

# Songyuan Li

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

128  
papers

3,357  
citations

30  
h-index

55  
g-index

145  
ext. papers

4,349  
ext. citations

6.4  
avg, IF

5.73  
L-index

#	Paper	IF	Citations
128	A Survey on Generative Adversarial Networks: Variants, Applications, and Training. <i>ACM Computing Surveys</i> , <b>2022</b> , 54, 1-49	13.4	16
127	Bias-Eliminated Semantic Refinement for Any-Shot Learning.. <i>IEEE Transactions on Image Processing</i> , <b>2022</b> , PP,	8.7	1
126	Epoch-Evolving Gaussian Process Guided Learning for Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2022</b> , 1-12	10.3	
125	Efficient Person Search via Expert-Guided Knowledge Distillation. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 5093-5104	10.2	3
124	Deep RGB-D Saliency Detection with Depth-Sensitive Attention and Automatic Multi-Modal Fusion <b>2021</b> ,		32
123	MgSvF: Multi-Grained Slow vs. Fast Framework for Few-Shot Class-Incremental Learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2021</b> , PP,	13.3	4
122	When Video Classification Meets Incremental Classes <b>2021</b> ,		4
121	Deep Attentive Video Summarization With Distribution Consistency Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 1765-1775	10.3	12
120	End-to-End Video Saliency Detection via a Deep Contextual Spatiotemporal Network. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , 32, 1691-1702	10.3	3
119	Multitask Non-Autoregressive Model for Human Motion Prediction. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 2562-2574	8.7	4
118	F $\square$ A-GAN: Facial Flow for Face Animation With Generative Adversarial Networks. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 8658-8670	8.7	0
117	Condition-Aware Comparison Scheme for Gait Recognition. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 2734-2744	8.7	2
116	Memory Efficient Class-Incremental Learning for Image Classification. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	6
115	Efficient Style-Corpus Constrained Learning for Photorealistic Style Transfer. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 3154-3166	8.7	6
114	What and Where: Learn to Plug Adapters via NAS for Multidomain Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	3
113	Multitask Identity-Aware Image Steganography via Minimax Optimization. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 8567-8579	8.7	2
112	ResKD: Residual-Guided Knowledge Distillation. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 4735-4746	8.7	5

111	Real-Time Semantic Segmentation via Auto Depth, Downsampling Joint Decision and Feature Aggregation. <i>International Journal of Computer Vision</i> , <b>2021</b> , 129, 1506-1525	10.6	1
110	CoDiNet: Path Distribution Modeling with Consistency and Diversity for Dynamic Routing. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2021</b> , PP,	13.3	1
109	Progressive Class-Based Expansion Learning for Image Classification. <i>IEEE Signal Processing Letters</i> , <b>2021</b> , 28, 1430-1434	3.2	
108	Semantic Neighborhood-Aware Deep Facial Expression Recognition. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> ,	8.7	6
107	Multi-Way Multi-View Deep Autoencoder for Image Feature Learning with Multi-Level Graph Regularization <b>2020</b> ,		1
106	Context-aware Graph Label Propagation Network for Saliency Detection. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> , PP,	8.7	8
105	Real-Time Driving Scene Semantic Segmentation. <i>IEEE Access</i> , <b>2020</b> , 8, 36776-36788	3.5	10
104	Ultra Fast Structure-Aware Deep Lane Detection. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 276-291	0.9	36
103	Human-Centric Clothing Segmentation via Deformable Semantic Locality-Preserving Network. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2020</b> , 30, 4837-4848	6.4	8
102	Global Context Assisted Structure-Aware Vehicle Retrieval. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2020</b> , 1-10	6.1	4
101	TapLab: A Fast Framework for Semantic Video Segmentation Tapping into Compressed-Domain Knowledge. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2020</b> , PP,	13.3	3
100	Progressive Multistage Learning for Discriminative Tracking. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , PP,	10.2	2
99	Context-Aware Deep Spatiotemporal Network for Hand Pose Estimation From Depth Images. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 787-797	10.2	2
98	Learning Multi-Level Density Maps for Crowd Counting. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2020</b> , 31, 2705-2715	10.3	14
97	Spatio-Temporal Graph Routing for Skeleton-Based Action Recognition. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , <b>2019</b> , 33, 8561-8568	5	78
96	Deep Group-wise Fully Convolutional Network for Co-saliency Detection with Graph Propagation. <i>IEEE Transactions on Image Processing</i> , <b>2019</b> ,	8.7	13
95	Deep Q Learning Driven CT Pancreas Segmentation With Geometry-Aware U-Net. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 1971-1980	11.7	55
94	A Bilinear Ranking SVM for Knowledge Based Relation Prediction and Classification. <i>IEEE Transactions on Big Data</i> , <b>2019</b> , 5, 588-600	3.2	2

