Jia Li

List of Publications by Year
in descending order

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	Image retrieval. ACM Computing Surveys, 2008, 40, 1-60.	23.0	2,430
2	SIMPLIcity: semantics-sensitive integrated matching for picture libraries. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 947-963.	13.9	1,727
3	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
4	Real-Time Computerized Annotation of Pictures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 985-1002.	13.9	352
5	Aesthetics and Emotions in Images. IEEE Signal Processing Magazine, 2011, 28, 94-115.	5.6	300
6	Covariation in Frequencies of Substitution, Deletion, Transposition, and Recombination During Eutherian Evolution. Genome Research, 2003, 13, 13-26.	5.5	263
7	Image classification by a two-dimensional hidden Markov model. IEEE Transactions on Signal Processing, 2000, 48, 517-533.	5.3	225
8	Image processing for artist identification. IEEE Signal Processing Magazine, 2008, 25, 37-48.	5.6	220
9	Studying Digital Imagery of Ancient Paintings by Mixtures of Stochastic Models. IEEE Transactions on Image Processing, 2004, 13, 340-353.	9.8	138
10	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
11	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
12	On shape and the computability of emotions. , 2012, 2012, 229-238.		114
13	Multiresolution image classification by hierarchical modeling with two-dimensional hidden Markov models. IEEE Transactions on Information Theory, 2000, 46, 1826-1841.	2.4	87
14	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
15	Clustering Based on a Multilayer Mixture Model. Journal of Computational and Graphical Statistics, 2005, 14, 547-568.	1.7	66
16	OSCAR: On-Site Composition and Aesthetics Feedback Through Exemplars for Photographers. International Journal of Computer Vision, 2012, 96, 353-383.	15.6	61
17	Asymptotic performance of vector quantizers with a perceptual distortion measure. IEEE Transactions on Information Theory, 1999, 45, 1082-1091.	2.4	60
18	Context-based multiscale classification of document images using wavelet coefficient distributions. IEEE Transactions on Image Processing, 2000, 9, 1604-1616.	9.8	59

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19	ARBEE: Towards Automated Recognition of Bodily Expression of Emotion in the Wild. International Journal of Computer Vision, 2020, 128, 1-25.	15.6	54
20	Learning-based linguistic indexing of pictures with 2--d MHMMs. , 2002, , .		50
21	Two-way Poisson mixture models for simultaneous document classification and word clustering. Computational Statistics and Data Analysis, 2006, 50, 163-180.	1.2	45
22	Fast Discrete Distribution Clustering Using Wasserstein Barycenter With Sparse Support. IEEE Transactions on Signal Processing, 2017, 65, 2317-2332.	5.3	44
23	Automatic image semantic interpretation using social action and tagging data. Multimedia Tools and Applications, 2011, 51, 213-246.	3.9	40
24	A Lagrangian formulation of Zador's entropy-constrained quantization theorem. IEEE Transactions on Information Theory, 2002, 48, 695-707.	2.4	37
25	A new Mallows distance based metric for comparing clusterings. , 2005, , .		37
26	Variable Selection for Clustering by Separability Based on Ridgelines. Journal of Computational and Graphical Statistics, 2012, 21, 315-336.	1.7	30
27	Image Segmentation and Compression Using Hidden Markov Models. , 2000, , .		25
28	Tagging over time. , 2007, , .		21
29	Quest for relevant tags using local interaction networks and visual content. , 2010, , .		20
30	Classification of textured and non-textured images using region segmentation. , 0, , .		19
31	Aggregated Wasserstein Distance and State Registration for Hidden Markov Models. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 2133-2147.	13.9	18
32	Probabilistic Multigraph Modeling for Improving the Quality of Crowdsourced Affective Data. IEEE Transactions on Affective Computing, 2019, 10, 115-128.	8.3	14
33	Optimal transport, mean partition, and uncertainty assessment in cluster analysis. Statistical Analysis and Data Mining, 2019, 12, 359-377.	2.8	13
34	Image classification by a two dimensional hidden Markov model. , 1999, , .		12
35	Significance of Interspecies Matches when Evolutionary Rate Varies. Journal of Computational Biology, 2003, 10, 537-554.	1.6	12
36	Agglomerative connectivity constrained clustering for image segmentation. Statistical Analysis and Data Mining, 2011, 4, 84-99.	2.8	12

