Cem Direkoglu

List of Publications by Year
in descending order

36 papers	808 citations	1039880 9 h-index	794469 19 g-index
37 all docs	37 docs citations	37 times ranked	782 citing authors

#	Article	IF	Citations
1	Review of MRI-based Brain Tumor Image Segmentation Using Deep Learning Methods. Procedia Computer Science, 2016, 102, 317-324.	1.2	479
2	Abnormal Crowd Behavior Detection Using Motion Information Images and Convolutional Neural Networks. IEEE Access, 2020, 8, 80408-80416.	2.6	48
3	Shape classification via image-based multiscale description. Pattern Recognition, 2011, 44, 2134-2146.	5.1	25
4	Abnormal crowd behavior detection using novel optical flow-based features. , 2017, , .		25
5	Team Activity Recognition in Sports. Lecture Notes in Computer Science, 2012, , 69-83.	1.0	25
6	A novel framework and concept-based semantic search Interface for abnormal crowd behaviour analysis in surveillance videos. Multimedia Tools and Applications, 2020, 79, 17579-17617.	2.6	18
7	On Using Physical Analogies for Feature and Shape Extraction in Computer Vision. Computer Journal, 2011, 54, 11-25.	1.5	16
8	On Using Anisotropic Diffusion for Skeleton Extraction. International Journal of Computer Vision, 2012, 100, 170-189.	10.9	13
9	Player detection in field sports. Machine Vision and Applications, 2018, 29, 187-206.	1.7	13
10	An information retrieval approach to identifying infrequent events in surveillance video. , 2013, , .		12
11	Action recognition based on sparse motion trajectories. , 2013, , .		12
12	Hybrid deep learning models for multivariate forecasting of global horizontal irradiation. Neural Computing and Applications, 2022, 34, 8005-8026.	3.2	12
13	Moving-edge detection via heat flow analogy. Pattern Recognition Letters, 2011, 32, 270-279.	2.6	11
14	Shape classification using multiscale Fourier-based description in 2-D space. , 2008, , .		9
15	Semantic annotation of surveillance videos for abnormal crowd behaviour search and analysis. , 2017, , .		9
16	Temporal segmentation and recognition of team activities in sports. Machine Vision and Applications, 2018, 29, 891-913.	1.7	9
17	Shape Extraction Via Heat Flow Analogy. , 2007, , 553-564.		9
18	A survey of deep learning methods for multiple sclerosis identification using brain MRI images. Neural Computing and Applications, 2022, 34, 7349-7373.	3.2	9

#	Article	IF	Citations
19	Image-Based Multiscale Shape Description Using Gaussian Filter. , 2008, , .		6
20	Evaluation of Image Representations for Player Detection in Field Sports Using Convolutional Neural Networks. Advances in Intelligent Systems and Computing, 2019, , 107-115.	0.5	6
21	Review and evaluation of player detection methods in field sports. Multimedia Tools and Applications, 2023, 82, 13141-13165.	2.6	5
22	Low Level Moving-Feature Extraction Via Heat Flow Analogy. Lecture Notes in Computer Science, 2006, , 243-252.	1.0	5
23	Interactive surveillance event detection at TRECVid2012. , 2013, , .		4
24	Sea Turtle Detection Using Faster R-CNN for Conservation Purpose. Advances in Intelligent Systems and Computing, 2020, , 535-541.	0.5	4
25	Sea Turtle Species Classification for Environmental Research and Conservation. Advances in Intelligent Systems and Computing, 2020, , 580-587.	0.5	4
26	An Evaluation of Local Action Descriptors for Human Action Classification in the Presence of Occlusion. Lecture Notes in Computer Science, 2014, , 56-67.	1.0	4
27	Team behavior analysis in sports using the Poisson equation. , 2012, , .		3
28	Skeleton Extraction via Anisotropic Heat Flow. , 2010, , .		2
29	Classification of Harmful Noise Signals for Hearing Aid Applications using Spectrogram Images and Convolutional Neural Networks. , 2020, , .		2
30	Automated shopping system using computer vision. Multimedia Tools and Applications, 2020, 79, 30151-30161.	2.6	1
31	Review of Place Recognition Approaches: Traditional and Deep Learning Methods. Advances in Intelligent Systems and Computing, 2021, , 183-191.	0.5	1
32	On using an analogy to heat flow for shape extraction. Pattern Analysis and Applications, 2013, 16, 125-139.	3.1	0
33	Prediction of Daily Solar Irradiation Using CNN and LSTM Networks. Advances in Intelligent Systems and Computing, 2021, , 230-238.	0.5	0
34	Deep neural network‐based detection of pilgrims location in Holy Makkah. International Journal of Communication Systems, 0, , e4792.	1.6	0
35	LightWeight Deep Convolutional Neural Networks for Vehicle Re-Identification using Diffusion-based Image Masking. , 2021, , .		0
36	Derin Ã–ÄŸrenme TabanlÄ± VÃ¼cut BÃ¶lme ve Gaussian Filtreleme Kullanarak GÃ¶zetim VideolarÄ±nda KiÅŸiyi Yeniden TanÄ±ma. European Journal of Science and Technology, 0, , .	0.5	0