

Jaegul Choo

List of Publications by Year in descending order

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69
papers

4,768
citations

394286

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41
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all docs

69
docs citations

69
times ranked

3779
citing authors

#	ARTICLE	IF	CITATIONS
1	StarGAN: Unified Generative Adversarial Networks for Multi-domain Image-to-Image Translation. , 2018, , .		2,116
2	A Multi-Organ Nucleus Segmentation Challenge. IEEE Transactions on Medical Imaging, 2020, 39, 1380-1391.	5.4	259
3	UTOPIAN: User-Driven Topic Modeling Based on Interactive Nonnegative Matrix Factorization. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 1992-2001.	2.9	192
4	RetainVis: Visual Analytics with Interpretable and Interactive Recurrent Neural Networks on Electronic Medical Records. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 299-309.	2.9	167
5	Visual Analytics for Explainable Deep Learning. IEEE Computer Graphics and Applications, 2018, 38, 84-92.	1.0	160
6	RobustNet: Improving Domain Generalization in Urban-Scene Segmentation via Instance Selective Whitening. , 2021, , .		112
7	iVisClustering: An Interactive Visual Document Clustering via Topic Modeling. Computer Graphics Forum, 2012, 31, 1155-1164.	1.8	106
8	Short-Text Topic Modeling via Non-negative Matrix Factorization Enriched with Local Word-Context Correlations. , 2018, , .		103
9	Coloring With Limited Data: Few-Shot Colorization via Memory Augmented Networks. , 2019, , .		98
10	iVisClassifier: An interactive visual analytics system for classification based on supervised dimension reduction. , 2010, , .		93
11	InterAxis: Steering Scatterplot Axes via Observation-Level Interaction. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 131-140.	2.9	71
12	Visualizing for the Non-Visual: Enabling the Visually Impaired to Use Visualization. Computer Graphics Forum, 2019, 38, 249-260.	1.8	71
13	Image-To-Image Translation via Group-Wise Deep Whitening-And-Coloring Transformation. , 2019, , .		71
14	Personas in online health communities. Journal of Biomedical Informatics, 2016, 63, 212-225.	2.5	70
15	When Bitcoin encounters information in an online forum: Using text mining to analyse user opinions and predict value fluctuation. PLoS ONE, 2017, 12, e0177630.	1.1	63
16	Nonnegative Matrix Factorization for Interactive Topic Modeling and Document Clustering. , 2015, , 215-243.		62
17	Coloring with Words: Guiding Image Colorization Through Text-Based Palette Generation. Lecture Notes in Computer Science, 2018, , 443-459.	1.0	61
18	Combining Computational Analyses and Interactive Visualization for Document Exploration and Sensemaking in Jigsaw. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 1646-1663.	2.9	58

#	ARTICLE	IF	CITATIONS
19	TopicLens: Efficient Multi-Level Visual Topic Exploration of Large-Scale Document Collections. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 151-160.	2.9	57
20	ConceptVector: Text Visual Analytics via Interactive Lexicon Building Using Word Embedding. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 361-370.	2.9	56
21	Guidance in the human-machine analytics process. Visual Informatics, 2018, 2, 166-180.	2.5	56
22	Automatic detection of tympanic membrane and middle ear infection from oto-endoscopic images via convolutional neural networks. Neural Networks, 2020, 126, 384-394.	3.3	54
23	Simultaneous Discovery of Common and Discriminative Topics via Joint Nonnegative Matrix Factorization. , 2015, , .		48
24	Customizing Computational Methods for Visual Analytics with Big Data. IEEE Computer Graphics and Applications, 2013, 33, 22-28.	1.0	47
25	AxiSketcher: Interactive Nonlinear Axis Mapping of Visualizations through User Drawings. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 221-230.	2.9	46
26	Two-stage framework for visualization of clustered high dimensional data. , 2009, , .		34
27	VisOHC: Designing Visual Analytics for Online Health Communities. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 71-80.	2.9	34
28	AILA. , 2019, , .		24
29	Toward Predicting Social Support Needs in Online Health Social Networks. Journal of Medical Internet Research, 2017, 19, e272.	2.1	21
30	Understanding and promoting micro-finance activities in Kiva.org. , 2014, , .		20
31	An interactive visual testbed system for dimension reduction and clustering of large-scale high-dimensional data. Proceedings of SPIE, 2013, , .	0.8	19
32	Weakly supervised nonnegative matrix factorization for user-driven clustering. Data Mining and Knowledge Discovery, 2015, 29, 1598-1621.	2.4	19
33	Intelligent fault detection using raw vibration signals via dilated convolutional neural networks. Journal of Supercomputing, 2020, 76, 8086-8100.	2.4	19
34	Prediction of hand-wrist maturation stages based on cervical vertebrae images using artificial intelligence. Orthodontics and Craniofacial Research, 2021, 24, 68-75.	1.2	19
35	Deep Edge-Aware Interactive Colorization against Color-Bleeding Effects. , 2021, , .		17
36	End-to-End Partial Discharge Detection in Power Cables via Time-Domain Convolutional Neural Networks. Journal of Electrical Engineering and Technology, 2019, 14, 1299-1309.	1.2	16

