

Yubin Yang

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.

64 papers	1,904 citations	24 h-index	43 g-index
72 ext. papers	2,474 ext. citations	5.2 avg, IF	5.47 L-index

#	Paper	IF	Citations
64	Real-Time High-Performance Semantic Image Segmentation of Urban Street Scenes. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 3258-3274	6.1	23
63	NSSNet: Scale-Aware Object Counting With Non-Scale Suppression. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-12	6.1	0
62	A Robust Attentional Framework for License Plate Recognition in the Wild. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-10	6.1	16
61	Towards Effective Deep Embedding for Zero-Shot Learning. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 2843-2852	6.4	13
60	Part-Guided Attention Learning for Vehicle Instance Retrieval. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-13	6.1	9
59	Real-time Image Smoothing via Iterative Least Squares. <i>ACM Transactions on Graphics</i> , 2020 , 39, 1-24	7.6	10
58	Adaptive Importance Learning for Improving Lightweight Image Super-Resolution Network. <i>International Journal of Computer Vision</i> , 2020 , 128, 479-499	10.6	15
57	Structural Analysis of Attributes for Vehicle Re-Identification and Retrieval. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 21, 723-734	6.1	25
56	Embedding Bilateral Filter in Least Squares for Efficient Edge-Preserving Image Smoothing. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 23-35	6.4	12
55	Human Detection Aided by Deeply Learned Semantic Masks. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 2663-2673	6.4	5
54	Monocular Depth Estimation With Augmented Ordinal Depth Relationships. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 2674-2682	6.4	10
53	Hyperspectral Classification Based on Lightweight 3-D-CNN With Transfer Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 5813-5828	8.1	100
52	Unsupervised Domain Adaptation Using Robust Class-Wise Matching. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 1339-1349	6.4	29
51	Toward End-to-End Car License Plate Detection and Recognition With Deep Neural Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2019 , 20, 1126-1136	6.1	103
50	Semantics-Aware Visual Object Tracking. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 1687-1700	6.4	22
49	Real-Time Joint Semantic Segmentation and Depth Estimation Using Asymmetric Annotations 2019 , ,		26
48	Light-Weight Hybrid Convolutional Network for Liver Tumor Segmentation 2019 ,		33

47	TasselNetv2: in-field counting of wheat spikes with context-augmented local regression networks. <i>Plant Methods</i> , 2019 , 15, 150	5.8	36
46	Cluster Sparsity Field: An Internal Hyperspectral Imagery Prior for Reconstruction. <i>International Journal of Computer Vision</i> , 2018 , 126, 797-821	10.6	53
45	An Extended Filtered Channel Framework for Pedestrian Detection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018 , 19, 1640-1651	6.1	15
44	Bootstrapping the Performance of Webly Supervised Semantic Segmentation 2018 ,		32
43	Estimating Depth From Monocular Images as Classification Using Deep Fully Convolutional Residual Networks. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018 , 28, 3174-3182	6.4	140
42	Compositional Model Based Fisher Vector Coding for Image Classification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017 , 39, 2335-2348	13.3	35
41	Removal of Optically Thick Clouds From High-Resolution Satellite Imagery Using Dictionary Group Learning and Interdictionary Nonlocal Joint Sparse Coding. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2017 , 10, 1870-1882	4.7	9
40	TasselNet: counting maize tassels in the wild via local counts regression network. <i>Plant Methods</i> , 2017 , 13, 79	5.8	95
39	Mining Mid-level Visual Patterns with Deep CNN Activations. <i>International Journal of Computer Vision</i> , 2017 , 121, 344-364	10.6	26
38	When Unsupervised Domain Adaptation Meets Tensor Representations 2017 ,		39
37	Explicit Knowledge-based Reasoning for Visual Question Answering 2017 ,		35
36	Learning Multi-level Region Consistency with Dense Multi-label Networks for Semantic Segmentation 2017 ,		3
35	Deep Descriptor Transforming for Image Co-Localization 2017 ,		13
34	What Value Do Explicit High Level Concepts Have in Vision to Language Problems? 2016 ,		194
33	Less is More: Zero-Shot Learning from Online Textual Documents with Noise Suppression 2016 ,		67
32	Ask Me Anything: Free-Form Visual Question Answering Based on Knowledge from External Sources 2016 ,		126
31	Extrinsic Methods for Coding and Dictionary Learning on Grassmann Manifolds. <i>International Journal of Computer Vision</i> , 2015 , 114, 113-136	10.6	48
30	Hyperspectral Compressive Sensing Using Manifold-Structured Sparsity Prior 2015 ,		12

