

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	Connecting the Dots: Multivariate Time Series Forecasting with Graph Neural Networks. , 2020, , .		511
2	Multi-Class Active Learning by Uncertainty Sampling with Diversity Maximization. International Journal of Computer Vision, 2015, 113, 113-127.	15.6	296
3	A Survey of Deep Active Learning. ACM Computing Surveys, 2022, 54, 1-40.	23.0	294
4	Semantic Pooling for Complex Event Analysis in Untrimmed Videos. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 1617-1632.	13.9	290
5	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
6	An Adaptive Semisupervised Feature Analysis for Video Semantic Recognition. IEEE Transactions on Cybernetics, 2018, 48, 648-660.	9.5	265
7	Making Sense of Spatio-Temporal Preserving Representations for EEG-Based Human Intention Recognition. IEEE Transactions on Cybernetics, 2020, 50, 3033-3044.	9.5	246
8	Bi-Level Semantic Representation Analysis for Multimedia Event Detection. IEEE Transactions on Cybernetics, 2017, 47, 1180-1197.	9.5	211
9	A Comprehensive Survey of Neural Architecture Search. ACM Computing Surveys, 2022, 54, 1-34.	23.0	203
10	Rank-Constrained Spectral Clustering With Flexible Embedding. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6073-6082.	11.3	195
11	Self-Supervised Deep Correlation Tracking. IEEE Transactions on Image Processing, 2021, 30, 976-985.	9.8	193
12	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
13	Semisupervised Feature Analysis by Mining Correlations Among Multiple Tasks. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2294-2305.	11.3	189
14	Compound Rank- α & β Projections for Bilinear Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1502-1513.	11.3	184
15	Feature Interaction Augmented Sparse Learning for Fast Kinect Motion Detection. IEEE Transactions on Image Processing, 2017, 26, 3911-3920.	9.8	184
16	MMALFM. ACM Transactions on Information Systems, 2019, 37, 1-28.	4.9	169
17	Adaptive Unsupervised Feature Selection With Structure Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 944-956.	11.3	167
18	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

#	ARTICLE	IF	CITATIONS
19	Revealing Event Saliency in Unconstrained Video Collection. IEEE Transactions on Image Processing, 2017, 26, 1746-1758.	9.8	124
20	Fast and Orthogonal Locality Preserving Projections for Dimensionality Reduction. IEEE Transactions on Image Processing, 2017, 26, 5019-5030.	9.8	122
21	Zero-shot event detection via event-adaptive concept relevance mining. Pattern Recognition, 2019, 88, 595-603.	8.1	109
22	Adaptive Semi-Supervised Feature Selection for Cross-Modal Retrieval. IEEE Transactions on Multimedia, 2019, 21, 1276-1288.	7.2	107
23	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
24	Vision-Language Navigation With Self-Supervised Auxiliary Reasoning Tasks. , 2020, , .		92
25	Learning Adaptive Spatial-Temporal Context-Aware Correlation Filters for UAV Tracking. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-18.	4.3	91
26	Modeling Disease Progression via Multisource Multitask Learners: A Case Study With Alzheimerâ€™s Disease. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1508-1519.	11.3	82
27	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
28	Block-Wisely Supervised Neural Architecture Search With Knowledge Distillation. , 2020, , .		79
29	ZeroNAS: Differentiable Generative Adversarial Networks Search for Zero-Shot Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 9733-9740.	13.9	74
30	Diagnosis Code Assignment Using Sparsity-Based Disease Correlation Embedding. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 3191-3202.	5.7	68
31	Simple to complex cross-modal learning to rank. Computer Vision and Image Understanding, 2017, 163, 67-77.	4.7	68
32	Unsupervised Domain Adaptive Graph Convolutional Networks. , 2020, , .		67
33	The Many Shades of Negativity. IEEE Transactions on Multimedia, 2017, 19, 1558-1568.	7.2	64
34	Convex Sparse PCA for Unsupervised Feature Learning. ACM Transactions on Knowledge Discovery From Data, 2017, 11, 1-16.	3.5	63
35	Reinforcement Cutting-Agent Learning for Video Object Segmentation. , 2018, , .		61
36	RCAA: Relational Context-Aware Agents for Person Search. Lecture Notes in Computer Science, 2018, , 86-102.	1.3	58

