Quadruplet Network With One-Shot Learning for Fast N

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Citation Report

#	Article	IF	CITATIONS
1	Saliency detection via multi-level integration and multi-scale fusion neural networks. Neurocomputing, 2019, 364, 310-321.	5.9	21
2	Predicting the combustion state of rotary kilns using a Convolutional Recurrent Neural Network. Journal of Process Control, 2019, 84, 207-214.	3.3	18
3	3-D Video Tracking of Multiple Fish in a Water Tank. IEEE Access, 2019, 7, 145049-145059.	4.2	20
4	Discriminative Features for Texture Retrieval Using Wavelet Packets. IEEE Access, 2019, 7, 148882-148896.	4.2	3
5	Deep Neural Networks for CSI-Based Authentication. IEEE Access, 2019, 7, 123026-123034.	4.2	28
6	Building Secure SRAM PUF Key Generators on Resource Constrained Devices. , 2019, , .		17
7	Deep photographic style transfer guided by semantic correspondence. Multimedia Tools and Applications, 2019, 78, 34649-34672.	3.9	4
8	Towards Bridging Semantic Gap to Improve Semantic Segmentation. , 2019, , .		74
9	FAMN: Feature Aggregation Multipath Network for Small Traffic Sign Detection. IEEE Access, 2019, 7, 178798-178810.	4.2	14
10	The Use of Data Mining Methods for the Prediction of Dementia: Evidence From the English Longitudinal Study of Aging. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 345-353.	6.3	13
11	Motion-Aware Rapid Video Saliency Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4887-4898.	8.3	28
12	Visual Object Tracking by Hierarchical Attention Siamese Network. IEEE Transactions on Cybernetics, 2020, 50, 3068-3080.	9.5	113
13	Image Super-Resolution as a Defense Against Adversarial Attacks. IEEE Transactions on Image Processing, 2020, 29, 1711-1724.	9.8	83
14	Video salient object detection via spatiotemporal attention neural networks. Neurocomputing, 2020, 377, 27-37.	5.9	13
15	Learning semantic dependencies with channel correlation for multi-label classification. Visual Computer, 2020, 36, 1325-1335.	3.5	5
16	Improved Robust Video Saliency Detection Based on Long-Term Spatial-Temporal Information. IEEE Transactions on Image Processing, 2020, 29, 1090-1100.	9.8	73
17	Saliency Boosting: a novel framework to refine salient object detection. Artificial Intelligence Review, 2020, 53, 3731-3772.	15.7	2
18	Integrating manifold ranking with boundary expansion and corners clustering for saliency detection of home scene. Neurocomputing, 2020, 379, 182-196.	5.9	4