29	Fully corrective boosting with arbitrary loss and regularization. <i>Neural Networks</i> , 2013 , 48, 44-58	9.1	4
28	A Fast Semidefinite Approach to Solving Binary Quadratic Problems 2013 ,		17
27	Training Effective Node Classifiers for Cascade Classification. <i>International Journal of Computer Vision</i> , 2013 , 103, 326-347	10.6	22
26	Dictionary Learning and Sparse Coding on Grassmann Manifolds: An Extrinsic Solution 2013 ,		71
25	Bilinear Programming for Human Activity Recognition with Unknown MRF Graphs 2013 ,		19
24	Part-Based Visual Tracking with Online Latent Structural Learning 2013 ,		132
23	UBoost: boosting with the Universum. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2012 , 34, 825-32	13.3	34
22	Case learning for CBR-based collision avoidance systems. <i>Applied Intelligence</i> , 2012 , 36, 308-319	4.9	15
21	Sharing features in multi-class boosting via group sparsity 2012 ,		5
20	On the Optimality of Sequential Forward Feature Selection Using Class Separability Measure 2011 ,		4
19	Granular-Based Partial Periodic Pattern Discovery over Time Series Data. <i>Lecture Notes in Computer Science</i> , 2011 , 706-711	0.9	1
18	3D Similarity Search Using a Weighted Structural Histogram Representation. <i>Lecture Notes in Computer Science</i> , 2010 , 348-356	0.9	1
17	3D Scene Analysis Using UIMA Framework. <i>Lecture Notes in Computer Science</i> , 2009 , 369-378	0.9	1
16	Structural Context for Object Categorization. <i>Lecture Notes in Computer Science</i> , 2009 , 280-291	0.9	1
15	Case Learning in CBR-Based Agent Systems for Ship Collision Avoidance. <i>Lecture Notes in Computer Science</i> , 2009 , 542-551	0.9	3
14	Automatic moving object detecting and tracking from astronomical CCD image sequences. <i>Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics</i> , 2008 ,	2	1
13	Knowledge Extraction from Structured Engineering Drawings 2008 ,		2
12	Fast global kernel density mode seeking: applications to localization and tracking. <i>IEEE Transactions on Image Processing</i> , 2007 , 16, 1457-69	8.7	50

11	Content-Based 3-D Model Retrieval: A Survey. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2007 , 37, 1081-1098		55
10	A data mining approach for heavy rainfall forecasting based on satellite image sequence analysis. <i>Computers and Geosciences</i> , 2007 , 33, 20-30	4.5	20
9	Cloud analysis by modeling the integration of heterogeneous satellite data and imaging. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2006 , 36, 162-172		2
8	A Novel Image Retrieval Approach Combining Multiple Features of Color-Connected Regions. <i>Lecture Notes in Computer Science</i> , 2006 , 510-519	0.9	
7	Visual tracking via efficient kernel discriminant subspace learning 2005 ,		1
6	Fast global kernel density mode seeking with application to localization and tracking 2005 ,		9
5	A Meteorological Conceptual Modeling Approach Based on Spatial Data Mining and Knowledge Discovery. <i>Lecture Notes in Computer Science</i> , 2005 , 490-499	0.9	1
4	An Intelligent Medical Image Understanding Method Using Two-Tier Neural Network Ensembles. <i>Lecture Notes in Computer Science</i> , 2005 , 616-618	0.9	1
3	A Chromatic Image Understanding System for Lung Cancer Cell Identification Based on Fuzzy Knowledge. <i>Lecture Notes in Computer Science</i> , 2004 , 392-401	0.9	1
2	Adaptive over-relaxed mean shift		1
1	Automatic tracking and characterization of multiple moving clouds in satellite images		1