93	State Distribution-Aware Sampling for Deep Q-Learning. <i>Neural Processing Letters</i> , <b>2019</b> , 50, 1649-1660	2.4	1
92	GroundNet <b>2019</b> ,		6
91	Learning a Key-Value Memory Co-Attention Matching Network for Person Re-Identification. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , <b>2019</b> , 33, 9235-9242	5	2
90	. <i>IEEE Transactions on Multimedia</i> , <b>2019</b> , 21, 1960-1970	6.6	27
89	Multi-Task Structure-Aware Context Modeling for Robust Keypoint-Based Object Tracking. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2019</b> , 41, 915-927	13.3	9
88	Transductive Zero-Shot Learning With a Self-Training Dictionary Approach. <i>IEEE Transactions on Cybernetics</i> , <b>2018</b> ,	10.2	33
87	Weakly Supervised Object Detection via Object-Specific Pixel Gradient. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 5960-5970	10.3	28
86	Deep Context-Sensitive Facial Landmark Detection With Tree-Structured Modeling. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> , 27, 2096-2107	8.7	6
85	Deep Air Learning: Interpolation, Prediction, and Feature Analysis of Fine-Grained Air Quality. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2018</b> , 30, 2285-2297	4.2	114
84	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2018</b> , 28, 76-89	6.4	15
83	Identifying Objective and Subjective Words via Topic Modeling. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 718-730	10.3	14
82	Body Structure Aware Deep Crowd Counting. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> , 27, 1049-1058	8.7	71
81	Progressive Blockwise Knowledge Distillation for Neural Network Acceleration <b>2018</b> ,		10
80	User-Ranking Video Summarization with Multi-Stage Spatio-Temporal Representation. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> ,	8.7	16
79	Geometry-Aware Scene Text Detection with Instance Transformation Network <b>2018</b> ,		42
78	GNAS <b>2018</b> ,		13
77	Regularized Deep Belief Network for Image Attribute Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2017</b> , 27, 1464-1477	6.4	14
76	Learning Bregman Distance Functions for Structural Learning to Rank. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2017</b> , 29, 1916-1927	4.2	3

