

Songyuan Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8628241/publications.pdf>

Version: 2024-02-01

145
papers

5,409
citations

201385

27
h-index

133063

59
g-index

145
all docs

145
docs citations

145
times ranked

4715
citing authors

#	ARTICLE	IF	CITATIONS
1	Deeply-Learned Part-Aligned Representations for Person Re-identification. , 2017, , .		536
2	A survey of appearance models in visual object tracking. ACM Transactions on Intelligent Systems and Technology, 2013, 4, 1-48.	2.9	505
3	DeepSaliency: Multi-Task Deep Neural Network Model for Salient Object Detection. IEEE Transactions on Image Processing, 2016, 25, 3919-3930.	6.0	418
4	Deep Air Learning: Interpolation, Prediction, and Feature Analysis of Fine-Grained Air Quality. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 2285-2297.	4.0	192
5	Ultra Fast Structure-Aware Deep Lane Detection. Lecture Notes in Computer Science, 2020, , 276-291.	1.0	180
6	Incremental Tensor Subspace Learning and Its Applications to Foreground Segmentation and Tracking. International Journal of Computer Vision, 2011, 91, 303-327.	10.9	176
7	Single and Multiple Object Tracking Using Log-Euclidean Riemannian Subspace and Block-Division Appearance Model. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 2420-2440.	9.7	172
8	Spatio-Temporal Graph Routing for Skeleton-Based Action Recognition. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8561-8568.	3.6	167
9	Contextual Hypergraph Modeling for Salient Object Detection. , 2013, , .		148
10	Deep RGB-D Saliency Detection with Depth-Sensitive Attention and Automatic Multi-Modal Fusion. , 2021, , .		115
11	Deep Q Learning Driven CT Pancreas Segmentation With Geometry-Aware U-Net. IEEE Transactions on Medical Imaging, 2019, 38, 1971-1980.	5.4	105
12	Body Structure Aware Deep Crowd Counting. IEEE Transactions on Image Processing, 2018, 27, 1049-1059.	6.0	99
13	A Survey on Generative Adversarial Networks: Variants, Applications, and Training. ACM Computing Surveys, 2022, 54, 1-49.	16.1	98
14	An Incremental DPMM-Based Method for Trajectory Clustering, Modeling, and Retrieval. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 1051-1065.	9.7	92
15	Robust Visual Tracking Based on Incremental Tensor Subspace Learning. , 2007, , .		86
16	Incremental Learning of 3D-DCT Compact Representations for Robust Visual Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 863-881.	9.7	82
17	Visual Tracking With Spatio-Temporal Dempster-Shafer Information Fusion. IEEE Transactions on Image Processing, 2013, 22, 3028-3040.	6.0	78
18	Data-Dependent Label Distribution Learning for Age Estimation. IEEE Transactions on Image Processing, 2017, 26, 3846-3858.	6.0	72

#	ARTICLE	IF	CITATIONS
19	Linear discriminant analysis using rotational invariant L1 norm. Neurocomputing, 2010, 73, 2571-2579.	3.5	71
20	Learning Compact Binary Codes for Visual Tracking. , 2013, , .		64
21	Geometry-Aware Scene Text Detection with Instance Transformation Network. , 2018, , .		62
22	3D R Transform on Spatio-temporal Interest Points for Action Recognition. , 2013, , .		60
23	Sequential particle swarm optimization for visual tracking. , 2008, , .		59
24	Group-wise Deep Co-saliency Detection. , 2017, , .		54
25	Transductive Zero-Shot Learning With a Self-Training Dictionary Approach. IEEE Transactions on Cybernetics, 2018, 48, 2908-2919.	6.2	53
26	A Coarse-to-Fine Strategy for Vehicle Motion Trajectory Clustering. , 2006, , .		50
27	Deep learning driven blockwise moving object detection with binary scene modeling. Neurocomputing, 2015, 168, 454-463.	3.5	49
28	Deep Learning Driven Visual Path Prediction From a Single Image. IEEE Transactions on Image Processing, 2016, 25, 5892-5904.	6.0	48
29	Context-Aware Hypergraph Construction for Robust Spectral Clustering. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 2588-2597.	4.0	47
30	Graph Based Discriminative Learning for Robust and Efficient Object Tracking. , 2007, , .		46
31	Stylized Aesthetic QR Code. IEEE Transactions on Multimedia, 2019, 21, 1960-1970.	5.2	45
32	Deep Attentive Video Summarization With Distribution Consistency Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1765-1775.	7.2	45
33	Heat Kernel Based Local Binary Pattern for Face Representation. IEEE Signal Processing Letters, 2010, 17, 308-311.	2.1	43
34	Visual tracking via incremental Log-Euclidean Riemannian subspace learning. , 2008, , .		42
35	Weakly Supervised Object Detection via Object-Specific Pixel Gradient. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5960-5970.	7.2	42
36	Ranking consistency for image matching and object retrieval. Pattern Recognition, 2014, 47, 1349-1360.	5.1	41