#	Article	IF	Citations
19	Deep layer guided network for salient object detection. Neurocomputing, 2020, 372, 55-63.	5.9	21
20	Manifold Siamese Network: A Novel Visual Tracking ConvNet for Autonomous Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1612-1623.	8.0	33
21	A structure-guided approach to the prediction of natural image saliency. Neurocomputing, 2020, 378, 441-454.	5.9	4
22	Dual Intercommunication Network: Enabling Interhemispheric Communications in Hemisphere-Inspired ANNs. IEEE Access, 2020, 8, 526-534.	4.2	2
23	Semi-Supervised Malware Clustering Based on the Weight of Bytecode and API. IEEE Access, 2020, 8, 2313-2326.	4.2	6
24	Superpixels extracted via region fusion with boundary constraint. Journal of Visual Communication and Image Representation, 2020, 66, 102743.	2.8	4
25	Adaptive forward vehicle collision warning based on driving behavior. Neurocomputing, 2020, 408, 64-71.	5.9	20
26	SIST: Online Scale-Adaptive Object tracking with Stepwise Insight. Neurocomputing, 2020, 384, 200-212.	5.9	5
27	Traffic scene semantic segmentation using self-attention mechanism and bi-directional GRU to correlate context. Neurocomputing, 2020, 386, 293-304.	5.9	21
28	Improving Night-Time Pedestrian Retrieval With Distribution Alignment and Contextual Distance. IEEE Transactions on Industrial Informatics, 2020, 16, 615-624.	11.3	29
29	Local Semantic Siamese Networks for Fast Tracking. IEEE Transactions on Image Processing, 2020, 29, 3351-3364.	9.8	108
30	MeMu: Metric correlation Siamese network and multi-class negative sampling for visual tracking. Pattern Recognition, 2020, 100, 107170.	8.1	16
31	Three-step action search networks with deep Q-learning for real-time object tracking. Pattern Recognition, 2020, 101, 107188.	8.1	18
32	Multiple people tracking with articulation detection and stitching strategy. Neurocomputing, 2020, 386, 18-29.	5.9	16
33	Object-adaptive LSTM network for real-time visual tracking with adversarial data augmentation. Neurocomputing, 2020, 384, 67-83.	5.9	16
34	Weakly supervised deep network for spatiotemporal localization and detection of human actions in wild conditions. Visual Computer, 2020, 36, 1809-1821.	3.5	7
35	Hierarchical Multimodal Adaptive Fusion (HMAF) Network for Prediction of RGB-D Saliency. Computational Intelligence and Neuroscience, 2020, 2020, 1-9.	1.7	2
36	Learning Deep Multi-Level Similarity for Thermal Infrared Object Tracking. IEEE Transactions on Multimedia, 2021, 23, 2114-2126.	7.2	101

TION RE

#	Article	IF	CITATIONS
37	Multi-attention deep reinforcement learning and re-ranking for vehicle re-identification. Neurocomputing, 2020, 414, 27-35.	5.9	7
38	Joint Representation Learning with Deep Quadruplet Network for Real-Time Visual Tracking. , 2020, , .		4
39	Accurate Long-Term Multiple People Tracking Using Video and Body-Worn IMUs. IEEE Transactions on Image Processing, 2020, 29, 8476-8489.	9.8	8
40	Partial Matching of Large Scale Process Plant Models Using Random Walk on Graphs. IEEE Access, 2020, 8, 201109-201119.	4.2	Ο
41	Visual Object Multimodality Tracking Based on Correlation Filters for Edge Computing. Security and Communication Networks, 2020, 2020, 1-13.	1.5	0
42	CACNet: Salient object detection via context aggregation and contrast embedding. Neurocomputing, 2020, 403, 33-44.	5.9	13
43	Semisupervised Consistent Projection Metric Learning for Person Reidentification. IEEE Transactions on Cybernetics, 2022, 52, 738-747.	9.5	8
44	FoolChecker: A platform to evaluate the robustness of images against adversarial attacks. Neurocomputing, 2020, 412, 216-225.	5.9	6
45	Reducing Estimation Bias via Triplet-Average Deep Deterministic Policy Gradient. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4933-4945.	11.3	34
46	A Novel Data-Driven Tropical Cyclone Track Prediction Model Based on CNN and GRU With Multi-Dimensional Feature Selection. IEEE Access, 2020, 8, 97114-97128.	4.2	27
47	Energy-efficient and damage-recovery slithering gait design for a snake-like robot based on reinforcement learning and inverse reinforcement learning. Neural Networks, 2020, 129, 323-333.	5.9	30
48	MBA: Mini-Batch AUC Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5561-5574.	11.3	10
49	Small Object Augmentation of Urban Scenes for Real-Time Semantic Segmentation. IEEE Transactions on Image Processing, 2020, 29, 5175-5190.	9.8	44
50	Attention shake siamese network with auxiliary relocation branch for visual object tracking. Neurocomputing, 2020, 400, 53-72.	5.9	6
51	Fine-Grained Spatial Alignment Model for Person Re-Identification With Focal Triplet Loss. IEEE Transactions on Image Processing, 2020, 29, 7578-7589.	9.8	60
52	SCNet: Scale-aware coupling-structure network for efficient video object detection. Neurocomputing, 2020, 404, 283-293.	5.9	5
53	PoSeg: Pose-Aware Refinement Network for Human Instance Segmentation. IEEE Access, 2020, 8, 15007-15016.	4.2	7
54	Transfer Correlation Between Textual Content to Images for Sentiment Analysis. IEEE Access, 2020, 8, 35276-35289.	4.2	14

