Aykut Erdem

List of Publications by Year
in descending order

58 papers	1,935 citations	623574 14 h-index	377752 34 g-index
59 all docs	59 docs citations	59 times ranked	2075 citing authors

#	ARTICLE	IF	CITATIONS
1	Image Synthesis in Multi-Contrast MRI With Conditional Generative Adversarial Networks. IEEE Transactions on Medical Imaging, 2019, 38, 2375-2388.	5.4	320
2	Visual saliency estimation by nonlinearly integrating features using region covariances. Journal of Vision, 2013, 13, 11-11.	0.1	317
3	The Visual Object Tracking VOT2016 Challenge Results. Lecture Notes in Computer Science, 2016, , 777-823.	1.0	312
4	Structure-preserving image smoothing via region covariances. ACM Transactions on Graphics, 2013, 32, 1-11.	4.9	158
5	Spatio-Temporal Saliency Networks for Dynamic Saliency Prediction. IEEE Transactions on Multimedia, 2018, 20, 1688-1698.	5.2	117
6	The State of the Art in HDR Deghosting: A Survey and Evaluation. Computer Graphics Forum, 2015, 34, 683-707.	1.8	77
7	Disconnected Skeleton: Shape at Its Absolute Scale. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 2188-2203.	9.7	71
8	mustGAN: multi-stream Generative Adversarial Networks for MR Image Synthesis. Medical Image Analysis, 2021, 70, 101944.	7.0	68
9	Deformable part-based tracking by coupled global and local correlation filters. Journal of Visual Communication and Image Representation, 2016, 38, 763-774.	1.7	67
10	An Objective Deghosting Quality Metric for HDR Images. Computer Graphics Forum, 2016, 35, 139-152.	1.8	52
11	Image Matting with KL-Divergence Based Sparse Sampling. , 2015, , .		51
12	Graph Transduction as a Noncooperative Game. Neural Computation, 2012, 24, 700-723.	1.3	36
13	The Thermal Infrared Visual Object Tracking VOT-TIR2016 Challenge Results. Lecture Notes in Computer Science, 2016, , 824-849.	1.0	32
14	Alpha Matting With KL-Divergence-Based Sparse Sampling. IEEE Transactions on Image Processing, 2017, 26, 4523-4536.	6.0	27
15	Visual Attention-Driven Spatial Pooling for Image Memorability. , 2013, , .		24
16	Predicting memorability of images using attention-driven spatial pooling and image semantics. Image and Vision Computing, 2015, 42, 35-46.	2.7	18
17	TasvirEt: A benchmark dataset for automatic Turkish description generation from images. , 2016, , .		14
18	Manipulating Attributes of Natural Scenes via Hallucination. ACM Transactions on Graphics, 2020, 39, 1-17.	4.9	14

#	Article	IF	Citations
19	A similarity-based approach for shape classification using Aslan skeletons. Pattern Recognition Letters, 2010, 31, 2024-2032.	2.6	13
20	Feature-Based Efficient Moving Object Detection for Low-Altitude Aerial Platforms. , 2017, , .		13
21	Turkish cuisine: A benchmark dataset with Turkish meals for food recognition. , 2017, , .		11
22	Multiple-Instance Learning with Instance Selection via Dominant Sets. Lecture Notes in Computer Science, 2011, , 177-191.	1.0	11
23	Computer vision based mouse. , 2002, , .		10
24	Using synthetic data for person tracking under adverse weather conditions. Image and Vision Computing, 2021, 111, 104187.	2.7	10
25	A comparative study for feature integration strategies in dynamic saliency estimation. Signal Processing: Image Communication, 2017, 51, 13-25.	1.8	9
26	Data‐driven image captioning via salient region discovery. IET Computer Vision, 2017, 11, 398-406.	1.3	8
27	Leveraging semantic saliency maps for query-specific video summarization. Multimedia Tools and Applications, 2022, 81, 17457-17482.	2.6	8
28	Leveraging auxiliary image descriptions for dense video captioning. Pattern Recognition Letters, 2021, 146, 70-76.	2.6	7
29	Burst Photography for Learning to Enhance Extremely Dark Images. IEEE Transactions on Image Processing, 2021, 30, 9372-9385.	6.0	7
30	NOVA: Rendering Virtual Worlds with Humans for Computer Vision Tasks. Computer Graphics Forum, 2021, 40, 258-272.	1.8	6
31	Leveraging Frequency Based Salient Spatial Sound Localization to Improve 360Â° Video Saliency Prediction. , 2021, , .		6
32	Image captioning in Turkish with subword units. , 2018, , .		5
33	MSVD-Turkish: A Large-Scale Dataset for Video Captioning in Turkish. , 2019, , .		4
34	Joint Exploitation of Features and Optical Flow for Real-Time Moving Object Detection on Drones. Lecture Notes in Computer Science, 2019, , 100-116.	1.0	4
35	Generating visual story graphs with application to photo album summarization. Signal Processing: Image Communication, 2021, 90, 116033.	1.8	3
36	A Gated Fusion Network for Dynamic Saliency Prediction. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 995-1008.	2.6	3

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37	Synthetic18K: Learning better representations for person re-ID and attribute recognition from 1.4 million synthetic images. Signal Processing: Image Communication, 2021, 97, 116335.	1.8	3
38	A Game Theoretic Approach to Learning Shape Categories and Contextual Similarities. Lecture Notes in Computer Science, 2010, , 139-148.	1.0	3
39	Graph Transduction as a Non-cooperative Game. Lecture Notes in Computer Science, 2011, , 195-204.	1.0	3
40	Data-driven image captioning with meta-class based retrieval. , 2014, , .		2
41	MSVD-Turkish: a comprehensive multimodal video dataset for integrated vision and language research in Turkish. Machine Translation, 2021, 35, 265-288.	1.3	2
42	Vision-based continuous Graffitiâ„¢-like text entry system. Optical Engineering, 2004, 43, 553.	0.5	1
43	Evaluating deghosting algorithms for HDR images. , 2014, , .		1
44	Image colorization via dense correspondences. , 2014, , .		1
45	City Scale Image Geolocalization via Dense Scene Alignment. , 2015, , .		1
46	Clustering motion trajectories via dominant sets. , 2016, , .		1
47	From Noon to Sunset: Interactive Rendering, Relighting, and Recolouring of Landscape Photographs by Modifying Solar Position. Computer Graphics Forum, 2021, 40, 500-515.	1.8	1
48	Revisiting milis multiple instance learning algorithm with a different instance selection mechanism. , 2012, , .		0
49	Group sparsity based sparse coding for region covariances. , 2013, , .		0
50	Visual saliency guided exposure fusion. , 2014, , .		0
51	Summarizing personal image collections with intrinsic properties. , 2016, , .		0
52	Dominant sets based analysis of human crowds. , 2016, , .		0
53	Finding location of a photograph with deep learning. , 2018, , .		0
54	Generating person images based on attributes. , 2018, , .		0

#	Article	IF	Citations
55	A Comparative Analysis of Practices in Training Deep Models for Fashion Attribute Detection. , 2019, , .		0
56	Hedging static saliency models to predict dynamic saliency. Signal Processing: Image Communication, 2020, 81, 115694.	1.8	0
57	Coarse-to-Fine Matching of Shapes Using Disconnected Skeletons by Learning Class-Specific Boundary Deformations. Lecture Notes in Computer Science, 2009, , 21-30.	1.0	0
58	Adjusting transient attributes of outdoor images using generative adversarial networks. , 2017, , .		0