#	ARTICLE	IF	CITATIONS
37	3D Hand Pose Estimation Using Randomized Decision Forest with Segmentation Index Points. , 2015, , .		38
38	Multi-modal Mutual Topic Reinforce Modeling for Cross-media Retrieval. , 2014, , .		34
39	Human Action Recognition under Log-Euclidean Riemannian Metric. Lecture Notes in Computer Science, 2010, , 343-353.	1.0	33
40	Deep Compositional Cross-modal Learning to Rank via Local-Global Alignment. , 2015, , .		32
41	Graph mode-based contextual kernels for robust SVM tracking. , 2011, , .		31
42	GNAS. , 2018, , .		31
43	Cross-Modal Learning to Rank via Latent Joint Representation. IEEE Transactions on Image Processing, 2015, 24, 1497-1509.	6.0	29
44	Deep Group-Wise Fully Convolutional Network for Co-Saliency Detection With Graph Propagation. IEEE Transactions on Image Processing, 2019, 28, 5052-5063.	6.0	28
45	User-Ranking Video Summarization With Multi-Stage Spatio-temporal Representation. IEEE Transactions on Image Processing, 2019, 28, 2654-2664.	6.0	28
46	Learning Multi-Level Density Maps for Crowd Counting. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2705-2715.	7.2	28
47	Semantic Neighborhood-Aware Deep Facial Expression Recognition. IEEE Transactions on Image Processing, 2020, 29, 6535-6548.	6.0	27
48	Ultra Fast Deep Lane Detection With Hybrid Anchor Driven Ordinal Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2024, 46, 2555-2568.	9.7	26
49	Real-Time Driving Scene Semantic Segmentation. IEEE Access, 2020, 8, 36776-36788.	2.6	25
50	Context-Aware Graph Label Propagation Network for Saliency Detection. IEEE Transactions on Image Processing, 2020, 29, 8177-8186.	6.0	23
51	Memory-Efficient Class-Incremental Learning for Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5966-5977.	7.2	23
52	Progressive Blockwise Knowledge Distillation for Neural Network Acceleration. , 2018, , .		23
53	Identifying Objective and Subjective Words via Topic Modeling. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 718-730.	7.2	22
54	ResKD: Residual-Guided Knowledge Distillation. IEEE Transactions on Image Processing, 2021, 30, 4735-4746.	6.0	22

#	ARTICLE	IF	CITATIONS
55	KeyphraseDS: Automatic generation of survey by exploiting keyphrase information. Neurocomputing, 2017, 224, 58-70.	3.5	21
56	Human-Centric Clothing Segmentation via Deformable Semantic Locality-Preserving Network. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4837-4848.	5.6	21
57	Multitask Non-Autoregressive Model for Human Motion Prediction. IEEE Transactions on Image Processing, 2021, 30, 2562-2574.	6.0	21
58	Modeling Geometric-Temporal Context With Directional Pyramid Co-Occurrence for Action Recognition. IEEE Transactions on Image Processing, 2014, 23, 658-672.	6.0	20
59	Online Metric-Weighted Linear Representations for Robust Visual Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 931-950.	9.7	20
60	MgSvF: Multi-Grained Slow versus Fast Framework for Few-Shot Class-Incremental Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2024, 46, 1576-1588.	9.7	20
61	Non-sparse linear representations for visual tracking with online reservoir metric learning. , 2012, , .		19
62	SVD based Kalman particle filter for robust visual tracking. , 2008, , .		18
63	Superpixel-based object class segmentation using conditional random fields. , 2011, , .		18
64	Multimodal Deep Embedding via Hierarchical Grounded Compositional Semantics. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 76-89.	5.6	18
65	Regularized Deep Belief Network for Image Attribute Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1464-1477.	5.6	17
66	Joint Multilabel Classification With Community-Aware Label Graph Learning. IEEE Transactions on Image Processing, 2016, 25, 484-493.	6.0	16
67	Efficient Style-Corpus Constrained Learning for Photorealistic Style Transfer. IEEE Transactions on Image Processing, 2021, 30, 3154-3166.	6.0	15
68	Visual tracking via dynamic tensor analysis with mean update. Neurocomputing, 2011, 74, 3277-3285.	3.5	14
69	Deep Context-Sensitive Facial Landmark Detection With Tree-Structured Modeling. IEEE Transactions on Image Processing, 2018, 27, 2096-2107.	6.0	14
70	Multi-Task Structure-Aware Context Modeling for Robust Keypoint-Based Object Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 915-927.	9.7	14
71	F ³ A-GAN: Facial Flow for Face Animation With Generative Adversarial Networks. IEEE Transactions on Image Processing, 2021, 30, 8658-8670.	6.0	14
72	Condition-Aware Comparison Scheme for Gait Recognition. IEEE Transactions on Image Processing, 2021, 30, 2734-2744.	6.0	14

