Fatih Porikli

List of Publications by Year
in descending order

68 papers	5,272 citations	236833 25 h-index	197736 49 g-index
68 all docs	68 docs citations	68 times ranked	4150 citing authors

#	Article	IF	Citations
1	Pedestrian Detection via Classification on Riemannian Manifolds. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 1713-1727.	9.7	806
2	Underwater scene prior inspired deep underwater image and video enhancement. Pattern Recognition, 2020, 98, 107038.	5.1	465
3	A Novel Performance Evaluation Methodology for Single-Target Trackers. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 2137-2155.	9.7	439
4	Saliency-Aware Video Object Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 20-33.	9.7	376
5	Saliency-aware geodesic video object segmentation. , 2015, , .		312
6	DeepTrack: Learning Discriminative Feature Representations Online for Robust Visual Tracking. IEEE Transactions on Image Processing, 2016, 25, 1834-1848.	6.0	198
7	Beyond Local Search: Tracking Objects Everywhere with Instance-Specific Proposals. , 2016, , .		161
8	Quadruplet Network With One-Shot Learning for Fast Visual Object Tracking. IEEE Transactions on Image Processing, 2019, 28, 3516-3527.	6.0	155
9	The Visual Object Tracking VOT2013 Challenge Results. , 2013, , .		154
10	Ultra-Resolving Face Images by Discriminative Generative Networks. Lecture Notes in Computer Science, 2016, , 318-333.	1.0	144
11	Robust Video Object Cosegmentation. IEEE Transactions on Image Processing, 2015, 24, 3137-3148.	6.0	124
12	Semi-Supervised Video Object Segmentation with Super-Trajectories. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 985-998.	9.7	123
13	Dynamical Hyperparameter Optimization via Deep Reinforcement Learning in Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1515-1529.	9.7	122
14	Face Super-Resolution Guided by Facial Component Heatmaps. Lecture Notes in Computer Science, 2018, , 219-235.	1.0	121
15	A Unified Approach for Conventional Zero-Shot, Generalized Zero-Shot, and Few-Shot Learning. IEEE Transactions on Image Processing, 2018, 27, 5652-5667.	6.0	117
16	Hallucinating Very Low-Resolution Unaligned and Noisy Face Images by Transformative Discriminative Autoencoders. , 2017, , .		100
17	Hyperparameter Optimization for Tracking with Continuous Deep Q-Learning. , 2018, , .		98
18	Video Saliency Detection via Sparsity-Based Reconstruction and Propagation. IEEE Transactions on Image Processing, 2019, 28, 4819-4831.	6.0	77

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19	DeepTrack: Learning Discriminative Feature Representations by Convolutional Neural Networks for Visual Tracking. , 2014, , .		74
20	Higher Order Energies for Image Segmentation. IEEE Transactions on Image Processing, 2017, 26, 4911-4922.	6.0	71
21	Visual Tracking Under Motion Blur. IEEE Transactions on Image Processing, 2016, 25, 5867-5876.	6.0	65
22	CLNet: A Compact Latent Network for Fast Adjusting Siamese Trackers. Lecture Notes in Computer Science, 2020, , 378-395.	1.0	56
23	Feature Affinity-Based Pseudo Labeling for Semi-Supervised Person Re-Identification. IEEE Transactions on Multimedia, 2019, 21, 2891-2902.	5.2	49
24	Robust Object Tracking Using Manifold Regularized Convolutional Neural Networks. IEEE Transactions on Multimedia, 2019, 21, 510-521.	5.2	42
25	Submodular Function Optimization for Motion Clustering and Image Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2637-2649.	7.2	42
26	Zero-Shot Object Detection: Learning to Simultaneously Recognize and Localize Novel Concepts. Lecture Notes in Computer Science, 2019, , 547-563.	1.0	42
27	The Thermal Infrared Visual Object Tracking VOT-TIR2015 Challenge Results. , 2015, , .		41
28	Tensor Decompositions in Wireless Communications and MIMO Radar. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 438-453.	7.3	40
29	Simultaneous Stereo Video Deblurring and Scene Flow Estimation. , 2017, , .		39
30	Zero-Shot Object Detection: Joint Recognition and Localization of Novel Concepts. International Journal of Computer Vision, 2020, 128, 2979-2999.	10.9	34
31	More about VLAD: A leap from Euclidean to Riemannian manifolds. , 2015, , .		32
32	Super-Trajectory for Video Segmentation. , 2017, , .		30
33	Hallucinating Unaligned Face Images by Multiscale Transformative Discriminative Networks. International Journal of Computer Vision, 2020, 128, 500-526.	10.9	30
34	Feature mask network for person re-identification. Pattern Recognition Letters, 2020, 137, 91-98.	2.6	28
35	Linearization to Nonlinear Learning for Visual Tracking. , 2015, , .		27
36	When Correlation Filters Meet Siamese Networks for Real-Time Complementary Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 509-519.	5.6	26