#	ARTICLE	IF	CITATIONS
37	Unity Style Transfer for Person Re-Identification. , 2020, , .		57
38	Self-weighted Robust LDA for Multiclass Classification with Edge Classes. ACM Transactions on Intelligent Systems and Technology, 2021, 12, 1-19.	4.5	56
39	Dynamic Slimmable Network. , 2021, , .		53
40	Multi-task support vector machines for feature selection with shared knowledge discovery. Signal Processing, 2016, 120, 746-753.	3.7	49
41	Semantics-Preserving Graph Propagation for Zero-Shot Object Detection. IEEE Transactions on Image Processing, 2020, 29, 8163-8176.	9.8	45
42	Overcoming Multi-Model Forgetting in One-Shot NAS With Diversity Maximization. , 2020, , .		43
43	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
44	Mining Inter-Video Proposal Relations for Video Object Detection. Lecture Notes in Computer Science, 2020, , 431-446.	1.3	40
45	BossNAS: Exploring Hybrid CNN-transformers with Block-wisely Self-supervised Neural Architecture Search. , 2021, , .		40
46	Deep feature learning via structured graph Laplacian embedding for person re-identification. Pattern Recognition, 2018, 82, 94-104.	8.1	39
47	SOON: Scenario Oriented Object Navigation with Graph-based Exploration. , 2021, , .		39
48	Complex Event Detection by Identifying Reliable Shots from Untrimmed Videos. , 2017, , .		36
49	Multi-view feature selection via Nonnegative Structured Graph Learning. Neurocomputing, 2020, 387, 110-122.	5.9	36
50	Exploring Consistent Preferences. , 2017, , .		35
51	Adaptive Structure Discovery for Multimedia Analysis Using Multiple Features. IEEE Transactions on Cybernetics, 2019, 49, 1826-1834.	9.5	35
52	Searching Persuasively. , 2015, , .		34
53	Deep Discrete Cross-Modal Hashing with Multiple Supervision. Neurocomputing, 2022, 486, 215-224.	5.9	32
54	Joint Attributes and Event Analysis for Multimedia Event Detection. IEEE Transactions on Neural Networks and Learning Systems, 2017, 29, 1-10.	11.3	31

#	ARTICLE	IF	CITATIONS
55	Semi-supervised Feature Analysis for Multimedia Annotation by Mining Label Correlation. Lecture Notes in Computer Science, 2014, , 74-85.	1.3	30
56	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
57	Scheduled sampling for one-shot learning via matching network. Pattern Recognition, 2019, 96, 106962.	8.1	28
58	Ensemble Teaching for Hybrid Label Propagation. IEEE Transactions on Cybernetics, 2019, 49, 388-402.	9.5	28
59	Few-shot activity recognition with cross-modal memory network. Pattern Recognition, 2020, 108, 107348.	8.1	28
60	They are Not Equally Reliable: Semantic Event Search Using Differentiated Concept Classifiers. , 2016, , .		27
61	Deep Top-\$k\$ Ranking for Image-Sentence Matching. IEEE Transactions on Multimedia, 2020, 22, 775-785.	7.2	27
62	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
63	Vision-Dialog Navigation by Exploring Cross-Modal Memory. , 2020, , .		25
64	Multiview Physician-Specific Attributes Fusion for Health Seeking. IEEE Transactions on Cybernetics, 2017, 47, 3680-3691.	9.5	24
65	Distributionally Robust Semi-Supervised Learning for People-Centric Sensing. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 3321-3328.	4.9	24
66	Dual Interactive Graph Convolutional Networks for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	23
67	Argus: Efficient Activity Detection System for Extended Video Analysis. , 2020, , .		22
68	Personalized Fashion Compatibility Modeling via Metapath-guided Heterogeneous Graph Learning. , 2022, , .		22
69	Multimodal Compatibility Modeling via Exploring the Consistent and Complementary Correlations. , 2021, , .		21
70	Video Pivoting Unsupervised Multi-Modal Machine Translation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-15.	13.9	21
71	Artificial intelligence empowered emails classifier for Internet of Things based systems in industry 4.0. Wireless Networks, 2022, 28, 493-503.	3.0	20
72	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

