

Jaegul Choo

List of Publications by Year in descending order

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69
papers

4,768
citations

394286

19
h-index

276775

41
g-index

69
all docs

69
docs citations

69
times ranked

3779
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of artificial intelligence system for quality control of photo documentation in esophagogastroduodenoscopy. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2022, 36, 57-65.	1.3	15
2	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. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2022, 18, e2393.	1.2	5
3	Artificial intelligence-assisted analysis of endoscopic retrograde cholangiopancreatography image for identifying ampulla and difficulty of selective cannulation. <i>Scientific Reports</i> , 2021, 11, 8381.	1.6	6
4	Prediction of hand-wrist maturation stages based on cervical vertebrae images using artificial intelligence. <i>Orthodontics and Craniofacial Research</i> , 2021, 24, 68-75.	1.2	19
5	Understanding Human-side Impact of Sampling Image Batches in Subjective Attribute Labeling. <i>Proceedings of the ACM on Human-Computer Interaction</i> , 2021, 5, 1-26.	2.5	2
6	RobustNet: Improving Domain Generalization in Urban-Scene Segmentation via Instance Selective Whitening. , 2021, , .		112
7	Not just Compete, but Collaborate: Local Image-to-Image Translation via Cooperative Mask Prediction. , 2021, , .		7
8	Missing Value Imputation of Time-Series Air-Quality Data via Deep Neural Networks. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12213.	1.2	12
9	Deep Edge-Aware Interactive Colorization against Color-Bleeding Effects. , 2021, , .		17
10	Intelligent fault detection using raw vibration signals via dilated convolutional neural networks. <i>Journal of Supercomputing</i> , 2020, 76, 8086-8100.	2.4	19
11	Whose Opinion Matters? Analyzing Relationships Between Bitcoin Prices and User Groups in Online Community. <i>Social Science Computer Review</i> , 2020, 38, 686-702.	2.6	9
12	A Multi-Organ Nucleus Segmentation Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 1380-1391.	5.4	259
13	Unsupervised anomaly detection of the gas turbine operation via convolutional auto-encoder. , 2020, , .		8
14	Automatic detection of tympanic membrane and middle ear infection from oto-endoscopic images via convolutional neural networks. <i>Neural Networks</i> , 2020, 126, 384-394.	3.3	54
15	Probabilistic Topic Modeling for Comparative Analysis of Document Collections. <i>ACM Transactions on Knowledge Discovery From Data</i> , 2020, 14, 1-27.	2.5	14
16	Evaluation of Electromagnetic Interference From Axially Ruptured Coaxial Cable With Multiple Dielectrics Used in Nuclear Power Plants. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2019, 61, 860-869.	1.4	9
17	AILA. , 2019, , .		24
18	Visualizing for the Non-Visual: Enabling the Visually Impaired to Use Visualization. <i>Computer Graphics Forum</i> , 2019, 38, 249-260.	1.8	71

#	ARTICLE	IF	CITATIONS
19	A Comparison of the Effects of Data Imputation Methods on Model Performance. , 2019, , .		6
20	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
21	SANVis: Visual Analytics for Understanding Self-Attention Networks. , 2019, , .		12
22	Image-To-Image Translation via Group-Wise Deep Whitening-And-Coloring Transformation. , 2019, , .		71
23	Coloring With Limited Data: Few-Shot Colorization via Memory Augmented Networks. , 2019, , .		98
24	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
25	Paraphrase Diversification Using Counterfactual Debiasing. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 6883-6891.	3.6	15
26	VisIRR. ACM Transactions on Knowledge Discovery From Data, 2018, 12, 1-20.	2.5	7
27	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
28	Localized user-driven topic discovery via boosted ensemble of nonnegative matrix factorization. Knowledge and Information Systems, 2018, 56, 503-531.	2.1	6
29	StarGAN: Unified Generative Adversarial Networks for Multi-domain Image-to-Image Translation. , 2018, , .		2,116
30	Guidance in the humanâ€ machine analytics process. Visual Informatics, 2018, 2, 166-180.	2.5	56
31	Short-Text Topic Modeling via Non-negative Matrix Factorization Enriched with Local Word-Context Correlations. , 2018, , .		103
32	TopicOnTiles. , 2018, , .		7
33	Visual Analytics for Explainable Deep Learning. IEEE Computer Graphics and Applications, 2018, 38, 84-92.	1.0	160
34	PixelSNE: Pixelâ€ Aligned Stochastic Neighbor Embedding for Efficient 2D Visualization with Screenâ€ Resolution Precision. Computer Graphics Forum, 2018, 37, 267-276.	1.8	4
35	Intelligent Fault Detection via Dilated Convolutional Neural Networks. , 2018, , .		7
36	Coloring with Words: Guiding Image Colorization Through Text-Based Palette Generation. Lecture Notes in Computer Science, 2018, , 443-459.	1.0	61

