

# Xiaojun Chang

## List of Publications by Year in descending order

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131  
papers

7,461  
citations

94433

37  
h-index

74163

75  
g-index

131  
all docs

131  
docs citations

131  
times ranked

4287  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning and smart card based two-factor authentication scheme for preserving anonymity in telecare medical information system (TMIS). <i>Neural Computing and Applications</i> , 2023, 35, 5055-5080.	5.6	13
2	Attribute-Modulated Generative Meta Learning for Zero-Shot Learning. <i>IEEE Transactions on Multimedia</i> , 2023, 25, 1600-1610.	7.2	15
3	Dual Interactive Graph Convolutional Networks for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	6.3	23
4	Auto-FSL: Searching the Attribute Consistent Network for Few-Shot Learning. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022, 32, 1213-1223.	8.3	16
5	Artificial intelligence empowered emails classifier for Internet of Things based systems in industry 4.0. <i>Wireless Networks</i> , 2022, 28, 493-503.	3.0	20
6	A Comprehensive Survey of Neural Architecture Search. <i>ACM Computing Surveys</i> , 2022, 54, 1-34.	23.0	203
7	A Survey of Deep Active Learning. <i>ACM Computing Surveys</i> , 2022, 54, 1-40.	23.0	294
8	ZeroNAS: Differentiable Generative Adversarial Networks Search for Zero-Shot Learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2022, 44, 9733-9740.	13.9	74
9	Deep Discrete Cross-Modal Hashing with Multiple Supervision. <i>Neurocomputing</i> , 2022, 486, 215-224.	5.9	32
10	HCDC-SRCF tracker: Learning an adaptively multi-feature fuse tracker in spatial regularized correlation filters framework. <i>Knowledge-Based Systems</i> , 2022, 238, 107913.	7.1	8
11	Accurate bounding-box regression with distance-IoU loss for visual tracking. <i>Journal of Visual Communication and Image Representation</i> , 2022, 83, 103428.	2.8	19
12	Learning Adaptive Spatial-Temporal Context-Aware Correlation Filters for UAV Tracking. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2022, 18, 1-18.	4.3	91
13	TN-ZSTAD: Transferable Network for Zero-Shot Temporal Activity Detection. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2022, , 1-14.	13.9	15
14	Video Pivoting Unsupervised Multi-Modal Machine Translation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2022, , 1-15.	13.9	21
15	Partially Supervised Compatibility Modeling. <i>IEEE Transactions on Image Processing</i> , 2022, 31, 4733-4745.	9.8	13
16	Personalized Fashion Compatibility Modeling via Metapath-guided Heterogeneous Graph Learning. , 2022, , .		22
17	Cooperation Learning From Multiple Social Networks: Consistent and Complementary Perspectives. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 4501-4514.	9.5	16
18	Self-Supervised Deep Correlation Tracking. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 976-985.	9.8	193

#	ARTICLE	IF	CITATIONS
19	Self-weighted Robust LDA for Multiclass Classification with Edge Classes. ACM Transactions on Intelligent Systems and Technology, 2021, 12, 1-19.	4.5	56
20	A novel approach for phishing URLs detection using lexical based machine learning in a real-time environment. Computer Communications, 2021, 175, 47-57.	5.1	81
21	Enhancing big data security through integrating XSS scanner into fog nodes for SMEs gain. Technological Forecasting and Social Change, 2021, 168, 120754.	11.6	19
22	Soil carbon and its associate resilience using big data analytics: For food Security and environmental management. Technological Forecasting and Social Change, 2021, 169, 120823.	11.6	15
23	Correlation filters with adaptive convolution response fusion for object tracking. Knowledge-Based Systems, 2021, 228, 107314.	7.1	13
24	One-Shot Neural Architecture Search: Maximising Diversity to Overcome Catastrophic Forgetting. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2921-2935.	13.9	27
25	CS-GAN: Cross-Structure Generative Adversarial Networks for Chinese calligraphy translation. Knowledge-Based Systems, 2021, 229, 107334.	7.1	13
26	Multimodal Compatibility Modeling via Exploring the Consistent and Complementary Correlations. , 2021, , .		21
27	Reliable shot identification for complex event detection via visual-semantic embedding. Computer Vision and Image Understanding, 2021, 213, 103300.	4.7	5
28	Semantic-Driven Interpretable Deep Multi-Modal Hashing for Large-Scale Multimedia Retrieval. IEEE Transactions on Multimedia, 2021, 23, 4541-4554.	7.2	17
29	Dynamic Slimmable Network. , 2021, , .		53
30	SOON: Scenario Oriented Object Navigation with Graph-based Exploration. , 2021, , .		39
31	IEEE Access Special Section Editorial: Big Data Learning and Discovery. IEEE Access, 2021, 9, 158064-158073.	4.2	1
32	Vision-Language Navigation with Random Environmental Mixup. , 2021, , .		19
33	BossNAS: Exploring Hybrid CNN-transformers with Block-wisely Self-supervised Neural Architecture Search. , 2021, , .		40
34	Automated Diagnosis of Pathological Brain Using Fast Curvelet Entropy Features. IEEE Transactions on Sustainable Computing, 2020, 5, 416-427.	3.1	16
35	Making Sense of Spatio-Temporal Preserving Representations for EEG-Based Human Intention Recognition. IEEE Transactions on Cybernetics, 2020, 50, 3033-3044.	9.5	246
36	Guest editorial: Recent trends in multimedia data-hiding: a reliable mean for secure communications. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1795-1797.	4.9	7

