

Ming Dong

List of Publications by Year in descending order

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68
papers

2,136
citations

516710

16
h-index

434195

31
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68
all docs

68
docs citations

68
times ranked

2255
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning Salient Features for Speech Emotion & Recognition Using Convolutional & Neural Networks. IEEE Transactions on Multimedia, 2014, 16, 2203-2213.	7.2	460
2	Speech Emotion Recognition Using CNN. , 2014, , .		245
3	Generating synthetic CTs from magnetic resonance images using generative adversarial networks. Medical Physics, 2018, 45, 3627-3636.	3.0	207
4	Using Ranking-CNN for Age Estimation. , 2017, , .		172
5	Non-negative matrix factorization for semi-supervised data clustering. Knowledge and Information Systems, 2008, 17, 355-379.	3.2	102
6	Non-Negative Matrix Factorization for Semisupervised Heterogeneous Data Coclustering. IEEE Transactions on Knowledge and Data Engineering, 2010, 22, 1459-1474.	5.7	87
7	Feature subset selection using a new definition of classifiability. Pattern Recognition Letters, 2003, 24, 1215-1225.	4.2	64
8	Localized feature selection for clustering. Pattern Recognition Letters, 2008, 29, 10-18.	4.2	62
9	Cardiac substructure segmentation with deep learning for improved cardiac sparing. Medical Physics, 2020, 47, 576-586.	3.0	61
10	Look-ahead based fuzzy decision tree induction. IEEE Transactions on Fuzzy Systems, 2001, 9, 461-468.	9.8	60
11	Region-based Image Annotation using Asymmetrical Support Vector Machine-based Multiple-Instance Learning. , 0, , .		59
12	Exemplar-based Visualization of Large Document Corpus (InfoVis2009-1115). IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 1161-1168.	4.4	51
13	Co-clustering Documents and Words Using Bipartite Isoperimetric Graph Partitioning. IEEE International Conference on Data Mining, 2006, , .	0.0	47
14	A study of the effectiveness of machine learning methods for classification of clinical interview fragments into a large number of categories. Journal of Biomedical Informatics, 2016, 62, 21-31.	4.3	45
15	Simultaneous Localized Feature Selection and Model Detection for Gaussian Mixtures. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 953-960.	13.9	42
16	Directionally Convolutional Networks for 3D Shape Segmentation. , 2017, , .		35
17	Low-Rank Kernel Matrix Factorization for Large-Scale Evolutionary Clustering. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 1036-1050.	5.7	32
18	Objective Detection of Eloquent Axonal Pathways to Minimize Postoperative Deficits in Pediatric Epilepsy Surgery Using Diffusion Tractography and Convolutional Neural Networks. IEEE Transactions on Medical Imaging, 2019, 38, 1910-1922.	8.9	28

#	ARTICLE	IF	CITATIONS
19	Text Classification with Topic-based Word Embedding and Convolutional Neural Networks. , 2016, , .		26
20	Bipartite isoperimetric graph partitioning for data co-clustering. Data Mining and Knowledge Discovery, 2008, 16, 276-312.	3.7	20
21	Real-time detection of abnormal crowd behavior using a matrix approximation-based approach. , 2012, , .		20
22	Novel Deep Learning Network Analysis of Electrical Stimulation Mapping-Driven Diffusion MRI Tractography to Improve Preoperative Evaluation of Pediatric Epilepsy. IEEE Transactions on Biomedical Engineering, 2020, 67, 3151-3162.	4.2	19
23	Performance of deep learning synthetic CTs for MR-only brain radiation therapy. Journal of Applied Clinical Medical Physics, 2021, 22, 308-317.	1.9	15
24	SA-GAN: Structure-Aware GAN for Organ-Preserving Synthetic CT Generation. Lecture Notes in Computer Science, 2021, , 471-481.	1.3	11
25	Image content annotation using Bayesian framework and complement components analysis. , 2005, , .		10
26	3D reconstruction from 2D images with hierarchical continuous simplices. Visual Computer, 2007, 23, 905-914.	3.5	8
27	Affective Visual Question Answering Network. , 2018, , .		8
28	Attention-Guided Generative Adversarial Network to Address Atypical Anatomy in Synthetic CT Generation. , 2020, 2020, 188-193.		8
29	Co-Clustering Image Features and Semantic Concepts. , 2006, , .		7
30	Detection of Abnormal Human Behavior Using a Matrix Approximation-Based Approach. , 2014, , .		7
31	Cascaded Multi-level Transformed Dirichlet Process for Multi-pose Facial Expression Recognition. Computer Journal, 2018, 61, 1605-1619.	2.4	7
32	Face Aging with Conditional Generative Adversarial Network Guided by Ranking-CNN. , 2020, , .		7
33	Semi-supervised Document Clustering with Simultaneous Text Representation and Categorization. Lecture Notes in Computer Science, 2009, , 211-226.	1.3	7
34	Evolution based approaches to the preservation of endangered natural languages. , 0, , .		6
35	FEATURE CURVE-GUIDED VOLUME RECONSTRUCTION FROM 2D IMAGES. , 2007, , .		6
36	Integrative Information Visualization of Multimodality Neuroimaging Data. , 2007, , .		6