#	Article	IF	CITATIONS
55	Flexible Printed Circuit Fracture Detection Based on Hypothesis Testing Strategy. IEEE Access, 2020, 8, 24457-24470.	4.2	5
56	Uncertain motion tracking based on convolutional net with semantics estimation and region proposals. Pattern Recognition, 2020, 102, 107232.	8.1	15
57	Deep neural network based Rider-Cuckoo Search Algorithm for plant disease detection. Artificial Intelligence Review, 2020, 53, 4993-5018.	15.7	55
58	Online tracking of ants based on deep association metrics: method, dataset and evaluation. Pattern Recognition, 2020, 103, 107233.	8.1	18
59	Siamese capsule networks with global and local features for text classification. Neurocomputing, 2020, 390, 88-98.	5.9	39
60	Recurrent reverse attention guided residual learning for saliency object detection. Neurocomputing, 2020, 389, 170-178.	5.9	16
61	CGAN-TM: A Novel Domain-to-Domain Transferring Method for Person Re-Identification. IEEE Transactions on Image Processing, 2020, 29, 5641-5651.	9.8	27
62	Gaze Estimation by Exploring Two-Eye Asymmetry. IEEE Transactions on Image Processing, 2020, 29, 5259-5272.	9.8	89
63	Robust visual tracking by embedding combination and weighted-gradient optimization. Pattern Recognition, 2020, 104, 107339.	8.1	3
64	Partial tracking method based on siamese network. Visual Computer, 2021, 37, 587-601.	3.5	5
65	\$\$hbox {C}^{2}\$\$Net: a complementary co-saliency detection network. Visual Computer, 2021, 37, 911-923.	3.5	5
66	OSCD: A one-shot conditional object detection framework. Neurocomputing, 2021, 425, 243-255.	5.9	15
67	Visible-Infrared Person Re-Identification via Homogeneous Augmented Tri-Modal Learning. IEEE Transactions on Information Forensics and Security, 2021, 16, 728-739.	6.9	162
68	Parametric rectified nonlinear unit (PRenu) for convolution neural networks. Signal, Image and Video Processing, 2021, 15, 241-246.	2.7	10
69	Toward Multi-Modal Conditioned Fashion Image Translation. IEEE Transactions on Multimedia, 2021, 23, 2361-2371.	7.2	13
70	Video person re-identification with global statistic pooling and self-attention distillation. Neurocomputing, 2021, 453, 777-789.	5.9	8
71	A lite convolutional neural network built on permuted Xceptio-inception and Xceptio-reduction modules for texture based facial liveness recognition. Multimedia Tools and Applications, 2021, 80, 10441-10472.	3.9	6
72	Image guidance based 3D vehicle detection in traffic scene. Neurocomputing, 2021, 428, 1-11.	5.9	14