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73	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
74	Accurate bounding-box regression with distance-IoU loss for visual tracking. Journal of Visual Communication and Image Representation, 2022, 83, 103428.	2.8	19
75	Vision-Language Navigation with Random Environmental Mixup. , 2021, , .		19
76	Teaching Semi-Supervised Classifier via Generalized Distillation. , 2018, , .		18
77	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
78	ZSTAD: Zero-Shot Temporal Activity Detection. , 2020, , .		17
79	Discriminative Dictionary Learning With Ranking Metric Embedded for Person Re-Identification. , 2017, , .		17
80	Semantic-Driven Interpretable Deep Multi-Modal Hashing for Large-Scale Multimedia Retrieval. IEEE Transactions on Multimedia, 2021, 23, 4541-4554.	7.2	17
81	Avoiding Optimal Mean $\hat{\alpha}_{2,1}$ -Norm Maximization-Based Robust PCA for Reconstruction. Neural Computation, 2017, 29, 1124-1150.	2.2	16
82	Cooperation Learning From Multiple Social Networks: Consistent and Complementary Perspectives. IEEE Transactions on Cybernetics, 2021, 51, 4501-4514.	9.5	16
83	Automated Diagnosis of Pathological Brain Using Fast Curvelet Entropy Features. IEEE Transactions on Sustainable Computing, 2020, 5, 416-427.	3.1	16
84	Auto-FSL: Searching the Attribute Consistent Network for Few-Shot Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1213-1223.	8.3	16
85	Top-k Supervise Feature Selection via ADMM for Integer Programming. , 2017, , .		16
86	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
87	Self-paced Mixture of Regressions. , 2017, , .		15
88	Attribute-Modulated Generative Meta Learning for Zero-Shot Learning. IEEE Transactions on Multimedia, 2023, 25, 1600-1610.	7.2	15
89	TN-ZSTAD: Transferable Network for Zero-Shot Temporal Activity Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-14.	13.9	15
90	Deep Semisupervised Zero-Shot Learning with Maximum Mean Discrepancy. Neural Computation, 2018, 30, 1426-1447.	2.2	14

#	ARTICLE	IF	CITATIONS
91	Adaptive Semi-Supervised Learning with Discriminative Least Squares Regression. , 2017, , .		14
92	Machine learning and smart card based two-factor authentication scheme for preserving anonymity in telecare medical information system (TMIS). Neural Computing and Applications, 2023, 35, 5055-5080.	5.6	13
93	Correlation filters with adaptive convolution response fusion for object tracking. Knowledge-Based Systems, 2021, 228, 107314.	7.1	13
94	CS-GAN: Cross-Structure Generative Adversarial Networks for Chinese calligraphy translation. Knowledge-Based Systems, 2021, 229, 107334.	7.1	13
95	Partially Supervised Compatibility Modeling. IEEE Transactions on Image Processing, 2022, 31, 4733-4745.	9.8	13
96	Incremental Multimodal Query Construction for Video Search. , 2015, , .		12
97	Discrete Multi-Graph Clustering. IEEE Transactions on Image Processing, 2019, 28, 4701-4712.	9.8	12
98	Annotation Efficient Cross-Modal Retrieval with Adversarial Attentive Alignment. , 2019, , .		12
99	Multi-Head Attention with Diversity for Learning Grounded Multilingual Multimodal Representations. , 2019, , .		12
100	Robust optimal graph clustering. Neurocomputing, 2020, 378, 153-165.	5.9	11
101	Unsupervised Feature Analysis with Class Margin Optimization. Lecture Notes in Computer Science, 2015, , 383-398.	1.3	11
102	Robust Top- k Multiclass SVM for Visual Category Recognition. , 2017, , .		10
103	Few-Shot Text and Image Classification via Analogical Transfer Learning. ACM Transactions on Intelligent Systems and Technology, 2018, 9, 1-20.	4.5	10
104	Refined Spectral Clustering via Embedded Label Propagation. Neural Computation, 2017, 29, 3381-3396.	2.2	9
105	Early Active Learning with Pairwise Constraint for Person Re-identification. Lecture Notes in Computer Science, 2017, , 103-118.	1.3	9
106	Uncertainty Sampling for Action Recognition via Maximizing Expected Average Precision. , 2018, , .		8
107	Memory-Based Network for Scene Graph with Unbalanced Relations. , 2020, , .		8
108	HCDC-SRCF tracker: Learning an adaptively multi-feature fuse tracker in spatial regularized correlation filters framework. Knowledge-Based Systems, 2022, 238, 107913.	7.1	8