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37	Deep Top-\$k\$ Ranking for Image-Sentence Matching. IEEE Transactions on Multimedia, 2020, 22, 775-785.	7.2	27
38	Guest editorial: Image/video understanding and analysis. Pattern Recognition Letters, 2020, 130, 1-3.	4.2	3
39	A Semisupervised Recurrent Convolutional Attention Model for Human Activity Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1747-1756.	11.3	269
40	Person Reidentification via Multi-Feature Fusion With Adaptive Graph Learning. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1592-1601.	11.3	107
41	Improving multi-label chest X-ray disease diagnosis by exploiting disease and health labels dependencies. Multimedia Tools and Applications, 2020, 79, 14889-14902.	3.9	17
42	Robust optimal graph clustering. Neurocomputing, 2020, 378, 153-165.	5.9	11
43	Structured Optimal Graph-Based Clustering With Flexible Embedding. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3801-3813.	11.3	7
44	Few-shot activity recognition with cross-modal memory network. Pattern Recognition, 2020, 108, 107348.	8.1	28
45	Memory transformation networks for weakly supervised visual classification. Knowledge-Based Systems, 2020, 210, 106432.	7.1	1
46	Argus: Efficient Activity Detection System for Extended Video Analysis. , 2020, , .		22
47	Semantics-Preserving Graph Propagation for Zero-Shot Object Detection. IEEE Transactions on Image Processing, 2020, 29, 8163-8176.	9.8	45
48	ZSTAD: Zero-Shot Temporal Activity Detection. , 2020, , .		17
49	Block-Wisely Supervised Neural Architecture Search With Knowledge Distillation. , 2020, , .		79
50	Vision-Language Navigation With Self-Supervised Auxiliary Reasoning Tasks. , 2020, , .		92
51	Unity Style Transfer for Person Re-Identification. , 2020, , .		57
52	Overcoming Multi-Model Forgetting in One-Shot NAS With Diversity Maximization. , 2020, , .		43
53	Vision-Dialog Navigation by Exploring Cross-Modal Memory. , 2020, , .		25
54	Multi-view feature selection via Nonnegative Structured Graph Learning. Neurocomputing, 2020, 387, 110-122.	5.9	36

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55	Mining Inter-Video Proposal Relations for Video Object Detection. Lecture Notes in Computer Science, 2020, , 431-446.	1.3	40
56	Unsupervised Domain Adaptive Graph Convolutional Networks. , 2020, , .		67
57	Connecting the Dots: Multivariate Time Series Forecasting with Graph Neural Networks. , 2020, , .		511
58	Forward and Backward Multimodal NMT for Improved Monolingual and Multilingual Cross-Modal Retrieval. , 2020, , .		2
59	Pair-based Uncertainty and Diversity Promoting Early Active Learning for Person Re-identification. ACM Transactions on Intelligent Systems and Technology, 2020, 11, 1-15.	4.5	19
60	Grounding Visual Concepts for Zero-Shot Event Detection and Event Captioning. , 2020, , .		4
61	Memory-Based Network for Scene Graph with Unbalanced Relations. , 2020, , .		8
62	Multi-stage cascaded deconvolution for depth map and surface normal prediction from single image. Pattern Recognition Letters, 2019, 127, 165-173.	4.2	5
63	Scheduled sampling for one-shot learning via matching network. Pattern Recognition, 2019, 96, 106962.	8.1	28
64	Distributionally Robust Semi-Supervised Learning for People-Centric Sensing. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 3321-3328.	4.9	24
65	Zero-shot event detection via event-adaptive concept relevance mining. Pattern Recognition, 2019, 88, 595-603.	8.1	109
66	Improving What Cross-Modal Retrieval Models Learn through Object-Oriented Inter- and Intra-Modal Attention Networks. , 2019, , .		7
67	Discrete Multi-Graph Clustering. IEEE Transactions on Image Processing, 2019, 28, 4701-4712.	9.8	12
68	Cross-Modal Transfer Hashing Based on Coherent Projection. , 2019, , .		1
69	Annotation Efficient Cross-Modal Retrieval with Adversarial Attentive Alignment. , 2019, , .		12
70	MMALFM. ACM Transactions on Information Systems, 2019, 37, 1-28.	4.9	169
71	Adaptive Semi-Supervised Feature Selection for Cross-Modal Retrieval. IEEE Transactions on Multimedia, 2019, 21, 1276-1288.	7.2	107
72	Ensemble Teaching for Hybrid Label Propagation. IEEE Transactions on Cybernetics, 2019, 49, 388-402.	9.5	28

