

Xianglong Liu

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

4,131
citations

236925

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51
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99
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99
docs citations

99
times ranked

2835
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Transductive Relation-Propagation With Decoupling Training for Few-Shot Learning. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6652-6664. | 11.3 | 7 |
| 2 | Universal Adversarial Patch Attack for Automatic Checkout Using Perceptual and Attentional Bias. IEEE Transactions on Image Processing, 2022, 31, 598-611. | 9.8 | 16 |
| 3 | Two-Branch Attention Network via Efficient Semantic Coupling for One-Shot Learning. IEEE Transactions on Image Processing, 2022, 31, 341-351. | 9.8 | 3 |
| 4 | Revisiting Audio Visual Scene-Aware Dialog. Neurocomputing, 2022, , . | 5.9 | 0 |
| 5 | Self-Supervised Multiscale Adversarial Regression Network for Stereo Disparity Estimation. IEEE Transactions on Cybernetics, 2021, 51, 4770-4783. | 9.5 | 27 |
| 6 | Boosting Temporal Binary Coding for Large-Scale Video Search. IEEE Transactions on Multimedia, 2021, 23, 353-364. | 7.2 | 9 |
| 7 | Fast Nearest Subspace Search via Random Angular Hashing. IEEE Transactions on Multimedia, 2021, 23, 342-352. | 7.2 | 6 |
| 8 | Hierarchical Deep Hashing for Fast Large Scale Image Retrieval. , 2021, , . | | 1 |
| 9 | Interpreting and Improving Adversarial Robustness of Deep Neural Networks With Neuron Sensitivity. IEEE Transactions on Image Processing, 2021, 30, 1291-1304. | 9.8 | 35 |
| 10 | Understanding adversarial robustness via critical attacking route. Information Sciences, 2021, 547, 568-578. | 6.9 | 14 |
| 11 | Efficient Fine-Grained Visual-Text Search Using Adversarially-Learned Hash Codes. , 2021, , . | | 0 |
| 12 | Multi-Pretext Attention Network For Few-Shot Learning With Self-Supervision. , 2021, , . | | 6 |
| 13 | Sequential alignment attention model for scene text recognition. Journal of Visual Communication and Image Representation, 2021, 80, 103289. | 2.8 | 4 |
| 14 | Explainable deep learning for efficient and robust pattern recognition: A survey of recent developments. Pattern Recognition, 2021, 120, 108102. | 8.1 | 147 |
| 15 | Training Robust Deep Neural Networks via Adversarial Noise Propagation. IEEE Transactions on Image Processing, 2021, 30, 5769-5781. | 9.8 | 35 |
| 16 | Few-shot learning with relation propagation and constraint. IET Computer Vision, 2021, 15, 608-617. | 2.0 | 2 |
| 17 | Diversifying Sample Generation for Accurate Data-Free Quantization. , 2021, , . | | 39 |
| 18 | Dual Attention Suppression Attack: Generate Adversarial Camouflage in Physical World. , 2021, , . | | 56 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | A general non-parametric active learning framework for classification on multiple manifolds. Pattern Recognition Letters, 2020, 130, 250-258. | 4.2 | 4 |
| 20 | GAN-Based virtual-to-real image translation for urban scene semantic segmentation. Neurocomputing, 2020, 394, 127-135. | 5.9 | 22 |
| 21 | Learning binary code for fast nearest subspace search. Pattern Recognition, 2020, 98, 107040. | 8.1 | 55 |
| 22 | Spatio-temporal deformable 3D ConvNets with attention for action recognition. Pattern Recognition, 2020, 98, 107037. | 8.1 | 93 |
| 23 | Balanced Binary Neural Networks with Gated Residual. , 2020, , . | | 12 |
| 24 | Towards Unified INT8 Training for Convolutional Neural Network. , 2020, , . | | 61 |
| 25 | Forward and Backward Information Retention for Accurate Binary Neural Networks. , 2020, , . | | 143 |
| 26 | Introduction to the Special Section on Contextual Object Analysis in Complex Scenes. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3297-3300. | 8.3 | 1 |
| 27 | Rotation Consistent Margin Loss for Efficient Low-Bit Face Recognition. , 2020, , . | | 23 |
| 28 | Learning Unseen Concepts via Hierarchical Decomposition and Composition. , 2020, , . | | 19 |
| 29 | Attention Convolutional Binary Neural Tree for Fine-Grained Visual Categorization. , 2020, , . | | 114 |
| 30 | Distributed Complementary Binary Quantization for Joint Hash Table Learning. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5312-5323. | 11.3 | 7 |
| 31 | Projection based weight normalization: Efficient method for optimization on oblique manifold in DNNs. Pattern Recognition, 2020, 105, 107317. | 8.1 | 5 |
| 32 | Binary neural networks: A survey. Pattern Recognition, 2020, 105, 107281. | 8.1 | 276 |
| 33 | Multi-Task Consistency-Preserving Adversarial Hashing for Cross-Modal Retrieval. IEEE Transactions on Image Processing, 2020, 29, 3626-3637. | 9.8 | 117 |
| 34 | Spatio-Temporal Attention Networks for Action Recognition and Detection. IEEE Transactions on Multimedia, 2020, 22, 2990-3001. | 7.2 | 98 |
| 35 | Bias-Based Universal Adversarial Patch Attack for Automatic Check-Out. Lecture Notes in Computer Science, 2020, , 395-410. | 1.3 | 37 |
| 36 | Spatiotemporal Attacks for Embodied Agents. Lecture Notes in Computer Science, 2020, , 122-138. | 1.3 | 21 |

