Jia Li

List of Publications by Year
in descending order

71 papers	8,519 citations

257357

24 h-index

233338

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. Biometrics, 2023, 79, 866-877.	0.8	1
2	Epsilon Consistent Mixup: Structural regularization with an adaptive consistency–interpolation trade–off. Stat, 2022, 11, e425.	0.3	0
3	Applications of the Geometry-Sensitive Ensemble Mean for Lake-Effect Snowbands and Other Weather Phenomena. Monthly Weather Review, 2022, 150, 409-429.	0.5	0
4	VtNet: A neural network with variable importance assessment. Stat, 2021, 10, e325.	0.3	0
5	Optimal Transport With Relaxed Marginal Constraints. IEEE Access, 2021, 9, 58142-58160.	2.6	1
6	Aggregated Wasserstein Distance and State Registration for Hidden Markov Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 2133-2147.	9.7	18
7	ARBEE: Towards Automated Recognition of Bodily Expression of Emotion in the Wild. International Journal of Computer Vision, 2020, 128, 1-25.	10.9	54
8	CPS analysis: self-contained validation of biomedical data clustering. Bioinformatics, 2020, 36, 3516-3521.	1.8	8
9	SCOTT: Shape-Location Combined Tracking with Optimal Transport. SIAM Journal on Mathematics of Data Science, 2020, 2, 284-308.	1.0	3
10	Detecting Comma-Shaped Clouds for Severe Weather Forecasting Using Shape and Motion. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3788-3801.	2.7	11
11	Optimal transport, mean partition, and uncertainty assessment in cluster analysis. Statistical Analysis and Data Mining, 2019, 12, 359-377.	1.4	13
12	Probabilistic Multigraph Modeling for Improving the Quality of Crowdsourced Affective Data. IEEE Transactions on Affective Computing, 2019, 10, 115-128.	5.7	14
13	Advancing science and technology with big data analytics. Statistical Analysis and Data Mining, 2018, 11, 97-97.	1.4	0
14	Development and validation of Image Stimuli for Emotion Elicitation (ISEE): A novel affective pictorial system with test-retest repeatability. Psychiatry Research, 2018, 261, 414-420.	1.7	6
15	Geometry-Sensitive Ensemble Mean Based on Wasserstein Barycenters: Proof-of-Concept on Cloud Simulations. Journal of Computational and Graphical Statistics, 2018, 27, 785-797.	0.9	3
16	Fast Discrete Distribution Clustering Using Wasserstein Barycenter With Sparse Support. IEEE Transactions on Signal Processing, 2017, 65, 2317-2332.	3.2	44
17	Severe Thunderstorm Detection by Visual Learning Using Satellite Images. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1039-1052.	2.7	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.	0.3	1
20	Distance€based mixture modeling for classification via hypothetical local mapping. Statistical Analysis and Data Mining, 2016, 9, 43-57.	1.4	3
21	A Distance for HMMs Based on Aggregated Wasserstein Metric and State Registration. Lecture Notes in Computer Science, 2016, , 451-466.	1.0	6
22	Identifying Emotions Aroused from Paintings. Lecture Notes in Computer Science, 2016, , 48-63.	1.0	7
23	Parallel Massive Clustering of Discrete Distributions. ACM Transactions on Multimedia Computing, Communications and Applications, 2015, 11, 1-24.	3.0	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.	6.0	3
29	Variable Selection for Clustering by Separability Based on Ridgelines. Journal of Computational and Graphical Statistics, 2012, 21, 315-336.	0.9	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.	9.7	115
32	OSCAR: On-Site Composition and Aesthetics Feedback Through Exemplars for Photographers. International Journal of Computer Vision, 2012, 96, 353-383.	10.9	61
33	Automatic image semantic interpretation using social action and tagging data. Multimedia Tools and Applications, 2011, 51, 213-246.	2.6	40
34	Agglomerative connectivity constrained clustering for image segmentation. Statistical Analysis and Data Mining, 2011, 4, 84-99.	1.4	12
35	Aesthetics and Emotions in Images. IEEE Signal Processing Magazine, 2011, 28, 94-115.	4.6	300
36	Two€way Gaussian mixture models for high dimensional classification. Statistical Analysis and Data Mining, 2010, 3, 259-271.	1.4	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.	16.1	2,430
40	Image processing for artist identification. IEEE Signal Processing Magazine, 2008, 25, 37-48.	4.6	220
41	Real-Time Computerized Annotation of Pictures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 985-1002.	9.7	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.	0.7	45
46	Machine annotation and retrieval for digital imagery of historical materials. International Journal on Digital Libraries, 2006, 6, 18-29.	1.1	8
47	The Story Picturing Engine---a system for automatic text illustration. ACM Transactions on Multimedia Computing, Communications and Applications, 2006, 2, 68-89.	3.0	80
48	Clustering Based on a Multilayer Mixture Model. Journal of Computational and Graphical Statistics, 2005, 14, 547-568.	0.9	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.	6.0	138
52	Automatic linguistic indexing of pictures by a statistical modeling approach. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 1075-1088.	9.7	828
53	Covariation in Frequencies of Substitution, Deletion, Transposition, and Recombination During Eutherian Evolution. Genome Research, 2003, 13, 13-26.	2.4	263
54	Significance of Interspecies Matches when Evolutionary Rate Varies. Journal of Computational Biology, 2003, 10, 537-554.	0.8	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.	1.5	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.	9.7	131
59	SIMPLIcity: semantics-sensitive integrated matching for picture libraries. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 947-963.	9.7	1,727
60	Multiresolution image classification by hierarchical modeling with two-dimensional hidden Markov models. IEEE Transactions on Information Theory, 2000, 46, 1826-1841.	1.5	87
61	Context-based multiscale classification of document images using wavelet coefficient distributions. IEEE Transactions on Image Processing, 2000, 9, 1604-1616.	6.0	59
62	Image classification by a two-dimensional hidden Markov model. IEEE Transactions on Signal Processing, 2000, 48, 517-533.	3.2	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.	1.5	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.	0.9	3