#	ARTICLE	IF	CITATIONS
37	DemographicVis: Analyzing demographic information based on user generated content. , 2015, , .		15
38	Development of artificial intelligence system for quality control of photo documentation in esophagogastroduodenoscopy. Surgical Endoscopy and Other Interventional Techniques, 2022, 36, 57-65.	1.3	15
39	Paraphrase Diversification Using Counterfactual Debiasing. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 6883-6891.	3.6	15
40	To gather together for a better world. , 2014, , .		14
41	Probabilistic Topic Modeling for Comparative Analysis of Document Collections. ACM Transactions on Knowledge Discovery From Data, 2020, 14, 1-27.	2.5	14
42	SANVis: Visual Analytics for Understanding Self-Attention Networks. , 2019, , .		12
43	Missing Value Imputation of Time-Series Air-Quality Data via Deep Neural Networks. International Journal of Environmental Research and Public Health, 2021, 18, 12213.	1.2	12
44	Doubly supervised embedding based on class labels and intrinsic clusters for high-dimensional data visualization. Neurocomputing, 2015, 150, 570-582.	3.5	10
45	STExNMF: Spatio-Temporally Exclusive Topic Discovery for Anomalous Event Detection. , 2017, , .		9
46	Evaluation of Electromagnetic Interference From Axially Ruptured Coaxial Cable With Multiple Dielectrics Used in Nuclear Power Plants. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 860-869.	1.4	9
47	Whose Opinion Matters? Analyzing Relationships Between Bitcoin Prices and User Groups in Online Community. Social Science Computer Review, 2020, 38, 686-702.	2.6	9
48	Unsupervised anomaly detection of the gas turbine operation via convolutional auto-encoder. , 2020, , .		8
49	L-EnsNMF: Boosted Local Topic Discovery via Ensemble of Nonnegative Matrix Factorization. , 2016, , .		7
50	VisIRR. ACM Transactions on Knowledge Discovery From Data, 2018, 12, 1-20.	2.5	7
51	TopicOnTiles. , 2018, , .		7
52	Intelligent Fault Detection via Dilated Convolutional Neural Networks. , 2018, , .		7
53	Not just Compete, but Collaborate: Local Image-to-Image Translation via Cooperative Mask Prediction. , 2021, , .		7
54	Transverse Electric Scattering of Open Cabinet in Nuclear Power Plants. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1204-1207.	2.4	6

#	ARTICLE	IF	CITATIONS
55	Localized user-driven topic discovery via boosted ensemble of nonnegative matrix factorization. Knowledge and Information Systems, 2018, 56, 503-531.	2.1	6
56	A Comparison of the Effects of Data Imputation Methods on Model Performance. , 2019, , .		6
57	Artificial intelligence-assisted analysis of endoscopic retrograde cholangiopancreatography image for identifying ampulla and difficulty of selective cannulation. Scientific Reports, 2021, 11, 8381.	1.6	6
58	Shielding Effectiveness of Open Cabinet Containing Digital Modules Using Ferrite Sheet. IEEE Transactions on Magnetics, 2017, 53, 1-9.	1.2	5
59	Quality of laparoscopic camera navigation in robot-assisted versus conventional laparoscopic surgery for rectal cancer: An analysis of surgical videos through a video processing computer software. International Journal of Medical Robotics and Computer Assisted Surgery, 2022, 18, e2393.	1.2	5
60	Predicting the Currency Market in Online Gaming via Lexicon-Based Analysis on Its Online Forum. Complexity, 2017, 2017, 1-10.	0.9	4
61	PixelSNE: Pixel-Aligned Stochastic Neighbor Embedding for Efficient 2D Visualization with Screen-Resolution Precision. Computer Graphics Forum, 2018, 37, 267-276.	1.8	4
62	p-ISOMAP: An Efficient Parametric Update for ISOMAP for Visual Analytics. , 2010, , .		3
63	Lytic. , 2013, , .		2
64	Simple quasi-static analysis for coplanar stripline within multilayer dielectrics. IEICE Electronics Express, 2015, 12, 20150361-20150361.	0.3	2
65	Understanding Human-side Impact of Sampling Image Batches in Subjective Attribute Labeling. Proceedings of the ACM on Human-Computer Interaction, 2021, 5, 1-26.	2.5	2
66	Augmenting MATLAB with semantic objects for an interactive visual environment. , 2013, , .		1
67	A Comparison of Unsupervised Dimension Reduction Algorithms for Classification. , 2007, , .		0
68	Interactive Data Analysis Tool by Augmenting MATLAB with Semantic Objects. , 2013, , .		0
69	Exploring anomalies in GASTech: VAST 2014 Mini Challenge 1 and 2. , 2014, , .		0