#	ARTICLE	IF	CITATIONS
109	Improving What Cross-Modal Retrieval Models Learn through Object-Oriented Inter- and Intra-Modal Attention Networks. , 2019, , .		7
110	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
111	Structured Optimal Graph-Based Clustering With Flexible Embedding. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3801-3813.	11.3	7
112	Uncovering Locally Discriminative Structure for Feature Analysis. Lecture Notes in Computer Science, 2016, , 281-295.	1.3	7
113	Unified discriminating feature analysis for visual category recognition. Journal of Visual Communication and Image Representation, 2016, 40, 772-778.	2.8	5
114	Multi-stage cascaded deconvolution for depth map and surface normal prediction from single image. Pattern Recognition Letters, 2019, 127, 165-173.	4.2	5
115	Reliable shot identification for complex event detection via visual-semantic embedding. Computer Vision and Image Understanding, 2021, 213, 103300.	4.7	5
116	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
117	A unified framework with a benchmark dataset for surveillance event detection. Neurocomputing, 2018, 278, 62-74.	5.9	4
118	Grounding Visual Concepts for Zero-Shot Event Detection and Event Captioning. , 2020, , .		4
119	IEEE Access Special Section Editorial: Information Security Solutions for Telemedicine Applications. IEEE Access, 2018, 6, 79005-79009.	4.2	3
120	Guest editorial: Image/video understanding and analysis. Pattern Recognition Letters, 2020, 130, 1-3.	4.2	3
121	[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
122	How Unlabeled Web Videos Help Complex Event Detection?. , 2017, , .		3
123	Guest Editorial Deep Learning Models for Industry Informatics. IEEE Transactions on Industrial Informatics, 2018, 14, 3166-3169.	11.3	2
124	Domain-Aware Unsupervised Cross-dataset Person Re-identification. Lecture Notes in Computer Science, 2019, , 406-420.	1.3	2
125	Forward and Backward Multimodal NMT for Improved Monolingual and Multilingual Cross-Modal Retrieval. , 2020, , .		2
126	Cross-Modal Transfer Hashing Based on Coherent Projection. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
127	Memory transformation networks for weakly supervised visual classification. Knowledge-Based Systems, 2020, 210, 106432.	7.1	1
128	Feature Interaction Augmented Sparse Learning for Fast Kinect Motion Detection. , 0, .		1
129	IEEE Access Special Section Editorial: Big Data Learning and Discovery. IEEE Access, 2021, 9, 158064-158073.	4.2	1
130	Guest Editorial: Semantic Concept Discovery in MM Data. Multimedia Tools and Applications, 2018, 77, 2945-2946.	3.9	0
131	Learning-Based Multimedia Analyses and Applications. Advances in Multimedia, 2018, 2018, 1-2.	0.4	0