

Chunhua Shen

List of Publications by Year in Descending Order

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Version: 2024-04-19

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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.

86
papers

5,902
citations

33
h-index

76
g-index

87
ext. papers

7,956
ext. citations

6.8
avg, IF

6.56
L-index

#	Paper	IF	Citations
86	Arbitrarily shaped scene text detection with dynamic convolution. <i>Pattern Recognition</i> , 2022 , 127, 10860-10871	10.7	0
85	NAS-FCOS: Efficient Search for Object Detection Architectures. <i>International Journal of Computer Vision</i> , 2021 , 129, 3299-3312	10.6	0
84	Exploring the Capacity of an Orderless Box Discretization Network for Multi-orientation Scene Text Detection. <i>International Journal of Computer Vision</i> , 2021 , 129, 1972-1992	10.6	4
83	. <i>IEEE Transactions on Multimedia</i> , 2021 , 23, 454-467	6.6	7
82	SESV: Accurate Medical Image Segmentation by Predicting and Correcting Errors. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 286-296	11.7	21
81	A Mutual Bootstrapping Model for Automated Skin Lesion Segmentation and Classification. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2482-2493	11.7	79
80	Adaptive Importance Learning for Improving Lightweight Image Super-Resolution Network. <i>International Journal of Computer Vision</i> , 2020 , 128, 479-499	10.6	15
79	Accurate Tensor Completion via Adaptive Low-Rank Representation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 4170-4184	10.3	4
78	MobileFAN: Transferring deep hidden representation for face alignment. <i>Pattern Recognition</i> , 2020 , 100, 107114	7.7	14
77	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
76	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 2930-2941	6.6	29
75	Accurate imagery recovery using a multi-observation patch model. <i>Information Sciences</i> , 2019 , 501, 724-741	7.4	74
74	Efficient and Accurate Arbitrary-Shaped Text Detection With Pixel Aggregation Network 2019 ,		86
73	FCOS: Fully Convolutional One-Stage Object Detection 2019 ,		996
72	2019 ,		51
71	Show, Attend and Read: A Simple and Strong Baseline for Irregular Text Recognition. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2019 , 33, 8610-8617	5	81
70	Cluster Sparsity Field: An Internal Hyperspectral Imagery Prior for Reconstruction. <i>International Journal of Computer Vision</i> , 2018 , 126, 797-821	10.6	53

69	Multi-label learning based deep transfer neural network for facial attribute classification. <i>Pattern Recognition</i> , 2018 , 80, 225-240	7.7	38
68	2018 ,		95
67	Temporal Pyramid Pooling-Based Convolutional Neural Network for Action Recognition. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2017 , 27, 2613-2622	6.4	64
66	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
65	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017 , 18, 3147-3156	6.1	50
64	Structured learning of metric ensembles with application to person re-identification. <i>Computer Vision and Image Understanding</i> , 2017 , 156, 51-65	4.3	7
63	Attend in Groups: A Weakly-Supervised Deep Learning Framework for Learning from Web Data 2017 ,		35
62	RefineNet: Multi-path Refinement Networks for High-Resolution Semantic Segmentation 2017 ,		959
61	Weakly Supervised Semantic Segmentation Based on Co-segmentation 2017 ,		11
60	Learning Multi-level Region Consistency with Dense Multi-label Networks for Semantic Segmentation 2017 ,		3
59	Online unsupervised feature learning for visual tracking. <i>Image and Vision Computing</i> , 2016 , 51, 84-94	3.7	11
58	Face recognition using linear representation ensembles. <i>Pattern Recognition</i> , 2016 , 59, 72-87	7.7	13
57	Pedestrian Detection with Spatially Pooled Features and Structured Ensemble Learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016 , 38, 1243-57	13.3	76
56	A Generalized Probabilistic Framework for Compact Codebook Creation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016 , 38, 224-37	13.3	2
55	Face image classification by pooling raw features. <i>Pattern Recognition</i> , 2016 , 54, 94-103	7.7	40
54	Efficient Semidefinite Branch-and-Cut for MAP-MRF Inference. <i>International Journal of Computer Vision</i> , 2016 , 117, 269-289	10.6	2
53	Cluster Sparsity Field for Hyperspectral Imagery Denoising. <i>Lecture Notes in Computer Science</i> , 2016 , 631-647	0.9	10
52	Efficient Piecewise Training of Deep Structured Models for Semantic Segmentation 2016 ,		362