#	ARTICLE	IF	CITATIONS
73	Efficient Person Search via Expert-Guided Knowledge Distillation. IEEE Transactions on Cybernetics, 2021, 51, 5093-5104.	6.2	12
74	Global Context Assisted Structure-Aware Vehicle Retrieval. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 165-174.	4.7	12
75	TapLab: A Fast Framework for Semantic Video Segmentation Tapping Into Compressed-Domain Knowledge. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 1591-1603.	9.7	12
76	Scalable Linear Visual Feature Learning via Online Parallel Nonnegative Matrix Factorization. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2628-2642.	7.2	11
77	Context-Aware Deep Spatiotemporal Network for Hand Pose Estimation From Depth Images. IEEE Transactions on Cybernetics, 2020, 50, 787-797.	6.2	11
78	Stacked Pooling for Boosting Scale Invariance of Crowd Counting. , 2020, , .		11
79	MGH: Metadata Guided Hypergraph Modeling for Unsupervised Person Re-identification. , 2021, , .		11
80	GroundNet. , 2019, , .		11
81	Multimedia Retrieval via Deep Learning to Rank. IEEE Signal Processing Letters, 2015, 22, 1487-1491.	2.1	10
82	Learning A Superpixel-Driven Speed Function for Level Set Tracking. IEEE Transactions on Cybernetics, 2016, 46, 1498-1510.	6.2	10
83	Multitask Identity-Aware Image Steganography via Minimax Optimization. IEEE Transactions on Image Processing, 2021, 30, 8567-8579.	6.0	10
84	Robust visual tracking via transfer learning. , 2011, , .		9
85	An Improved Hierarchical Dirichlet Process-Hidden Markov Model and Its Application to Trajectory Modeling and Retrieval. International Journal of Computer Vision, 2013, 105, 246-268.	10.9	9
86	Learning Multimodal Neural Network with Ranking Examples. , 2014, , .		9
87	Fusing R Features and Local Features with Context-Aware Kernels for Action Recognition. International Journal of Computer Vision, 2016, 118, 151-171.	10.9	9
88	Context-Based Support Vector Machines for Interconnected Image Annotation. Lecture Notes in Computer Science, 2011, , 214-227.	1.0	9
89	When Video Classification Meets Incremental Classes. , 2021, , .		9
90	AFD-StackGAN: Automatic Mask Generation Network for Face De-Occlusion Using StackGAN. Sensors, 2022, 22, 1747.	2.1	9