| # | ARTICLE | IF | CITATIONS |
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| 37 | Patch-Wise Attack for Fooling Deep Neural Network. Lecture Notes in Computer Science, 2020, , 307-322. | 1.3 | 36 |
| 38 | Transductive Relation-Propagation Network for Few-shot Learning. , 2020, , . | | 24 |
| 39 | Perceptual-Sensitive GAN for Generating Adversarial Patches. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 1028-1035. | 4.9 | 115 |
| 40 | Quarter-Point Codeword Expansion for Product Quantization. , 2019, , . | | 0 |
| 41 | Coupled CycleGAN: Unsupervised Hashing Network for Cross-Modal Retrieval. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 176-183. | 4.9 | 71 |
| 42 | Fast and Incremental Loop Closure Detection Using Proximity Graphs. , 2019, , . | | 29 |
| 43 | Dynamic Spatio-Temporal Feature Learning via Graph Convolution in 3D Convolutional Networks. , 2019, , . | | 6 |
| 44 | Differentiable Soft Quantization: Bridging Full-Precision and Low-Bit Neural Networks. , 2019, , . | | 193 |
| 45 | Adversarial Fine-Grained Composition Learning for Unseen Attribute-Object Recognition. , 2019, , . | | 58 |
| 46 | Active Transfer Learning Network: A Unified Deep Joint Spectral Spatial Feature Learning Model for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1741-1754. | 6.3 | 130 |
| 47 | Graph Convolutional Network Hashing for Cross-Modal Retrieval. , 2019, , . | | 56 |
| 48 | Coarse-to-Fine Image Inpainting via Region-wise Convolutions and Non-Local Correlation. , 2019, , . | | 35 |
| 49 | Latent Distribution Preserving Deep Subspace Clustering. , 2019, , . | | 35 |
| 50 | Triplet-Based Deep Hashing Network for Cross-Modal Retrieval. IEEE Transactions on Image Processing, 2018, 27, 3893-3903. | 9.8 | 306 |
| 51 | Active multi-kernel domain adaptation for hyperspectral image classification. Pattern Recognition, 2018, 77, 306-315. | 8.1 | 110 |
| 52 | Two-Stream 3-D convNet Fusion for Action Recognition in Videos With Arbitrary Size and Length. IEEE Transactions on Multimedia, 2018, 20, 634-644. | 7.2 | 209 |
| 53 | Fast graph similarity search via hashing and its application on image retrieval. Multimedia Tools and Applications, 2018, 77, 16177-16198. | 3.9 | 4 |
| 54 | Direct Shape Regression Networks for End-to-End Face Alignment. , 2018, , . | | 70 |

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| 55 | Weighted Quantization and Hamming Search for Fast Image Super-Resolution. , 2018, , . | | 0 |
| 56 | Random Angular Projection for Fast Nearest Subspace Search. Lecture Notes in Computer Science, 2018, , 15-26. | 1.3 | 2 |
| 57 | Dual Conditional GANs for Face Aging and Rejuvenation. , 2018, , . | | 56 |
| 58 | Complementary Binary Quantization for Joint Multiple Indexing. , 2018, , . | | 4 |
| 59 | Deep Joint Semantic-Embedding Hashing. , 2018, , . | | 21 |
| 60 | Progressive Generative Hashing for Image Retrieval. , 2018, , . | | 9 |
| 61 | Hash Bit Selection for Nearest Neighbor Search. IEEE Transactions on Image Processing, 2017, 26, 5367-5380. | 9.8 | 35 |
| 62 | Distributed Adaptive Binary Quantization for Fast Nearest Neighbor Search. IEEE Transactions on Image Processing, 2017, 26, 5324-5336. | 9.8 | 71 |
| 63 | Temporal Binary Coding for Large-Scale Video Search. , 2017, , . | | 7 |
| 64 | Centered Weight Normalization in Accelerating Training of Deep Neural Networks. , 2017, , . | | 26 |
| 65 | Multi-Class Support Vector Machine via Maximizing Multi-Class Margins. , 2017, , . | | 16 |
| 66 | Large-Margin Supervised Hashing. Lecture Notes in Computer Science, 2017, , 259-269. | 1.3 | 0 |
| 67 | Efficient segmentation for Region-based Image Retrieval using Edge Integrated Minimum Spanning Tree. , 2016, , . | | 2 |
| 68 | A novel rotation adaptive object detection method based on pair Hough model. Neurocomputing, 2016, 194, 246-259. | 5.9 | 5 |
| 69 | Query-Adaptive Hash Code Ranking for Large-Scale Multi-View Visual Search. IEEE Transactions on Image Processing, 2016, 25, 4514-4524. | 9.8 | 65 |
| 70 | Bit selection via walks on graph for hash-based nearest neighbor search. Neurocomputing, 2016, 213, 137-146. | 5.9 | 4 |
| 71 | Multilinear Hyperplane Hashing. , 2016, , . | | 22 |
| 72 | Face identification with second-order pooling in single-layer networks. Neurocomputing, 2016, 187, 11-18. | 5.9 | 9 |

