

# Chenggang Yan

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

3,499  
citations

236925

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h-index

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g-index

69  
all docs

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docs citations

69  
times ranked

2824  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | A Highly Parallel Framework for HEVC Coding Unit Partitioning Tree Decision on Many-core Processors. IEEE Signal Processing Letters, 2014, 21, 573-576.                                  | 3.6  | 333       |
| 2  | CNNs-Based RGB-D Saliency Detection via Cross-View Transfer and Multiview Fusion. IEEE Transactions on Cybernetics, 2018, 48, 3171-3183.   | 9.5  | 286       |
| 3  | Deep Multi-View Enhancement Hashing for Image Retrieval. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1445-1451.  | 13.9 | 279       |
| 4  | STAT: Spatial-Temporal Attention Mechanism for Video Captioning. IEEE Transactions on Multimedia, 2020, 22, 229-241.   | 7.2  | 244       |
| 5  | Supervised Hash Coding With Deep Neural Network for Environment Perception of Intelligent Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 284-295.          | 8.0  | 198       |
| 6  | A Fast Uyghur Text Detector for Complex Background Images. IEEE Transactions on Multimedia, 2018, 20, 3389-3398.   | 7.2  | 164       |
| 7  | Task-Adaptive Attention for Image Captioning. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 43-51.   | 8.3  | 146       |
| 8  | Cross-Modality Bridging and Knowledge Transferring for Image Understanding. IEEE Transactions on Multimedia, 2019, 21, 2675-2685.  | 7.2  | 145       |
| 9  | Depth Image Denoising Using Nuclear Norm and Learning Graph Model. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-17.                            | 4.3  | 145       |
| 10 | 3D Room Layout Estimation From a Single RGB Image. IEEE Transactions on Multimedia, 2020, 22, 3014-3024.   | 7.2  | 139       |
| 11 | Effective Uyghur Language Text Detection in Complex Background Images for Traffic Prompt Identification. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 220-229.     | 8.0  | 137       |
| 12 | Asymptotic Soft Filter Pruning for Deep Convolutional Neural Networks. IEEE Transactions on Cybernetics, 2020, 50, 3594-3604.  | 9.5  | 111       |
| 13 | Age-Invariant Face Recognition by Multi-Feature Fusion and Decomposition with Self-attention. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-18. | 4.3  | 81        |
| 14 | Unsupervised Person Re-identification via Cross-Camera Similarity Exploration. IEEE Transactions on Image Processing, 2020, 29, 5481-5490.   | 9.8  | 70        |
| 15 | Hierarchical Feature Selection for Random Projection. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1581-1586.  | 11.3 | 69        |
| 16 | Precise No-Reference Image Quality Evaluation Based on Distortion Identification. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-21.             | 4.3  | 68        |
| 17 | Each Part Matters: Local Patterns Facilitate Cross-View Geo-Localization. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 867-879.                             | 8.3  | 66        |
| 18 | Adaptive Residual Networks for High-Quality Image Restoration. IEEE Transactions on Image Processing, 2018, 27, 3150-3163.   | 9.8  | 63        |