51	Dictionary Learning for Promoting Structured Sparsity in Hyperspectral Compressive Sensing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 7223-7235	8.1	35
50	Worst case linear discriminant analysis as scalable semidefinite feasibility problems. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 2382-92	8.7	6
49	CRF learning with CNN features for image segmentation. <i>Pattern Recognition</i> , 2015 , 48, 2983-2992	7.7	143
48	Hashing on nonlinear manifolds. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 1839-51	8.7	109
47	Hyperspectral Compressive Sensing Using Manifold-Structured Sparsity Prior 2015 ,		12
46	Supervised Discrete Hashing 2015 ,		592
45	A scalable stagewise approach to large-margin multiclass loss-based boosting. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 1002-13	10.3	10
44	Large-margin Learning of Compact Binary Image Encodings. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 4041-4054	8.7	1
43	. <i>IEEE Transactions on Multimedia</i> , 2014 , 16, 1254-1267	6.6	2
42	Efficient dual approach to distance metric learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 394-406	10.3	30
41	. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2014 , 26, 2588-2597	4.2	37
40	Fast approximate . <i>Computational Statistics and Data Analysis</i> , 2014 , 77, 25-37	1.6	13
39	RandomBoost: simplified multiclass boosting through randomization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 764-79	10.3	6
38	A hierarchical word-merging algorithm with class separability measure. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2014 , 36, 417-35	13.3	11
37	Strengthening the Effectiveness of Pedestrian Detection with Spatially Pooled Features. <i>Lecture Notes in Computer Science</i> , 2014 , 546-561	0.9	78
36	Fully corrective boosting with arbitrary loss and regularization. <i>Neural Networks</i> , 2013 , 48, 44-58	9.1	4
35	Approximate least trimmed sum of squares fitting and applications in image analysis. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 1836-47	8.7	21
34	A Fast Semidefinite Approach to Solving Binary Quadratic Problems 2013 ,		17

33	Training Effective Node Classifiers for Cascade Classification. <i>International Journal of Computer Vision</i> , 2013 , 103, 326-347	10.6	22
32	A survey of appearance models in visual object tracking. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2013 , 4, 1-48	8	374
31	Efficient Pedestrian Detection by Directly Optimizing the Partial Area under the ROC Curve 2013 ,		15
30	Fast and robust object detection using asymmetric totally corrective boosting. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012 , 23, 33-46	10.3	25
29	Non-sparse linear representations for visual tracking with online reservoir metric learning 2012 ,		11
28	Sharing features in multi-class boosting via group sparsity 2012 ,		5
27	Is face recognition really a Compressive Sensing problem? 2011 ,		170
26	Real-time visual tracking using compressive sensing 2011 ,		162
25	Incremental training of a detector using online sparse eigendecomposition. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 213-26	8.7	10
24	Efficiently learning a detection cascade with sparse eigenvectors. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 22-35	8.7	20
23	On the Optimality of Sequential Forward Feature Selection Using Class Separability Measure 2011 ,		4
22	Graph mode-based contextual kernels for robust SVM tracking 2011 ,		28
21	A generalized probabilistic framework for compact codebook creation 2011 ,		7
20	2011 ,		19
19	Totally-Corrective Multi-class Boosting. <i>Lecture Notes in Computer Science</i> , 2011 , 269-280	0.9	3
18	Pyramid Center-Symmetric Local Binary/Trinary Patterns for Effective Pedestrian Detection. <i>Lecture Notes in Computer Science</i> , 2011 , 281-292	0.9	15
17	2010 ,		3
16	Scalable large-margin Mahalanobis distance metric learning. <i>IEEE Transactions on Neural Networks</i> , 2010 , 21, 1524-30		55

15	Feature selection with redundancy-constrained class separability. <i>IEEE Transactions on Neural Networks</i> , 2010 , 21, 853-8		46
14	Rapid face recognition using hashing 2010 ,		31
13	Robust Face Recognition via Accurate Face Alignment and Sparse Representation 2010 ,		2
12	On the dual formulation of boosting algorithms. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010 , 32, 2216-31	13.3	53
11	Generalized Kernel-Based Visual Tracking. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2010 , 20, 119-130	6.4	58
10	Boosting through optimization of margin distributions. <i>IEEE Transactions on Neural Networks</i> , 2010 , 21, 659-66		46
9	Hippocampal shape classification using redundancy constrained feature selection. <i>Lecture Notes in Computer Science</i> , 2010 , 13, 266-73	0.9	2
8	A Scalable Algorithm for Learning a Mahalanobis Distance Metric. <i>Lecture Notes in Computer Science</i> , 2010 , 299-310	0.9	2
7	A Variant of the Trace Quotient Formulation for Dimensionality Reduction. <i>Lecture Notes in Computer Science</i> , 2010 , 277-286	0.9	
6	2009 ,		8
5	Fast Pedestrian Detection Using a Cascade of Boosted Covariance Features. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2008 , 18, 1140-1151	6.4	90
4	Supervised dimensionality reduction via sequential semidefinite programming. <i>Pattern Recognition</i> , 2008 , 41, 3644-3652	7.7	23
3	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
2	Adaptive object tracking based on an effective appearance filter. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2007 , 29, 1661-7	13.3	128
1	A Convex Programming Approach to the Trace Quotient Problem 2007 , 227-235		10