75	Data-Dependent Label Distribution Learning for Age Estimation. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 3846-3858	8.7	41
74	Joint entityRelation knowledge embedding via cost-sensitive learning. <i>Frontiers of Information Technology and Electronic Engineering</i> , <b>2017</b> , 18, 1867-1873	2.2	
73	KeyphraseDS: Automatic generation of survey by exploiting keyphrase information. <i>Neurocomputing</i> , <b>2017</b> , 224, 58-70	5.4	14
72	Graph-theoretic spatiotemporal context modeling for video saliency detection <b>2017</b> ,		4
71	Deeply-Learned Part-Aligned Representations for Person Re-identification <b>2017</b> ,		367
70	Group-wise Deep Co-saliency Detection <b>2017</b> ,		35
69	Deep Optical Flow Estimation Via Multi-Scale Correspondence Structure Learning <b>2017</b> ,		3
68	Structure-Aware Slow Feature Analysis for Age Estimation. <i>IEEE Signal Processing Letters</i> , <b>2016</b> , 23, 1702-1706	3.2	2
67	Fusing ( $\mathcal{R}$ ) Features and Local Features with Context-Aware Kernels for Action Recognition. <i>International Journal of Computer Vision</i> , <b>2016</b> , 118, 151-171	10.6	7
66	DeepSaliency: Multi-Task Deep Neural Network Model for Salient Object Detection. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 3919-30	8.7	336
65	Aspect Learning for Multimedia Summarization via Nonparametric Bayesian. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2016</b> , 26, 1931-1942	6.4	0
64	Scalable Linear Visual Feature Learning via Online Parallel Nonnegative Matrix Factorization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2016</b> , 27, 2628-2642	10.3	9
63	Learning A Superpixel-Driven Speed Function for Level Set Tracking. <i>IEEE Transactions on Cybernetics</i> , <b>2016</b> , 46, 1498-510	10.2	8
62	Online Metric-Weighted Linear Representations for Robust Visual Tracking. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2016</b> , 38, 931-50	13.3	17
61	Joint Multilabel Classification With Community-Aware Label Graph Learning. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 484-93	8.7	16
60	Deep Learning Driven Visual Path Prediction From a Single Image. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 5892-5904	8.7	36
59	. <i>IEEE Transactions on Multimedia</i> , <b>2015</b> , 17, 660-673	6.6	6
58	Multimedia Retrieval via Deep Learning to Rank. <i>IEEE Signal Processing Letters</i> , <b>2015</b> , 22, 1487-1491	3.2	7

57	Cross-modal learning to rank via latent joint representation. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 1497-509	8.7	22
56	Joint Structural Learning to Rank with Deep Linear Feature Learning. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2015</b> , 27, 2756-2769	4.2	5
55	Deep learning driven blockwise moving object detection with binary scene modeling. <i>Neurocomputing</i> , <b>2015</b> , 168, 454-463	5.4	43
54	Tracking news article evolution by dense subgraph learning. <i>Neurocomputing</i> , <b>2015</b> , 168, 1076-1084	5.4	5
53	Buffer Filter: A Last-Level Cache Management Policy for CPU-GPGPU Heterogeneous System <b>2015</b> ,		6
52	3D Hand Pose Estimation Using Randomized Decision Forest with Segmentation Index Points <b>2015</b> ,		36
51	Dynamic spatio-temporal modeling for example-based human silhouette recovery. <i>Signal Processing</i> , <b>2015</b> , 110, 27-36	4.4	2
50	Deep Compositional Cross-modal Learning to Rank via Local-Global Alignment <b>2015</b> ,		23
49	Context Based Re-ranking for Object Retrieval. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 196-210	0.9	
48	Ranking consistency for image matching and object retrieval. <i>Pattern Recognition</i> , <b>2014</b> , 47, 1349-1360	7.7	37
47	Modeling Geometric-Temporal Context With Directional Pyramid Co-Occurrence for Action Recognition. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 658-72	8.7	15
46	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2014</b> , 26, 2588-2597	4.2	37
45	Jointly Discovering Fine-grained and Coarse-grained Sentiments via Topic Modeling <b>2014</b> ,		4
44	Learning Multimodal Neural Network with Ranking Examples <b>2014</b> ,		6
43	Multi-modal Mutual Topic Reinforce Modeling for Cross-media Retrieval <b>2014</b> ,		31
42	An Improved Hierarchical Dirichlet Process-Hidden Markov Model and Its Application to Trajectory Modeling and Retrieval. <i>International Journal of Computer Vision</i> , <b>2013</b> , 105, 246-268	10.6	5
41	Spatially aware feature selection and weighting for object retrieval. <i>Image and Vision Computing</i> , <b>2013</b> , 31, 935-948	3.7	3
40	3D R Transform on Spatio-temporal Interest Points for Action Recognition <b>2013</b> ,		42

