

# Jia Li

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

8,519  
citations

257450

24  
h-index

233421

45  
g-index

73  
all docs

73  
docs citations

73  
times ranked

4717  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Multisource Single-Cell Data Integration by MAW Barycenter for Gaussian Mixture Models. <i>Biometrics</i> , 2023, 79, 866-877.  | 1.4  | 1         |
| 2  | Epsilon Consistent Mixup: Structural regularization with an adaptive consistencyâ€”interpolation tradeâ€”off. <i>Stat</i> , 2022, 11, e425.   | 0.4  | 0         |
| 3  | Applications of the Geometry-Sensitive Ensemble Mean for Lake-Effect Snowbands and Other Weather Phenomena. <i>Monthly Weather Review</i> , 2022, 150, 409-429.                                 | 1.4  | 0         |
| 4  | VtNet: A neural network with variable importance assessment. <i>Stat</i> , 2021, 10, e325.  | 0.4  | 0         |
| 5  | Optimal Transport With Relaxed Marginal Constraints. <i>IEEE Access</i> , 2021, 9, 58142-58160.   | 4.2  | 1         |
| 6  | Aggregated Wasserstein Distance and State Registration for Hidden Markov Models. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020, 42, 2133-2147.                   | 13.9 | 18        |
| 7  | ARBEE: Towards Automated Recognition of Bodily Expression of Emotion in the Wild. <i>International Journal of Computer Vision</i> , 2020, 128, 1-25.  | 15.6 | 54        |
| 8  | CPS analysis: self-contained validation of biomedical data clustering. <i>Bioinformatics</i> , 2020, 36, 3516-3521.   | 4.1  | 8         |
| 9  | SCOTT: Shape-Location Combined Tracking with Optimal Transport. <i>SIAM Journal on Mathematics of Data Science</i> , 2020, 2, 284-308.  | 1.8  | 3         |
| 10 | Detecting Comma-Shaped Clouds for Severe Weather Forecasting Using Shape and Motion. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 3788-3801.                           | 6.3  | 11        |
| 11 | Optimal transport, mean partition, and uncertainty assessment in cluster analysis. <i>Statistical Analysis and Data Mining</i> , 2019, 12, 359-377.   | 2.8  | 13        |
| 12 | Probabilistic Multigraph Modeling for Improving the Quality of Crowdsourced Affective Data. <i>IEEE Transactions on Affective Computing</i> , 2019, 10, 115-128.                                | 8.3  | 14        |
| 13 | Advancing science and technology with big data analytics. <i>Statistical Analysis and Data Mining</i> , 2018, 11, 97-97.  | 2.8  | 0         |
| 14 | Development and validation of Image Stimuli for Emotion Elicitation (ISEE): A novel affective pictorial system with test-retest repeatability. <i>Psychiatry Research</i> , 2018, 261, 414-420. | 3.3  | 6         |
| 15 | Geometry-Sensitive Ensemble Mean Based on Wasserstein Barycenters: Proof-of-Concept on Cloud Simulations. <i>Journal of Computational and Graphical Statistics</i> , 2018, 27, 785-797.         | 1.7  | 3         |
| 16 | Fast Discrete Distribution Clustering Using Wasserstein Barycenter With Sparse Support. <i>IEEE Transactions on Signal Processing</i> , 2017, 65, 2317-2332.                                    | 5.3  | 44        |
| 17 | Severe Thunderstorm Detection by Visual Learning Using Satellite Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 1039-1052.                                       | 6.3  | 10        |
| 18 | An investigation into three visual characteristics of complex scenes that evoke human emotion. , 2017, 2017, 440-447.   |      | 11        |