#	Article	IF	CITATIONS
73	Push for Center Learning via Orthogonalization and Subspace Masking for Person Re-Identification. IEEE Transactions on Image Processing, 2021, 30, 907-920.	9.8	8
74	Robust visual tracking via spatio-temporal adaptive and channel selective correlation filters. Pattern Recognition, 2021, 112, 107738.	8.1	17
75	Hybrid-Attention Enhanced Two-Stream Fusion Network for Video Venue Prediction. IEEE Transactions on Multimedia, 2021, 23, 2917-2929.	7.2	2
76	Instance-vote-based motion detection using spatially extended hybrid feature space. Visual Computer, 2021, 37, 1527-1543.	3.5	6
77	Tea leaf disease detection using multi-objective image segmentation. Multimedia Tools and Applications, 2021, 80, 753-771.	3.9	56
78	Dual-template adaptive correlation filter for real-time object tracking. Multimedia Tools and Applications, 2021, 80, 2355-2376.	3.9	8
79	Adaptive Region Proposal With Channel Regularization for Robust Object Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1268-1282.	8.3	60
80	Dynamical Hyperparameter Optimization via Deep Reinforcement Learning in Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1515-1529.	13.9	122
81	Multiple answers to a question: a new approach for visual question answering. Visual Computer, 2021, 37, 119-131.	3.5	9
82	Neuron Linear Transformation: Modeling the Domain Shift for Crowd Counting. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3238-3250.	11.3	28
83	MSB-FCN: Multi-Scale Bidirectional FCN for Object Skeleton Extraction. IEEE Transactions on Image Processing, 2021, 30, 2301-2312.	9.8	12
84	Defense Against Adversarial Attacks by Reconstructing Images. IEEE Transactions on Image Processing, 2021, 30, 6117-6129.	9.8	21
85	Exploring the Effects of Blur and Deblurring to Visual Object Tracking. IEEE Transactions on Image Processing, 2021, 30, 1812-1824.	9.8	35
86	Robust Visual Tracking via Multitask Sparse Correlation Filters Learning. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 502-515.	11.3	3
87	Hybrid neural network model for large-scale heterogeneous classification tasks in few-shot learning. Visual Computer, 2022, 38, 719-728.	3.5	2
88	An Empirical Review of Deep Learning Frameworks for Change Detection: Model Design, Experimental Frameworks, Challenges and Research Needs. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6101-6122.	8.0	42
89	Real-time object tracking based on sparse representation and adaptive particle drawing. Visual Computer, 2022, 38, 849-869.	3.5	5
90	DTR-HAR: deep temporal residual representation for human activity recognition. Visual Computer, 2022, 38, 993-1013.	3.5	20

#	Article	IF	CITATIONS
91	Cross-modal image sentiment analysis via deep correlation of textual semantic. Knowledge-Based Systems, 2021, 216, 106803.	7.1	19
92	A Robust Quadruplet and Faster Region-Based CNN for UAV Video-Based Multiple Object Tracking in Crowded Environment. Electronics (Switzerland), 2021, 10, 795.	3.1	10
93	Spatial-temporal channel-wise attention network for action recognition. Multimedia Tools and Applications, 2021, 80, 21789-21808.	3.9	2
94	CSART: Channel and spatial attention-guided residual learning for real-time object tracking. Neurocomputing, 2021, 436, 260-272.	5.9	28
95	No-reference omnidirectional video quality assessment based on generative adversarial networks. Multimedia Tools and Applications, 2021, 80, 27531-27552.	3.9	4
96	Learning adaptive updating siamese network for visual tracking. Multimedia Tools and Applications, 2021, 80, 29849-29873.	3.9	2
97	Aberrance suppressed spatio-temporal correlation filters for visual object tracking. Pattern Recognition, 2021, 115, 107922.	8.1	32
98	AEVRNet: Adaptive exploration network with variance reduced optimization for visual tracking. Neurocomputing, 2021, 449, 48-60.	5.9	3
99	Enhancing object detection for autonomous driving by optimizing anchor generation and addressing class imbalance. Neurocomputing, 2021, 449, 229-244.	5.9	29
100	Recent advances of single-object tracking methods: A brief survey. Neurocomputing, 2021, 455, 1-11.	5.9	36
101	Towards accurate estimation for visual object tracking with multi-hierarchy feature aggregation. Neurocomputing, 2021, 451, 252-264.	5.9	2
102	Learning spatial-channel regularization jointly with correlation filter for visual tracking. Neurocomputing, 2021, 453, 839-852.	5.9	1
103	Discriminative Feature Learning for Thorax Disease Classification in Chest X-ray Images. IEEE Transactions on Image Processing, 2021, 30, 2476-2487.	9.8	27
104	Identifying Visible Parts via Pose Estimation for Occluded Person Re-Identification. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4624-4634.	11.3	45
105	Understanding and Exploiting Dependent Variables with Deep Metric Learning. Advances in Intelligent Systems and Computing, 2021, , 97-113.	0.6	2
106	Deep Learning From Spatio-Temporal Data Using Orthogonal Regularizaion Residual CNN for Air Prediction. IEEE Access, 2020, 8, 66037-66047.	4.2	17
107	Omnisupervised Omnidirectional Semantic Segmentation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1184-1199.	8.0	23
108	Modeling for Tracking Micro Gap Weld Based on Magneto-Optical Sensing and Kalman Filtering. IEEE Sensors Journal, 2021, 21, 11598-11614.	4.7	8

