

Debi Prosad Dogra

List of Publications by Year in descending order

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citations

236925

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docs citations

72
times ranked

1583
citing authors

#	ARTICLE	IF	CITATIONS
1	Vehicular Trajectory Classification and Traffic Anomaly Detection in Videos Using a Hybrid CNN-VAE Architecture. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11891-11902.	8.0	14
2	Topic-based Video Analysis. ACM Computing Surveys, 2022, 54, 1-34.	23.0	2
3	Video based exercise recognition and correct pose detection. Multimedia Tools and Applications, 2022, 81, 30267-30282.	3.9	10
4	A multi-stream deep neural network with late fuzzy fusion for real-world anomaly detection. Expert Systems With Applications, 2022, 201, 117030.	7.6	12
5	Object Interaction-Based Localization and Description of Road Accident Events Using Deep Learning. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 20601-20613.	8.0	2
6	Trajectory-Based Scene Understanding Using Dirichlet Process Mixture Model. IEEE Transactions on Cybernetics, 2021, 51, 4148-4161.	9.5	13
7	Logo detection using weakly supervised saliency map. Multimedia Tools and Applications, 2021, 80, 4341-4365.	3.9	5
8	A Survey on Neuromarketing Using EEG Signals. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 732-749.	3.8	29
9	A Robust Biometric Authentication System for Handheld Electronic Devices by Intelligently Combining 3D Finger Motions and Cerebral Responses. IEEE Transactions on Consumer Electronics, 2021, 67, 58-67.	3.6	9
10	Ornament Image Retrieval Using Multimodal Fusion. SN Computer Science, 2021, 2, 1.	3.6	2
11	A multimodal-Siamese Neural Network (mSNN) for person verification using signatures and EEG. Information Fusion, 2021, 71, 17-27.	19.1	29
12	Understanding crowd flow patterns using active-Langevin model. Pattern Recognition, 2021, 119, 108037.	8.1	7
13	Crowd Characterization in Surveillance Videos Using Deep-Graph Convolutional Neural Network. IEEE Transactions on Cybernetics, 2021, PP, 1-12.	9.5	1
14	PIDLNet: A Physics-Induced Deep Learning Network for Characterization of Crowd Videos. , 2021, , .		1
15	Query-Based Video Synopsis for Intelligent Traffic Monitoring Applications. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3457-3468.	8.0	23
16	Person Re-identification in Videos by Analyzing Spatio-temporal Tubes. Multimedia Tools and Applications, 2020, 79, 24537-24551.	3.9	4
17	Can we automate diagrammatic reasoning?. Pattern Recognition, 2020, 106, 107412.	8.1	0
18	Video trajectory analysis using unsupervised clustering and multi-criteria ranking. Soft Computing, 2020, 24, 16643-16654.	3.6	17

#	ARTICLE	IF	CITATIONS
19	ELM-HTM guided bio-inspired unsupervised learning for anomalous trajectory classification. Cognitive Systems Research, 2020, 63, 30-41.	2.7	13
20	Exploring Impact of Age and Gender on Sentiment Analysis Using Machine Learning. Electronics (Switzerland), 2020, 9, 374.	3.1	54
21	Estimation of linear motion in dense crowd videos using Langevin model. Expert Systems With Applications, 2020, 150, 113333.	7.6	5
22	Temporal Unknown Incremental Clustering Model for Analysis of Traffic Surveillance Videos. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1762-1773.	8.0	15
23	Trajectory-Based Surveillance Analysis: A Survey. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1985-1997.	8.3	67
24	Likelihood learning in modified Dirichlet Process Mixture Model for video analysis. Pattern Recognition Letters, 2019, 128, 211-219.	4.2	1
25	Fingertip detection and tracking for recognition of air-writing in videos. Expert Systems With Applications, 2019, 136, 217-229.	7.6	58
26	Computer vision-guided intelligent traffic signaling for isolated intersections. Expert Systems With Applications, 2019, 134, 267-278.	7.6	27
27	Visual rendering of shapes on 2D display devices guided by hand gestures. Displays, 2019, 57, 18-33.	3.7	14
28	Natural Gestures to Interact with 3D Virtual Objects using Deep Learning Framework. , 2019, , .		1
29	Multimodal Gait Recognition With Inertial Sensor Data and Video Using Evolutionary Algorithm. IEEE Transactions on Fuzzy Systems, 2019, 27, 956-965.	9.8	62
30	Kinect sensor-based interaction monitoring system using the BLSTM neural network in healthcare. International Journal of Machine Learning and Cybernetics, 2019, 10, 2529-2540.	3.6	44
31	EEG-Based Age and Gender Prediction Using Deep BLSTM-LSTM Network Model. IEEE Sensors Journal, 2019, 19, 2634-2641.	4.7	59
32	Queuing theory guided intelligent traffic scheduling through video analysis using Dirichlet process mixture model. Expert Systems With Applications, 2019, 118, 169-181.	7.6	11
33	Recognizing gender from human facial regions using genetic algorithm. Soft Computing, 2019, 23, 8085-8100.	3.6	9
34	A novel point-line duality feature for trajectory classification. Visual Computer, 2019, 35, 415-427.	3.5	6
35	Exercise classification and event segmentation in Hammersmith Infant Neurological Examination videos. Machine Vision and Applications, 2018, 29, 233-245.	2.7	2
36	Fast recognition and verification of 3D air signatures using convex hulls. Expert Systems With Applications, 2018, 100, 106-119.	7.6	15