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37	Knowledge discovery in corporate events by neural network rule extraction. Applied Intelligence, 2008, 29, 129-137.	5.3	6
38	Interpretable Probabilistic Latent Variable Models for Automatic Annotation of Clinical Text. AMIA ... Annual Symposium proceedings, 2015, 2015, 785-94.	0.2	6
39	Building a user-centered semantic hierarchy in image databases. Multimedia Systems, 2007, 12, 325-338.	4.7	5
40	SegTrack: A novel tracking system with improved object segmentation. , 2013, , .		5
41	Exemplar-based low-rank matrix decomposition for data clustering. Data Mining and Knowledge Discovery, 2015, 29, 324-357.	3.7	5
42	Obesity risk factors ranking using multi-task learning. , 2018, , .		5
43	Learning the Semantics in Image Retrieval - A Natural Language Processing Approach. , 0, , .		4
44	Application of type-2 fuzzy logic to healthcare literature search at point of care. , 2011, , .		4
45	On the clustering of large-scale data: A matrix-based approach. , 2011, , .		4
46	Quantifying inter-fraction cardiac substructure displacement during radiotherapy via magnetic resonance imaging guidance. Physics and Imaging in Radiation Oncology, 2021, 18, 34-40.	2.9	4
47	Predicting the Outcome of Patient-Provider Communication Sequences using Recurrent Neural Networks and Probabilistic Models. AMIA Summits on Translational Science Proceedings, 2018, 2017, 64-73.	0.4	4
48	Gene Expression Clustering: a Novel Graph Partitioning Approach. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	3
49	Object tracking via Dirichlet process-based appearance models. Neural Computing and Applications, 2017, 28, 867-879.	5.6	3
50	Clustering overâ€dispersed data with mixed feature types. Statistical Analysis and Data Mining, 2018, 11, 55-65.	2.8	3
51	Evaluating skin condition using a new decision tree induction algorithm. , 0, , .		2
52	Discovering Document Semantics QBYS: A System for Querying the WWW by Semantics. Multimedia Tools and Applications, 2004, 24, 155-188.	3.9	2
53	Localized Feature Selection for Clustering and its Application in Image Grouping. , 2007, , .		2
54	Feature selection for clustering with constraints using Jensen-Shannon divergence. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
55	Salient region detection and feature extraction in 3D visual data. , 2008, , .		2
56	Multi-level Approximate Spectral Clustering. , 2015, , .		2
57	A new method to measure cross sectional area of vessels in MRI image and its application in stenosis detection. , 0, , .		1
58	ARGDYP: an Adaptive Region Growing and DYnamic Programming Algorithm for Stenosis Detection in MRI. , 0, , .		1
59	Localized Support Vector Machines for Classification. , 2006, , .		1
60	Multi-instance rendering based on dynamic differential surface propagation. , 2012, , .		1
61	A relevance feedback-based system for biomedical literature search. , 2014, , .		1
62	Understanding Human Aging Patterns from a Machine Perspective. , 2018, , .		1
63	Analyzing visual technical patterns - a neural network based saliency analysis. , 2002, , .		0
64	Finding a Semantic Structure Interactively in Image Databases. , 2006, , .		0
65	Localized Support Vector Machines for Classification. , 0, , .		0
66	Localized feature selection for Gaussian mixtures using variational learning. , 2008, , .		0
67	Learning Good Features to Track. , 2014, , .		0
68	A Bayesian hierarchical appearance model for robust object tracking. , 2016, , .		0