		CITATION REPORT		
#	Article		IF	CITATIONS
109	Capturing Relevant Context for Visual Tracking. IEEE Transactions on Multimedia, 202	1, 23, 4232-4244.	7.2	9
110	A Progressive Review: Emerging Technologies for ADAS Driven Solutions. IEEE Transact Intelligent Vehicles, 2022, 7, 326-341.	tions on	12.7	40
111	Rotation Equivariant Siamese Networks for Tracking. , 2021, , .			24
112	Learning to Fuse Asymmetric Feature Maps in Siamese Trackers. , 2021, , .			51
113	Distilled Siamese Networks for Visual Tracking. IEEE Transactions on Pattern Analysis a Intelligence, 2022, 44, 8896-8909.	nd Machine	13.9	61
114	Two-Branch Attention Network via Efficient Semantic Coupling for One-Shot Learning. Transactions on Image Processing, 2022, 31, 341-351.	IEEE	9.8	3
115	Siamese Implicit Region Proposal Network With Compound Attention for Visual Tracki Transactions on Image Processing, 2022, 31, 1882-1894.	ng. IEEE	9.8	19
116	Distribution probabilityâ€based selfâ€adaption metric learning for person reâ€identific Vision, 2022, 16, 376-387.	ation. IET Computer	2.0	2
117	Accurate visual representation learning for single object tracking. Multimedia Tools an Applications, 2022, 81, 24059-24079.	d	3.9	2
118	IMSiam: IoU-aware Matching-adaptive Siamese network for object tracking. Neurocom 222-233.	puting, 2022, 492,	5.9	7
119	DeSa COVID-19: Deep salient COVID-19 image-based quality assessment. Journal of Kin Computer and Information Sciences, 2021, , .	ng Saud University -	3.9	0
120	Robust RGB-T Tracking via Graph Attention-Based Bilinear Pooling. IEEE Transactions o Networks and Learning Systems, 2023, 34, 9900-9911.	n Neural	11.3	8
121	Task Adaptive Siamese Neural Networks for Open-Set Recognition of Encrypted Netwo Bidirectional Dropout. Pattern Recognition Letters, 2022, , .	ork Traffic With	4.2	0
122	Multimodal-aware weakly supervised metric learning with self-weighting triplet loss. M Tools and Applications, 0, , .	ultimedia	3.9	0
123	UAV Landing Platform Recognition Using Cognitive Computation Combining Geometr Computer Vision Techniques. Cognitive Computation, 2023, 15, 392-412.	ic Analysis and	5.2	2
124	A survey of moving object detection methods: A practical perspective. Neurocomputin 28-48.	g, 2022, 503,	5.9	12
125	Video key frame extraction based on scale and direction analysis. Journal of Engineerin 910-918.	g, 2022, 2022,	1.1	3
126	GreedyFool: Multi-factor imperceptibility and its application to designing a black-box a attack. Information Sciences, 2022, 613, 717-730.	dversarial	6.9	4