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37	Selective Video Object Cutout. IEEE Transactions on Image Processing, 2017, 26, 5645-5655.	6.0	25
38	Category-Specific Object Image Denoising. IEEE Transactions on Image Processing, 2017, 26, 5506-5518.	6.0	25
39	Imagining the Unimaginable Faces by Deconvolutional Networks. IEEE Transactions on Image Processing, 2018, 27, 2747-2761.	6.0	25
40	Can We See More? Joint Frontalization and Hallucination of Unaligned Tiny Faces. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 2148-2164.	9.7	24
41	Joint Stereo Video Deblurring, Scene Flow Estimation and Moving Object Segmentation. IEEE Transactions on Image Processing, 2020, 29, 1748-1761.	6.0	23
42	Convolutional neural net bagging for online visual tracking. Computer Vision and Image Understanding, 2016, 153, 120-129.	3.0	21
43	End-to-End Feature Integration for Correlation Filter Tracking With Channel Attention. IEEE Signal Processing Letters, 2018, 25, 1815-1819.	2.1	20
44	Image Deblurring with a Class-Specific Prior. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 2112-2130.	9.7	20
45	Scale-Aware Crowd Counting via Depth-Embedded Convolutional Neural Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3651-3662.	5.6	20
46	Robust visual tracking with channel attention and focal loss. Neurocomputing, 2020, 401, 295-307.	3.5	18
47	Semantic Face Hallucination: Super-Resolving Very Low-Resolution Face Images with Supplementary Attributes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 42, 1-1.	9.7	17
48	Optimal Couple Projections for Domain Adaptive Sparse Representation-Based Classification. IEEE Transactions on Image Processing, 2017, 26, 5922-5935.	6.0	16
49	Cost-sensitive joint feature and dictionary learning for face recognition. Neurocomputing, 2020, 391, 177-188.	3.5	16
50	Visual Tracking by Sampling in Part Space. IEEE Transactions on Image Processing, 2017, 26, 5800-5810.	6.0	15
51	Robust Object Tracking by Nonlinear Learning. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4769-4781.	7.2	15
52	Image set classification by symmetric positive semi-definite matrices. , 2016, , .		14
53	No fuss metric learning, a Hilbert space scenario. Pattern Recognition Letters, 2017, 98, 83-89.	2.6	13
54	Real-Time Deep Tracking via Corrective Domain Adaptation. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2600-2612.	5.6	13

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55	Saliency Integration: An Arbitrator Model. IEEE Transactions on Multimedia, 2019, 21, 98-113.	5.2	11
56	Material Classification on Symmetric Positive Definite Manifolds. , 2015, , .		10
57	Integrated deep and shallow networks for salient object detection. , 2017, , .		8
58	Robust and real-time deep tracking via multi-scale domain adaptation. , 2017, , .		8
59	A Comprehensive Look at Coding Techniques on Riemannian Manifolds. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5701-5712.	7.2	8
60	Large-Scale Metric Learning: A Voyage From Shallow to Deep. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4339-4346.	7.2	7
61	Multi-scale salient object detection with pyramid spatial pooling. , 2017, , .		5
62	Deep tracking with objectness. , 2017, , .		5
63	Beyond feature integration: a coarse-to-fine framework for cascade correlation tracking. Machine Vision and Applications, 2019, 30, 519-528.	1.7	5
64	Automatic Refinement Strategies for Manual Initialization of Object Trackers. IEEE Transactions on Image Processing, 2017, 26, 821-835.	6.0	3
65	Breaking video into pieces for action recognition. Multimedia Tools and Applications, 2017, 76, 22195-22212.	2.6	1
66	Guest Editorial Introduction to the Special Issue on Large Scale and Nonlinear Similarity Learning for Intelligent Video Analysis. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2441-2448.	5.6	1
67	Introduction to the Special Issue on Tensor Decomposition for Signal Processing and Machine Learning. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 433-437.	7.3	0
68	Guidance Through Surrogate: Toward a Generic Diagnostic Attack. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 2042-2053.	7.2	0