Computer Vision, 2013, 7, 201-208.	2.0	13
17	An efficient hierarchical 16â€QAM dynamic constellation to obtain high PSNR reconstructed images under varying channel conditions. IET Communications, 2016, 10, 139-147.	2.2	13
18	Volterra bound interval typeâ€2 fuzzy logicâ€based approach for multiple power quality events analysis. IET Electrical Systems in Transportation, 2018, 8, 188-196.	2.4	12

#	Article	IF	Citations
19	Statistically matched wavelet-based method for detection of power quality events. International Journal of Electronics, 2011, 98, 109-127.	1.4	11
20	Recognition of voltage sag causes using fractionally delayed biorthogonal wavelet. Transactions of the Institute of Measurement and Control, 2019, 41, 2851-2863.	1.7	9
21	Particle filter based on cuckoo search for Non-linear state estimation. , 2013, , .		8
22	FPGA accelerated abandoned object detection. , 2016, , .		7
23	Removal of baseline wander from ECG signal using cascaded Empirical Mode Decomposition and morphological functions. , 2016, , .		7
24	An intelligent railway surveillance framework based on recognition of object and railway track using deep learning. Multimedia Tools and Applications, 2022, 81, 21083-21109.	3.9	6
25	Double Deep Q-Learning Approach for Tuning Microwave Cavity Filters using Locally Linear Embedding Technique. , 2020, , .		5
26	Intelligent fire-detection model using statistical color models data fusion with Dezertâ€"Smarandache method. International Journal of Image and Data Fusion, 2013, 4, 324-341.	1.7	3
27	Optimal Q-Learning Approach for Tuning the Cavity Filters. , 2019, , .		3
28	Anomaly detection in group activities based on fuzzy lattices using SchrÃ¶dinger equation. Iran Journal of Computer Science, 2020, 3, 103-114.	2.5	3
29	Genetic particle filter improved fuzzy-AEEMD for ECG signal de-noising. Computer Methods in Biomechanics and Biomedical Engineering, 2021, 24, 1426-1436.	1.6	3
30	Visual-Thermal Fusion-Based Object Tracking via a Granular Computing Backed Particle Filtering. IETE Journal of Research, 2023, 69, 6693-6708.	2.6	3
31	Depth and scale modeling of object for 3D motion analysis in video. , 2013, , .		2
32	Sparse coding based robust image denoising via coupled dictionary. , 2016, , .		2
33	Modified Sliding Singular Spectrum Analysis-Based Noncontact-Type Detection of Separated Instrument in Root Canal Therapy Using Low-Frequency Ultrasonic Pattern Transceiver Design. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	2
34	Performance Comparison between Orthogonal, Bi-Orthogonal and Semi- Orthogonal Wavelets. Advanced Materials Research, 0, 433-440, 6521-6526.	0.3	1
35	Feature Enhanced Capsule Networks for Robust Automatic Essay Scoring. Lecture Notes in Computer Science, 2021, , 365-380.	1.3	1
36	Targeted surveillance system for highly maneuverable objects using fuzzy Kalman filter. , 2014, , .		0

#	Article	IF	Citations
37	Quaternions-based detection of power quality events. Electrical Engineering, 0, , 1.	2.0	0