#	Article	IF	CITATIONS
127	Siamese-Based Twin Attention Network for Visual Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 847-860.	8.3	5
128	Beyond Greedy Search: Tracking by Multi-Agent Reinforcement Learning-Based Beam Search. IEEE Transactions on Image Processing, 2022, 31, 6239-6254.	9.8	9
129	A Survey on Siamese Network: Methodologies, Applications, and Opportunities. IEEE Transactions on Artificial Intelligence, 2022, 3, 994-1014.	4.7	11
130	Multi-Level Representation Learning with Semantic Alignment for Referring Video Object Segmentation. , 2022, , .		17
131	A Classification Method for Electronic Components Based on Siamese Network. Sensors, 2022, 22, 6478.	3.8	4
132	Semi-supervised LDA pedestrian re-identification algorithm based on K-nearest neighbor resampling. Journal of Intelligent and Fuzzy Systems, 2022, , 1-12.	1.4	0
133	A Closer Look at the Joint Training of Object Detection and Re-Identification in Multi-Object Tracking. IEEE Transactions on Image Processing, 2023, 32, 267-280.	9.8	5
134	Adaptive Siamese Tracking with a Compact Latent Network. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-15.	13.9	6
135	Part-Aware Framework for Robust Object Tracking. IEEE Transactions on Image Processing, 2023, 32, 750-763.	9.8	6
136	An IoU-aware Siamese network for real-time visual tracking. Neurocomputing, 2023, 527, 13-26.	5.9	2
137	Siamese residual network for efficient visual tracking. Information Sciences, 2023, 624, 606-623.	6.9	10
138	CenterTube: Tracking Multiple 3D Objects With 4D Tubelets in Dynamic Point Clouds. IEEE Transactions on Multimedia, 2023, 25, 8793-8804.	7.2	3
139	Differential Reinforcement and Global Collaboration Network for RGBT Tracking. IEEE Sensors Journal, 2023, 23, 7301-7311.	4.7	5
140	Toward Robust Visual Object Tracking With Independent Target-Agnostic Detection and Effective Siamese Cross-Task Interaction. IEEE Transactions on Image Processing, 2023, 32, 1541-1554.	9.8	14
141	Multi-Object Tracking: Decoupling Features to Solve the Contradictory Dilemma of Feature Requirements. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 5117-5132.	8.3	4
142	Joint Correlation and Attention Based Feature Fusion Network for Accurate Visual Tracking. IEEE Transactions on Image Processing, 2023, 32, 1705-1715.	9.8	3
143	CatTrack: Single-Stage Category-Level 6D Object Pose Tracking via Convolution and Vision Transformer. IEEE Transactions on Multimedia, 2024, 26, 1665-1680.	7.2	0
144	CAMO-MOT: Combined Appearance-Motion Optimization for 3D Multi-Object Tracking With Camera-LiDAR Fusion. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 11981-11996.	8.0	4

#	Article	IF	CITATIONS
145	Decode-MOT: How Can We Hurdle Frames to Go Beyond Tracking-by-Detection?. IEEE Transactions on Image Processing, 2023, 32, 4378-4392.	9.8	3
146	Learning Multi-Layer Attention Aggregation Siamese Network for Robust RGBT Tracking. IEEE Transactions on Multimedia, 2024, 26, 3378-3391.	7.2	1
147	Single Object Tracking in Satellite Videos Based on Feature Enhancement and Multi-Level Matching Strategy. Remote Sensing, 2023, 15, 4351.	4.0	2
148	Siamese Multi-Scale Adaptive Search Network for Remote Sensing Single-Object Tracking. Remote Sensing, 2023, 15, 4359.	4.0	0
149	Correlation Pyramid Network for 3D Single Object Tracking. , 2023, , .		1
150	VisEvent: Reliable Object Tracking via Collaboration of Frame and Event Flows. IEEE Transactions on Cybernetics, 2024, 54, 1997-2010.	9.5	2
151	MAEDefense: An Effective Masked AutoEncoder Defense against Adversarial Attacks. , 2023, , .		0
152	STransLOT: splitting-refusion transformer for low-light object tracking. Multimedia Tools and Applications, 0, , .	3.9	0
153	Synchronize Feature Extracting and Matching: A Single Branch Framework for 3D Object Tracking. , 2023, , .		0
154	A Semantic Tree-Based Fast-Moving Object Trajectory Tracking Algorithm for Table Tennis. International Journal on Semantic Web and Information Systems, 2024, 20, 1-17.	5.1	0
155	A Novel Center-Boundary Metric Loss to Learn Discriminative Features for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-16.	6.3	0