#	ARTICLE	IF	CITATIONS
91	Boosting Object Retrieval With Group Queries. IEEE Signal Processing Letters, 2012, 19, 765-768.	2.1	8
92	Robust Visual Tracking Based on an Effective Appearance Model. Lecture Notes in Computer Science, 2008, , 396-408.	1.0	8
93	Human Action Recognition Using Pyramid Vocabulary Tree. Lecture Notes in Computer Science, 2010, , 527-537.	1.0	8
94	Superpixel-driven level set tracking. , 2012, , .		7
95	End-to-End Video Saliency Detection via a Deep Contextual Spatiotemporal Network. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1691-1702.	7.2	7
96	Buffer Filter: A Last-Level Cache Management Policy for CPU-GPGPU Heterogeneous System. , 2015, , .		6
97	Structured Visual Feature Learning for Classification via Supervised Probabilistic Tensor Factorization. IEEE Transactions on Multimedia, 2015, 17, 660-673.	5.2	6
98	Joint Structural Learning to Rank with Deep Linear Feature Learning. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 2756-2769.	4.0	6
99	Learning a Key-Value Memory Co-Attention Matching Network for Person Re-Identification. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 9235-9242.	3.6	6
100	Real-Time Semantic Segmentation via Auto Depth, Downsampling Joint Decision and Feature Aggregation. International Journal of Computer Vision, 2021, 129, 1506-1525.	10.9	6
101	Bias-Eliminated Semantic Refinement for Any-Shot Learning. IEEE Transactions on Image Processing, 2022, 31, 2229-2244.	6.0	6
102	Robust object tracking using a spatial pyramid heat kernel structural information representation. Neurocomputing, 2010, 73, 3179-3190.	3.5	5
103	Detecting Data Hazards in Multi-Processor System-on-Chips on FPGA. , 2012, , .		5
104	Jointly Discovering Fine-grained and Coarse-grained Sentiments via Topic Modeling. , 2014, , .		5
105	Tracking news article evolution by dense subgraph learning. Neurocomputing, 2015, 168, 1076-1084.	3.5	5
106	Learning Bregman Distance Functions for Structural Learning to Rank. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1916-1927.	4.0	5
107	Deep Optical Flow Estimation Via Multi-Scale Correspondence Structure Learning. , 2017, , .		5
108	Knowledge-Guided Agent-Tactic-Aware Learning for StarCraft Micromanagement. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
109	Spatially aware feature selection and weighting for object retrieval. Image and Vision Computing, 2013, 31, 935-948.	2.7	4
110	Graph-theoretic spatiotemporal context modeling for video saliency detection. , 2017, , .		4
111	Progressive Multistage Learning for Discriminative Tracking. IEEE Transactions on Cybernetics, 2022, 52, 3519-3530.	6.2	4
112	What and Where: Learn to Plug Adapters via NAS for Multidomain Learning. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6532-6544.	7.2	4
113	Boosted cannabis image recognition. , 2008, , .		3
114	Adaptive Distributed Intrusion Detection Using Parametric Model. , 2009, , .		3
115	State Distribution-Aware Sampling for Deep Q-Learning. Neural Processing Letters, 2019, 50, 1649-1660.	2.0	3
116	Elastic Knowledge Distillation by Learning From Recollection. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2647-2658.	7.2	3
117	Level set tracking with dynamical shape priors. , 2008, , .		2
118	A boosted semi-supervised learning framework for web page filtering. , 2009, , .		2
119	CaaS: Core as a service realizing hardware services on reconfigurable MPSoCS. , 2012, , .		2
120	Core Affinity Code Block Schedule to Reduce Inter-core Data Synchronization of SpMT. , 2014, , .		2
121	Structural Bregman Distance Functions Learning to Rank with Self-Reinforcement. , 2014, , .		2
122	Dynamic spatio-temporal modeling for example-based human silhouette recovery. Signal Processing, 2015, 110, 27-36.	2.1	2
123	Structure-Aware Slow Feature Analysis for Age Estimation. IEEE Signal Processing Letters, 2016, 23, 1702-1706.	2.1	2
124	A Bilinear Ranking SVM for Knowledge Based Relation Prediction and Classification. IEEE Transactions on Big Data, 2019, 5, 588-600.	4.4	2
125	CoDiNet: Path Distribution Modeling With Consistency and Diversity for Dynamic Routing. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 6011-6023.	9.7	2
126	Corner Detection of Contour Images using Spectral Clustering. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
127	Customizable Instance-Driven Webpage Filtering Based on Semi-Supervised Learning. , 2007, , .		1
128	Distributed detection of network intrusions based on a parametric model. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	1
129	Adaptive human silhouette reconstruction based on the exploration of temporal information. , 2012, , .		1
130	Visual Distance Measures for Object Retrieval. , 2012, , .		1
131	Parallel dataflow execution for sequential programs on reconfigurable hybrid MPSoCs. , 2012, , .		1
132	Aspect Learning for Multimedia Summarization via Nonparametric Bayesian. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 1931-1942.	5.6	1
133	Multi-Way Multi-View Deep Autoencoder for Image Feature Learning with Multi-Level Graph Regularization. , 2020, , .		1
134	Spectral Graph Partitioning Based on a Random Walk Diffusion Similarity Measure. Lecture Notes in Computer Science, 2010, , 667-676.	1.0	1
135	A Fast Detection Method For Polynomial Fitting Lane With Self-attention Module Added. , 2021, , .		1
136	Cross-domain unsupervised pedestrian re-identification based on multi-view decomposition. Multimedia Tools and Applications, 2022, 81, 39387-39408.	2.6	1
137	Multiclass spectral clustering based on discriminant analysis. , 2008, , .		0
138	Segment Model Based Vehicle Motion Analysis. , 2009, , .		0
139	Efficient block-division model for robust multiple object tracking. , 2011, , .		0
140	Shared Write Buffer to Support Data Sharing Among Speculative Multi-threading Cores. , 2015, , .		0
141	Shared Write Buffer to Support Speculative Execution. , 2015, , .		0
142	Joint entityâ€“relation knowledge embedding via cost-sensitive learning. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 1867-1873.	1.5	0
143	Progressive Class-Based Expansion Learning for Image Classification. IEEE Signal Processing Letters, 2021, 28, 1430-1434.	2.1	0
144	Context Based Re-ranking for Object Retrieval. Lecture Notes in Computer Science, 2015, , 196-210.	1.0	0

#	ARTICLE	IF	CITATIONS
145	Epoch-Evolving Gaussian Process Guided Learning for Classification. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 326-337.	7.2	0