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|----|--|------|-----------|
| 19 | Beyond the Parts: Learning Multi-view Cross-part Correlation for Vehicle Re-identification. , 2020, , .  |      | 54        |
| 20 | Ecological Cooperative Adaptive Cruise Control for a Heterogeneous Platoon of Heavy-Duty Vehicles With Time Delays. IEEE Access, 2020, 8, 146208-146219.                             | 4.2  | 53        |
| 21 | Edge-Guided Recurrent Positioning Network for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Cybernetics, 2023, 53, 539-552.                        | 9.5  | 53        |
| 22 | Edge-Aware Multiscale Feature Integration Network for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15. | 6.3  | 43        |
| 23 | Dynamic Selective Network for RGB-D Salient Object Detection. IEEE Transactions on Image Processing, 2021, 30, 9179-9192.  | 9.8  | 43        |
| 24 | Predict MiRNA-Disease Association with Collaborative Filtering. Neuroinformatics, 2018, 16, 363-372.   | 2.8  | 41        |
| 25 | AutoBD: Automated Bi-Level Description for Scalable Fine-Grained Visual Categorization. IEEE Transactions on Image Processing, 2018, 27, 10-23.                                      | 9.8  | 33        |
| 26 | Dense Attention-Guided Cascaded Network for Salient Object Detection of Strip Steel Surface Defects. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.           | 4.7  | 33        |
| 27 | SACMDA: MiRNA-Disease Association Prediction with Short Acyclic Connections in Heterogeneous Graph. Neuroinformatics, 2018, 16, 373-382.   | 2.8  | 26        |
| 28 | Mining Spatial-Temporal Similarity for Visual Tracking. IEEE Transactions on Image Processing, 2020, 29, 8107-8119.  | 9.8  | 25        |
| 29 | Stroke prediction from electrocardiograms by deep neural network. Multimedia Tools and Applications, 2021, 80, 17291-17297.  | 3.9  | 25        |
| 30 | Cascaded Revision Network for Novel Object Captioning. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3413-3421.  | 8.3  | 23        |
| 31 | Double-Bit Quantization and Index Hashing for Nearest Neighbor Search. IEEE Transactions on Multimedia, 2019, 21, 1248-1260.   | 7.2  | 22        |
| 32 | Learning salient features to prevent model drift for correlation tracking. Neurocomputing, 2020, 418, 1-10.  | 5.9  | 20        |
| 33 | Corrections to "STAT: Spatial-Temporal Attention Mechanism for Video Captioning". IEEE Transactions on Multimedia, 2020, 22, 830-830.  | 7.2  | 20        |
| 34 | Economic Adaptive Cruise Control for Electric Vehicles Based on ADHDP in a Car-Following Scenario. IEEE Access, 2021, 9, 74949-74958.  | 4.2  | 16        |
| 35 | Learning Frequency Domain Priors for Image Demoireing. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 7705-7717.  | 13.9 | 15        |
| 36 | Multi-Scale Representation Learning on Hypergraph for 3D Shape Retrieval and Recognition. IEEE Transactions on Image Processing, 2021, 30, 5327-5338.                                | 9.8  | 15        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | Self-Supervised Synthesis Ranking for Deep Metric Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4736-4750.   | 8.3  | 14        |
| 38 | Parameters Analysis of Sample Entropy, Permutation Entropy and Permutation Ratio Entropy for RR Interval Time Series. Information Processing and Management, 2020, 57, 102283.                         | 8.6  | 13        |
| 39 | Deep fusion based video saliency detection. Journal of Visual Communication and Image Representation, 2019, 62, 279-285.   | 2.8  | 12        |
| 40 | Rich Embedding Features for One-Shot Semantic Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6484-6493.  | 11.3 | 12        |
| 41 | Constrained Predictive Filters for Single Image Bokeh Rendering. IEEE Transactions on Computational Imaging, 2022, 8, 346-357.   | 4.4  | 11        |
| 42 | Ziv-Zakai Bound for Compressive Time Delay Estimation. IEEE Transactions on Signal Processing, 2022, 70, 4006-4019.  | 5.3  | 11        |
| 43 | Weighted Convolutional Motion-Compensated Frame Rate Up-Conversion Using Deep Residual Network. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 11-22.                       | 8.3  | 10        |
| 44 | Adaptive Hypergraph Auto-Encoder for Relational Data Clustering. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.   | 5.7  | 10        |
| 45 | <sup>2</sup> Transformer: Intra- and Inter-Relation Embedding Transformer for TV Show Captioning. IEEE Transactions on Image Processing, 2022, 31, 3565-3577.  | 9.8  | 10        |
| 46 | Towards context-aware collaborative filtering by learning context-aware latent representations. Knowledge-Based Systems, 2020, 199, 105988.  | 7.1  | 9         |
| 47 | Joint Local Correlation and Global Contextual Information for Unsupervised 3D Model Retrieval and Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3265-3278. | 8.3  | 9         |
| 48 | Cross-modal feature extraction and integration based RGBD saliency detection. Image and Vision Computing, 2020, 101, 103964.   | 4.5  | 8         |
| 49 | FANet: Feature aggregation network for RGBD saliency detection. Signal Processing: Image Communication, 2022, 102, 116591.   | 3.2  | 8         |
| 50 | DPFMDA: Distributed and privatized framework for miRNA-Disease association prediction. Pattern Recognition Letters, 2018, 109, 4-11.   | 4.2  | 7         |
| 51 | Depth-guided saliency detection via boundary information. Image and Vision Computing, 2020, 103, 104001.   | 4.5  | 7         |
| 52 | CBREN: Convolutional Neural Networks for Constant Bit Rate Video Quality Enhancement. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4138-4149.                             | 8.3  | 5         |
| 53 | Leveraging Multiple Implicit Feedback for Personalized Recommendation with Neural Network. , 2019, , .   |      | 4         |
| 54 | CFMDA: collaborative filtering-based MiRNA-disease association prediction. Multimedia Tools and Applications, 2019, 78, 605-618.   | 3.9  | 4         |