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|----|---|------|-----------|
| 19 | Baum-Welch algorithm on directed acyclic graph for mixtures with latent Bayesian networks. Stat, 2017, 6, 303-314.  | 0.4  | 1         |
| 20 | Distance-based mixture modeling for classification via hypothetical local mapping. Statistical Analysis and Data Mining, 2016, 9, 43-57.  | 2.8  | 3         |
| 21 | A Distance for HMMs Based on Aggregated Wasserstein Metric and State Registration. Lecture Notes in Computer Science, 2016, , 451-466.  | 1.3  | 6         |
| 22 | Identifying Emotions Aroused from Paintings. Lecture Notes in Computer Science, 2016, , 48-63.  | 1.3  | 7         |
| 23 | Parallel Massive Clustering of Discrete Distributions. ACM Transactions on Multimedia Computing, Communications and Applications, 2015, 11, 1-24.   | 4.3  | 7         |
| 24 | Photo Composition Feedback and Enhancement. , 2015, , 113-144.  |      | 11        |
| 25 | Modeling Perspective Effects in Photographic Composition. , 2015, , .   |      | 4         |
| 26 | Circular Pipelining: Minimizing Round-Trip Delay in Low-Duty-Cycle Wireless Networks. , 2014, , .   |      | 4         |
| 27 | Scaling up discrete distribution clustering using ADMM. , 2014, , .   |      | 4         |
| 28 | Enhancing Training Collections for Image Annotation: An Instance-Weighted Mixture Modeling Approach. IEEE Transactions on Image Processing, 2013, 22, 3562-3577.  | 9.8  | 3         |
| 29 | Variable Selection for Clustering by Separability Based on Ridgelines. Journal of Computational and Graphical Statistics, 2012, 21, 315-336.  | 1.7  | 30        |
| 30 | On shape and the computability of emotions. , 2012, 2012, 229-238.  |      | 114       |
| 31 | Rhythmic Brushstrokes Distinguish van Gogh from His Contemporaries: Findings via Automated Brushstroke Extraction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1159-1176. | 13.9 | 115       |
| 32 | OSCAR: On-Site Composition and Aesthetics Feedback Through Exemplars for Photographers. International Journal of Computer Vision, 2012, 96, 353-383.  | 15.6 | 61        |
| 33 | Automatic image semantic interpretation using social action and tagging data. Multimedia Tools and Applications, 2011, 51, 213-246.   | 3.9  | 40        |
| 34 | Agglomerative connectivity constrained clustering for image segmentation. Statistical Analysis and Data Mining, 2011, 4, 84-99.   | 2.8  | 12        |
| 35 | Aesthetics and Emotions in Images. IEEE Signal Processing Magazine, 2011, 28, 94-115.   | 5.6  | 300       |
| 36 | Two-way Gaussian mixture models for high dimensional classification. Statistical Analysis and Data Mining, 2010, 3, 259-271.  | 2.8  | 2         |