39	Visual tracking with spatio-temporal Dempster-Shafer information fusion. <i>IEEE Transactions on Image Processing</i> , <b>2013</b> , 22, 3028-40	8.7	51
38	A survey of appearance models in visual object tracking. <i>ACM Transactions on Intelligent Systems and Technology</i> , <b>2013</b> , 4, 1-48	8	374
37	Incremental learning of 3D-DCT compact representations for robust visual tracking. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2013</b> , 35, 863-81	13.3	73
36	Learning Compact Binary Codes for Visual Tracking <b>2013</b> ,		51
35	Contextual Hypergraph Modeling for Salient Object Detection <b>2013</b> ,		116
34	An incremental DPMM-based method for trajectory clustering, modeling, and retrieval. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2013</b> , 35, 1051-65	13.3	71
33	Single and multiple object tracking using log-euclidean Riemannian subspace and block-division appearance model. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2012</b> , 34, 2420-40	13.3	113
32	Non-sparse linear representations for visual tracking with online reservoir metric learning <b>2012</b> ,		11
31	Visual Distance Measures for Object Retrieval <b>2012</b> ,		1
30	Parallel dataflow execution for sequential programs on reconfigurable hybrid MPSoCs <b>2012</b> ,		1
29	Detecting Data Hazards in Multi-Processor System-on-Chips on FPGA <b>2012</b> ,		3
28	Superpixel-driven level set tracking <b>2012</b> ,		4
27	CaaS: Core as a service realizing hardware services on reconfigurable MPSoCS <b>2012</b> ,		2
26	Adaptive human silhouette reconstruction based on the exploration of temporal information <b>2012</b> ,		1
25	Boosting Object Retrieval With Group Queries. <i>IEEE Signal Processing Letters</i> , <b>2012</b> , 19, 765-768	3.2	6
24	Visual tracking via dynamic tensor analysis with mean update. <i>Neurocomputing</i> , <b>2011</b> , 74, 3277-3285	5.4	11
23	Incremental Tensor Subspace Learning and Its Applications to Foreground Segmentation and Tracking. <i>International Journal of Computer Vision</i> , <b>2011</b> , 91, 303-327	10.6	127
22	Robust visual tracking via transfer learning <b>2011</b> ,		4

21	Graph mode-based contextual kernels for robust SVM tracking <b>2011</b> ,		28
20	<b>2011</b> ,		11
19	Context-Based Support Vector Machines for Interconnected Image Annotation. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 214-227	0.9	5
18	Human Action Recognition under Log-Euclidean Riemannian Metric. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 343-353	0.9	19
17	Heat Kernel Based Local Binary Pattern for Face Representation. <i>IEEE Signal Processing Letters</i> , <b>2010</b> , 17, 308-311	3.2	30
16	Linear discriminant analysis using rotational invariant L1 norm. <i>Neurocomputing</i> , <b>2010</b> , 73, 2571-2579	5.4	54
15	Robust object tracking using a spatial pyramid heat kernel structural information representation. <i>Neurocomputing</i> , <b>2010</b> , 73, 3179-3190	5.4	3
14	Human Action Recognition Using Pyramid Vocabulary Tree. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 527-537	0.9	3
13	Spectral Graph Partitioning Based on a Random Walk Diffusion Similarity Measure. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 667-676	0.9	
12	A boosted semi-supervised learning framework for web page filtering <b>2009</b> ,		1
11	Adaptive Distributed Intrusion Detection Using Parametric Model <b>2009</b> ,		3
10	Visual tracking via incremental Log-Euclidean Riemannian subspace learning <b>2008</b> ,		20
9	Sequential particle swarm optimization for visual tracking <b>2008</b> ,		10
8	SVD based Kalman particle filter for robust visual tracking <b>2008</b> ,		4
7	Level set tracking with dynamical shape priors <b>2008</b> ,		1
6	Boosted cannabis image recognition <b>2008</b> ,		1
5	Robust Visual Tracking Based on an Effective Appearance Model. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 396-408	0.9	6
4	Graph Based Discriminative Learning for Robust and Efficient Object Tracking <b>2007</b> ,		30



- 3 Robust Visual Tracking Based on Incremental Tensor Subspace Learning **2007**, 70
- 2 A Coarse-to-Fine Strategy for Vehicle Motion Trajectory Clustering **2006**, 26
- 1 Cross-domain unsupervised pedestrian re-identification based on multi-view decomposition.  
*Multimedia Tools and Applications*,1 2.5