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| 73 | Query-Adaptive Reciprocal Hash Tables for Nearest Neighbor Search. IEEE Transactions on Image Processing, 2016, 25, 907-919. | 9.8 | 78 |
| 74 | Structure Sensitive Hashing With Adaptive Product Quantization. IEEE Transactions on Cybernetics, 2016, 46, 2252-2264. | 9.5 | 62 |
| 75 | Unsupervised feature selection through Gram-Schmidt orthogonalization-A word co-occurrence perspective. Neurocomputing, 2016, 173, 845-854. | 5.9 | 22 |
| 76 | Multi-View Complementary Hash Tables for Nearest Neighbor Search. , 2015, , . | | 38 |
| 77 | Large-Scale Unsupervised Hashing with Shared Structure Learning. IEEE Transactions on Cybernetics, 2015, 45, 1811-1822. | 9.5 | 51 |
| 78 | Adaptive multi-bit quantization for hashing. Neurocomputing, 2015, 151, 319-326. | 5.9 | 32 |
| 79 | Online semi-supervised annotation via proxy-based local consistency propagation. Neurocomputing, 2015, 149, 1573-1586. | 5.9 | 16 |
| 80 | Large-scale multi-task image labeling with adaptive relevance discovery and feature hashing. Signal Processing, 2015, 112, 137-145. | 3.7 | 31 |
| 81 | Fast Graph Similarity Search via Locality Sensitive Hashing. Lecture Notes in Computer Science, 2015, , 623-633. | 1.3 | 8 |
| 82 | Query-Adaptive Hash Code Ranking for Fast Nearest Neighbor Search. , 2014, , . | | 23 |
| 83 | Multiple feature kernel hashing for large-scale visual search. Pattern Recognition, 2014, 47, 748-757. | 8.1 | 82 |
| 84 | Collaborative Hashing. , 2014, , . | | 85 |
| 85 | Graph-based active semi-supervised learning: A new perspective for relieving multi-class annotation labor. , 2014, , . | | 4 |
| 86 | Mixed image-keyword query adaptive hashing over multilabel images. ACM Transactions on Multimedia Computing, Communications and Applications, 2014, 10, 1-21. | 4.3 | 21 |
| 87 | Efficient semi-supervised annotation with Proxy-based Local Consistency Propagation. , 2013, , . | | 2 |
| 88 | Hash Bit Selection Using Markov Process for Approximate Nearest Neighbor Search. , 2013, , . | | 2 |
| 89 | Hash Bit Selection: A Unified Solution for Selection Problems in Hashing. , 2013, , . | | 74 |
| 90 | Compact kernel hashing with multiple features. , 2012, , . | | 51 |

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| 91 | Mobile product search with Bag of Hash Bits and boundary reranking. , 2012, , . | | 38 |
| 92 | Multimedia semantics-aware query-adaptive hashing with bits reconfigurability. International Journal of Multimedia Information Retrieval, 2012, 1, 59-70. | 5.2 | 17 |
| 93 | Feature grouping and local soft match for mobile visual search. Pattern Recognition Letters, 2012, 33, 239-246. | 4.2 | 12 |
| 94 | Search by mobile image based on visual and spatial consistency. , 2011, , . | | 5 |
| 95 | An improved noise-robust voice activity detector based on hidden semi-Markov models. Pattern Recognition Letters, 2011, 32, 1044-1053. | 4.2 | 12 |
| 96 | A heuristic algorithm for cube packing with time schedule. Science China Information Sciences, 2010, 53, 18-29. | 4.3 | 1 |
| 97 | A robust voice activity detector based on Weibull and Gaussian Mixture distribution. , 2010, , . | | 2 |
| 98 | Noise-Robust Voice Activity Detector Based on Hidden Semi-Markov Models. , 2010, , . | | 5 |