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73	Adaptive Structure Discovery for Multimedia Analysis Using Multiple Features. IEEE Transactions on Cybernetics, 2019, 49, 1826-1834.	9.5	35
74	Multi-Head Attention with Diversity for Learning Grounded Multilingual Multimodal Representations. , 2019, , .		12
75	Domain-Aware Unsupervised Cross-dataset Person Re-identification. Lecture Notes in Computer Science, 2019, , 406-420.	1.3	2
76	Guest Editorial: Semantic Concept Discovery in MM Data. Multimedia Tools and Applications, 2018, 77, 2945-2946.	3.9	0
77	Rank-Constrained Spectral Clustering With Flexible Embedding. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6073-6082.	11.3	195
78	Deep Semisupervised Zero-Shot Learning with Maximum Mean Discrepancy. Neural Computation, 2018, 30, 1426-1447.	2.2	14
79	Adaptive Unsupervised Feature Selection With Structure Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 944-956.	11.3	167
80	An Adaptive Semisupervised Feature Analysis for Video Semantic Recognition. IEEE Transactions on Cybernetics, 2018, 48, 648-660.	9.5	265
81	A unified framework with a benchmark dataset for surveillance event detection. Neurocomputing, 2018, 278, 62-74.	5.9	4
82	Learning-Based Multimedia Analyses and Applications. Advances in Multimedia, 2018, 2018, 1-2.	0.4	0
83	Reinforcement Cutting-Agent Learning for Video Object Segmentation. , 2018, , .		61
84	IEEE Access Special Section Editorial: Information Security Solutions for Telemedicine Applications. IEEE Access, 2018, 6, 79005-79009.	4.2	3
85	Few-Shot Text and Image Classification via Analogical Transfer Learning. ACM Transactions on Intelligent Systems and Technology, 2018, 9, 1-20.	4.5	10
86	Dynamic Affinity Graph Construction for Spectral Clustering Using Multiple Features. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6323-6332.	11.3	191
87	Local Adaptive Projection Framework for Feature Selection of Labeled and Unlabeled Data. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6362-6373.	11.3	42
88	Guest Editorial Deep Learning Models for Industry Informatics. IEEE Transactions on Industrial Informatics, 2018, 14, 3166-3169.	11.3	2
89	Deep feature learning via structured graph Laplacian embedding for person re-identification. Pattern Recognition, 2018, 82, 94-104.	8.1	39
90	RCAA: Relational Context-Aware Agents for Person Search. Lecture Notes in Computer Science, 2018, , 86-102.	1.3	58