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|----|--|------|-----------|
| 55 | An integrated classification model for incremental learning. Multimedia Tools and Applications, 2021, 80, 17275-17290.   | 3.9  | 4         |
| 56 | Cross-modal semantic correlation learning by Bi-CNN network. IET Image Processing, 2021, 15, 3674-3684.  | 2.5  | 4         |
| 57 | Three-dimensional laser scanning under the pinhole camera with lens distortion. Machine Vision and Applications, 2017, 28, 737-742.  | 2.7  | 3         |
| 58 | TraND: Transferable Neighborhood Discovery for Unsupervised Cross-Domain Gait Recognition. , 2021, , .   |      | 3         |
| 59 | Bidirectional difference locating and semantic consistency reasoning for change captioning. International Journal of Intelligent Systems, 2022, 37, 2969-2987.             | 5.7  | 3         |
| 60 | A survey of memory deduplication approaches for intelligent urban computing. Machine Vision and Applications, 2017, 28, 705-714.   | 2.7  | 2         |
| 61 | A Flower Classification Framework Based on Ensemble of CNNs. Lecture Notes in Computer Science, 2018, , 235-244.   | 1.3  | 2         |
| 62 | An alternative reconstruction framework with optimal permission source region for bioluminescence tomography. Optics Communications, 2018, 427, 112-122.                   | 2.1  | 2         |
| 63 | Truncated Gradient Confidence-Weighted Based Online Learning for Imbalance Streaming Data. , 2019, , .   |      | 2         |
| 64 | Hamming Embedding Sensitivity Guided Fusion Network for 3D Shape Representation. IEEE Transactions on Image Processing, 2020, 29, 8381-8390.                               | 9.8  | 2         |
| 65 | Learning Local Distribution for Extremely Efficient Single-Image Super-Resolution. Electronics (Switzerland), 2022, 11, 1348.  | 3.1  | 2         |
| 66 | Real-time indoor scene reconstruction with Manhattan assumption. Multimedia Tools and Applications, 2019, 78, 713-726.   | 3.9  | 1         |
| 67 | Uyghur Text Localization with Fast Component Detection. Lecture Notes in Computer Science, 2018, , 565-577.  | 1.3  | 1         |
| 68 | Image Denoising with Local Dense and Adaptive Global Residual Networks. Lecture Notes in Computer Science, 2018, , 27-37.  | 1.3  | 0         |
| 69 | Group-wise Hub Identification by Learning Common Graph Embeddings on Grassmannian Manifold. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1. | 13.9 | 0         |