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37	Surveillance scene representation and trajectory abnormality detection using aggregation of multiple concepts. Expert Systems With Applications, 2018, 101, 43-55.	7.6	21
38	A position and rotation invariant framework for sign language recognition (SLR) using Kinect. Multimedia Tools and Applications, 2018, 77, 8823-8846.	3.9	63
39	Unsupervised classification of erroneous video object trajectories. Soft Computing, 2018, 22, 4703-4721.	3.6	4
40	Independent Bayesian classifier combination based sign language recognition using facial expression. Information Sciences, 2018, 428, 30-48.	6.9	62
41	Motion anomaly detection and trajectory analysis in visual surveillance. Multimedia Tools and Applications, 2018, 77, 16223-16248.	3.9	7
42	Envisioned speech recognition using EEG sensors. Personal and Ubiquitous Computing, 2018, 22, 185-199.	2.8	56
43	A segmental HMM based trajectory classification using genetic algorithm. Expert Systems With Applications, 2018, 93, 169-181.	7.6	25
44	Analysis of 3D signatures recorded using leap motion sensor. Multimedia Tools and Applications, 2018, 77, 14029-14054.	3.9	20
45	Designing of marker-based augmented reality learning environment for kids using convolutional neural network architecture. Displays, 2018, 55, 46-54.	3.7	30
46	Summarization of videos by analyzing affective state of the user through crowdsourcing. Cognitive Systems Research, 2018, 52, 917-930.	2.7	20
47	A novel framework of continuous human-activity recognition using Kinect. Neurocomputing, 2018, 311, 99-111.	5.9	45
48	Extraction of Long-Duration Moving Object Trajectories from Curtailed Tracks. Advances in Intelligent Systems and Computing, 2018, , 315-326.	0.6	0
49	deepGesture: Deep learning-based gesture recognition scheme using motion sensors. Displays, 2018, 55, 38-45.	3.7	75
50	Robustness Analysis of Motion Sensor Guided Air Authentication System. IEEE Transactions on Consumer Electronics, 2018, 64, 171-179.	3.6	2
51	A multimodal framework for sensor based sign language recognition. Neurocomputing, 2017, 259, 21-38.	5.9	134
52	A bio-signal based framework to secure mobile devices. Journal of Network and Computer Applications, 2017, 89, 62-71.	9.1	52
53	Prediction of advertisement preference by fusing EEG response and sentiment analysis. Neural Networks, 2017, 92, 77-88.	5.9	72
54	Analysis of EEG signals and its application to neuromarketing. Multimedia Tools and Applications, 2017, 76, 19087-19111.	3.9	158

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55	Study of Text Segmentation and Recognition Using Leap Motion Sensor. IEEE Sensors Journal, 2017, 17, 1293-1301.	4.7	55
56	Coupled HMM-based multi-sensor data fusion for sign language recognition. Pattern Recognition Letters, 2017, 86, 1-8.	4.2	152
57	3D text segmentation and recognition using leap motion. Multimedia Tools and Applications, 2017, 76, 16491-16510.	3.9	32
58	Localization of region of interest in surveillance scene. Multimedia Tools and Applications, 2017, 76, 13651-13680.	3.9	7
59	Posture Recognition in HINE Exercises. Advances in Intelligent Systems and Computing, 2017, , 321-330.	0.6	2
60	Autonomous vision-guided approach for the analysis and grading of vertical suspension tests during Hammersmith Infant Neurological Examination (HINE). , 2016, 2016, 863-866.		2
61	Computer-Vision-Guided Human Pulse Rate Estimation: A Review. IEEE Reviews in Biomedical Engineering, 2016, 9, 91-105.	18.0	49
62	Smart video summarization using mealy machine-based trajectory modelling for surveillance applications. Multimedia Tools and Applications, 2016, 75, 6373-6401.	3.9	21
63	Computer-Vision-Assisted Palm Rehabilitation With Supervised Learning. IEEE Transactions on Biomedical Engineering, 2016, 63, 991-1001.	4.2	57
64	Segmentation and recognition of text written in 3D using Leap motion interface. , 2015, , .		21
65	Autonomous detection and tracking under illumination changes, occlusions and moving camera. Signal Processing, 2015, 117, 343-354.	3.7	29
66	Video analysis of Hammersmith lateral tilting examination using Kalman filter guided multi-path tracking. Medical and Biological Engineering and Computing, 2014, 52, 759-772.	2.8	6
67	Toward Automating Hammersmith Pulled-To-Sit Examination of Infants Using Feature Point Based Video Object Tracking. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 38-47.	4.9	13
68	A Tool for Automatic Hammersmith Infant Neurological Examination. International Journal of E-Health and Medical Communications, 2011, 2, 1-13.	1.6	11
69	Automatic Adductors Angle Measurement for Neurological Assessment of Post-neonatal Infants during Follow Up. Lecture Notes in Computer Science, 2011, , 160-166.	1.3	3