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91	Uncertainty Sampling for Action Recognition via Maximizing Expected Average Precision. , 2018, , .		8
92	Teaching Semi-Supervised Classifier via Generalized Distillation. , 2018, , .		18
93	Convex Sparse PCA for Unsupervised Feature Learning. ACM Transactions on Knowledge Discovery From Data, 2017, 11, 1-16.	3.5	63
94	Bi-Level Semantic Representation Analysis for Multimedia Event Detection. IEEE Transactions on Cybernetics, 2017, 47, 1180-1197.	9.5	211
95	Modeling Disease Progression via Multisource Multitask Learners: A Case Study With Alzheimer's Disease. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1508-1519.	11.3	82
96	Multiview Physician-Specific Attributes Fusion for Health Seeking. IEEE Transactions on Cybernetics, 2017, 47, 3680-3691.	9.5	24
97	Avoiding Optimal Mean $\hat{\alpha}_{2,1}$ -Norm Maximization-Based Robust PCA for Reconstruction. Neural Computation, 2017, 29, 1124-1150.	2.2	16
98	Revealing Event Saliency in Unconstrained Video Collection. IEEE Transactions on Image Processing, 2017, 26, 1746-1758.	9.8	124
99	The Many Shades of Negativity. IEEE Transactions on Multimedia, 2017, 19, 1558-1568.	7.2	64
100	Feature Interaction Augmented Sparse Learning for Fast Kinect Motion Detection. IEEE Transactions on Image Processing, 2017, 26, 3911-3920.	9.8	184
101	Learning Multiple Diagnosis Codes for ICU Patients with Local Disease Correlation Mining. ACM Transactions on Knowledge Discovery From Data, 2017, 11, 1-21.	3.5	29
102	Refined Spectral Clustering via Embedded Label Propagation. Neural Computation, 2017, 29, 3381-3396.	2.2	9
103	Robust Top- $k$ Multiclass SVM for Visual Category Recognition. , 2017, , .		10
104	Beyond Trace Ratio: Weighted Harmonic Mean of Trace Ratios for Multiclass Discriminant Analysis. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 2100-2110.	5.7	128
105	Fast and Orthogonal Locality Preserving Projections for Dimensionality Reduction. IEEE Transactions on Image Processing, 2017, 26, 5019-5030.	9.8	122
106	Simple to complex cross-modal learning to rank. Computer Vision and Image Understanding, 2017, 163, 67-77.	4.7	68
107	Joint Attributes and Event Analysis for Multimedia Event Detection. IEEE Transactions on Neural Networks and Learning Systems, 2017, 29, 1-10.	11.3	31
108	Semisupervised Feature Analysis by Mining Correlations Among Multiple Tasks. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2294-2305.	11.3	189

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109	Semantic Pooling for Complex Event Analysis in Untrimmed Videos. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 1617-1632.	13.9	290
110	Complex Event Detection by Identifying Reliable Shots from Untrimmed Videos. , 2017, , .		36
111	Exploring Consistent Preferences. , 2017, , .		35
112	Early Active Learning with Pairwise Constraint for Person Re-identification. Lecture Notes in Computer Science, 2017, , 103-118.	1.3	9
113	Discriminative Dictionary Learning With Ranking Metric Embedded for Person Re-Identification. , 2017, , .		17
114	Top-k Supervise Feature Selection via ADMM for Integer Programming. , 2017, , .		16
115	Self-paced Mixture of Regressions. , 2017, , .		15
116	Adaptive Semi-Supervised Learning with Discriminative Least Squares Regression. , 2017, , .		14
117	How Unlabeled Web Videos Help Complex Event Detection?. , 2017, , .		3
118	They are Not Equally Reliable: Semantic Event Search Using Differentiated Concept Classifiers. , 2016, , .		27
119	Unified discriminating feature analysis for visual category recognition. Journal of Visual Communication and Image Representation, 2016, 40, 772-778.	2.8	5
120	Diagnosis Code Assignment Using Sparsity-Based Disease Correlation Embedding. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 3191-3202.	5.7	68
121	Artistic information extraction from Chinese calligraphy works via Shear-Guided filter. Journal of Visual Communication and Image Representation, 2016, 40, 791-807.	2.8	4
122	Multi-task support vector machines for feature selection with shared knowledge discovery. Signal Processing, 2016, 120, 746-753.	3.7	49
123	Compound Rank- $\&#x2013;$ Projections for Bilinear Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1502-1513.	11.3	184
124	Uncovering Locally Discriminative Structure for Feature Analysis. Lecture Notes in Computer Science, 2016, , 281-295.	1.3	7
125	[Invited Paper] Strategies for Searching Video Content with Text Queries or Video Examples. ITE Transactions on Media Technology and Applications, 2016, 4, 227-238.	0.5	3
126	Multi-Class Active Learning by Uncertainty Sampling with Diversity Maximization. International Journal of Computer Vision, 2015, 113, 113-127.	15.6	296



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127	Incremental Multimodal Query Construction for Video Search. , 2015, , .		12
128	Unsupervised Feature Analysis with Class Margin Optimization. Lecture Notes in Computer Science, 2015, , 383-398.	1.3	11
129	Searching Persuasively. , 2015, , .		34
130	Semi-supervised Feature Analysis for Multimedia Annotation by Mining Label Correlation. Lecture Notes in Computer Science, 2014, , 74-85.	1.3	30
131	Feature Interaction Augmented Sparse Learning for Fast Kinect Motion Detection. , 0, .		1