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|----|--|------|-----------|
| 37 | Quest for relevant tags using local interaction networks and visual content. , 2010, , .   |      | 20        |
| 38 | Characterizing elegance of curves computationally for distinguishing Morrisseau paintings and the imitations. , 2009, , .  |      | 4         |
| 39 | Image retrieval. ACM Computing Surveys, 2008, 40, 1-60.  | 23.0 | 2,430     |
| 40 | Image processing for artist identification. IEEE Signal Processing Magazine, 2008, 25, 37-48.  | 5.6  | 220       |
| 41 | Real-Time Computerized Annotation of Pictures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 985-1002.                                 | 13.9 | 352       |
| 42 | Tagging over time. , 2007, , .   |      | 21        |
| 43 | Extracting Author Meta-Data from Web Using Visual Features. , 2007, , .  |      | 9         |
| 44 | A Stochastic Approach to 3-D Image Modeling. , 2006, , .   |      | 0         |
| 45 | Two-way Poisson mixture models for simultaneous document classification and word clustering. Computational Statistics and Data Analysis, 2006, 50, 163-180.        | 1.2  | 45        |
| 46 | Machine annotation and retrieval for digital imagery of historical materials. International Journal on Digital Libraries, 2006, 6, 18-29.                          | 1.5  | 8         |
| 47 | The Story Picturing Engine—a system for automatic text illustration. ACM Transactions on Multimedia Computing, Communications and Applications, 2006, 2, 68-89.    | 4.3  | 80        |
| 48 | Clustering Based on a Multilayer Mixture Model. Journal of Computational and Graphical Statistics, 2005, 14, 547-568.  | 1.7  | 66        |
| 49 | Large-scale Satellite Image Browsing using Automatic Semantic Categorization. , 2005, , .  |      | 4         |
| 50 | A new Mallows distance based metric for comparing clusterings. , 2005, , .   |      | 37        |
| 51 | Studying Digital Imagery of Ancient Paintings by Mixtures of Stochastic Models. IEEE Transactions on Image Processing, 2004, 13, 340-353.                          | 9.8  | 138       |
| 52 | Automatic linguistic indexing of pictures by a statistical modeling approach. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 1075-1088. | 13.9 | 828       |
| 53 | Covariation in Frequencies of Substitution, Deletion, Transposition, and Recombination During Eutherian Evolution. Genome Research, 2003, 13, 13-26.               | 5.5  | 263       |
| 54 | Significance of Interspecies Matches when Evolutionary Rate Varies. Journal of Computational Biology, 2003, 10, 537-554.   | 1.6  | 12        |

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|----|--|------|-----------|
| 55 | Learning-based linguistic indexing of pictures with 2-d MHMMs. , 2002, , .   |      | 50        |
| 56 | A Lagrangian formulation of Zador's entropy-constrained quantization theorem. IEEE Transactions on Information Theory, 2002, 48, 695-707.                              | 2.4  | 37        |
| 57 | Simultaneous classification and feature clustering using discriminant vector quantization with applications to microarray data analysis. Proceedings, 2002, 1, 246-55. | 0.1  | 1         |
| 58 | Unsupervised multiresolution segmentation for images with low depth of field. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 85-90.         | 13.9 | 131       |
| 59 | SIMPLcity: semantics-sensitive integrated matching for picture libraries. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 947-963.           | 13.9 | 1,727     |
| 60 | Multiresolution image classification by hierarchical modeling with two-dimensional hidden Markov models. IEEE Transactions on Information Theory, 2000, 46, 1826-1841. | 2.4  | 87        |
| 61 | Context-based multiscale classification of document images using wavelet coefficient distributions. IEEE Transactions on Image Processing, 2000, 9, 1604-1616.         | 9.8  | 59        |
| 62 | Image classification by a two-dimensional hidden Markov model. IEEE Transactions on Signal Processing, 2000, 48, 517-533.  | 5.3  | 225       |
| 63 | Image Segmentation and Compression Using Hidden Markov Models. , 2000, , .   |      | 25        |
| 64 | Asymptotic performance of vector quantizers with a perceptual distortion measure. IEEE Transactions on Information Theory, 1999, 45, 1082-1091.                        | 2.4  | 60        |
| 65 | Image classification by a two dimensional hidden Markov model. , 1999, , .   |      | 12        |
| 66 | Multiresolution tree structured vector quantization. , 0, , .  |      | 0         |
| 67 | Asymptotic performance of vector quantizers with the perceptual distortion measure. , 0, , .   |      | 5         |
| 68 | Classification of textured and non-textured images using region segmentation. , 0, , .   |      | 19        |
| 69 | Simultaneous classification and feature clustering using discriminant vector quantization with applications to microarray data analysis. , 0, , .                      |      | 5         |
| 70 | Evaluation strategies for automatic linguistic indexing of pictures. , 0, , .  |      | 4         |
| 71 | Block-wise Variable Selection for Clustering via Latent States of Mixture Models. Journal of Computational and Graphical Statistics, 0, , 1-32.                        | 1.7  | 3         |