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37	An investigation into three visual characteristics of complex scenes that evoke human emotion. , 2017, 2017, 440-447.		11
38	Detecting Comma-Shaped Clouds for Severe Weather Forecasting Using Shape and Motion. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 3788-3801.	6.3	11
39	Photo Composition Feedback and Enhancement. , 2015, , 113-144.		11
40	Severe Thunderstorm Detection by Visual Learning Using Satellite Images. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1039-1052.	6.3	10
41	Extracting Author Meta-Data from Web Using Visual Features. , 2007, , .		9
42	Machine annotation and retrieval for digital imagery of historical materials. International Journal on Digital Libraries, 2006, 6, 18-29.	1.5	8
43	CPS analysis: self-contained validation of biomedical data clustering. Bioinformatics, 2020, 36, 3516-3521.	4.1	8
44	Parallel Massive Clustering of Discrete Distributions. ACM Transactions on Multimedia Computing, Communications and Applications, 2015, 11, 1-24.	4.3	7
45	Identifying Emotions Aroused from Paintings. Lecture Notes in Computer Science, 2016, , 48-63.	1.3	7
46	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.	3.3	6
47	A Distance for HMMs Based on Aggregated Wasserstein Metric and State Registration. Lecture Notes in Computer Science, 2016, , 451-466.	1.3	6
48	Asymptotic performance of vector quantizers with the perceptual distortion measure. , 0, , .		5
49	Simultaneous classification and feature clustering using discriminant vector quantization with applications to microarray data analysis. , 0, , .		5
50	Evaluation strategies for automatic linguistic indexing of pictures. , 0, , .		4
51	Large-scale Satellite Image Browsing using Automatic Semantic Categorization. , 2005, , .		4
52	Characterizing elegance of curves computationally for distinguishing Morrisseau paintings and the imitations. , 2009, , .		4
53	Circular Pipelining: Minimizing Round-Trip Delay in Low-Duty-Cycle Wireless Networks. , 2014, , .		4
54	Scaling up discrete distribution clustering using ADMM. , 2014, , .		4

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55	Modeling Perspective Effects in Photographic Composition. , 2015, , .		4
56	Enhancing Training Collections for Image Annotation: An Instance-Weighted Mixture Modeling Approach. IEEE Transactions on Image Processing, 2013, 22, 3562-3577.	9.8	3
57	Distanceâ€based mixture modeling for classification via hypothetical local mapping. Statistical Analysis and Data Mining, 2016, 9, 43-57.	2.8	3
58	Geometry-Sensitive Ensemble Mean Based on Wasserstein Barycenters: Proof-of-Concept on Cloud Simulations. Journal of Computational and Graphical Statistics, 2018, 27, 785-797.	1.7	3
59	SCOTT: Shape-Location Combined Tracking with Optimal Transport. SIAM Journal on Mathematics of Data Science, 2020, 2, 284-308.	1.8	3
60	Block-wise Variable Selection for Clustering via Latent States of Mixture Models. Journal of Computational and Graphical Statistics, 0, , 1-32.	1.7	3
61	Twoâ€way Gaussian mixture models for high dimensional classification. Statistical Analysis and Data Mining, 2010, 3, 259-271.	2.8	2
62	Baum-Welch algorithm on directed acyclic graph for mixtures with latent Bayesian networks. Stat, 2017, 6, 303-314.	0.4	1
63	Optimal Transport With Relaxed Marginal Constraints. IEEE Access, 2021, 9, 58142-58160.	4.2	1
64	Simultaneous classification and feature clustering using discriminant vector quantization with applications to microarray data analysis. Proceedings, 2002, 1, 246-55.	0.1	1
65	Multisource Single-Cell Data Integration by MAW Barycenter for Gaussian Mixture Models. Biometrics, 2023, 79, 866-877.	1.4	1
66	Multiresolution tree structured vector quantization. , 0, , .		0
67	A Stochastic Approach to 3-D Image Modeling. , 2006, , .		0
68	Advancing science and technology with big data analytics. Statistical Analysis and Data Mining, 2018, 11, 97-97.	2.8	0
69	VtNet: A neural network with variable importance assessment. Stat, 2021, 10, e325.	0.4	0
70	Epsilon Consistent Mixup: Structural regularization with an adaptive consistencyâ€interpolation tradeâ€off. Stat, 2022, 11, e425.	0.4	0
71	Applications of the Geometry-Sensitive Ensemble Mean for Lake-Effect Snowbands and Other Weather Phenomena. Monthly Weather Review, 2022, 150, 409-429.	1.4	0