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37	Shielding Effectiveness of Open Cabinet Containing Digital Modules Using Ferrite Sheet. IEEE Transactions on Magnetics, 2017, 53, 1-9.	1.2	5
38	AxiSketcher: Interactive Nonlinear Axis Mapping of Visualizations through User Drawings. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 221-230.	2.9	46
39	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
40	STExNMF: Spatio-Temporally Exclusive Topic Discovery for Anomalous Event Detection. , 2017, , .		9
41	Predicting the Currency Market in Online Gaming via Lexicon-Based Analysis on Its Online Forum. Complexity, 2017, 2017, 1-10.	0.9	4
42	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
43	Toward Predicting Social Support Needs in Online Health Social Networks. Journal of Medical Internet Research, 2017, 19, e272.	2.1	21
44	L-EnsNMF: Boosted Local Topic Discovery via Ensemble of Nonnegative Matrix Factorization. , 2016, , .		7
45	Personas in online health communities. Journal of Biomedical Informatics, 2016, 63, 212-225.	2.5	70
46	Transverse Electric Scattering of Open Cabinet in Nuclear Power Plants. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1204-1207.	2.4	6
47	InterAxis: Steering Scatterplot Axes via Observation-Level Interaction. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 131-140.	2.9	71
48	VisOHC: Designing Visual Analytics for Online Health Communities. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 71-80.	2.9	34
49	DemographicVis: Analyzing demographic information based on user generated content. , 2015, , .		15
50	Simple quasi-static analysis for coplanar stripline within multilayer dielectrics. IEICE Electronics Express, 2015, 12, 20150361-20150361.	0.3	2
51	Doubly supervised embedding based on class labels and intrinsic clusters for high-dimensional data visualization. Neurocomputing, 2015, 150, 570-582.	3.5	10
52	Weakly supervised nonnegative matrix factorization for user-driven clustering. Data Mining and Knowledge Discovery, 2015, 29, 1598-1621.	2.4	19
53	Nonnegative Matrix Factorization for Interactive Topic Modeling and Document Clustering. , 2015, , 215-243.		62
54	Simultaneous Discovery of Common and Discriminative Topics via Joint Nonnegative Matrix Factorization. , 2015, , .		48

#	ARTICLE	IF	CITATIONS
55	Exploring anomalies in GASTech: VAST 2014 Mini Challenge 1 and 2. , 2014, , .		0
56	To gather together for a better world. , 2014, , .		14
57	Understanding and promoting micro-finance activities in Kiva.org. , 2014, , .		20
58	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
59	Customizing Computational Methods for Visual Analytics with Big Data. IEEE Computer Graphics and Applications, 2013, 33, 22-28.	1.0	47
60	An interactive visual testbed system for dimension reduction and clustering of large-scale high-dimensional data. Proceedings of SPIE, 2013, , .	0.8	19
61	Lytic. , 2013, , .		2
62	Augmenting MATLAB with semantic objects for an interactive visual environment. , 2013, , .		1
63	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
64	Interactive Data Analysis Tool by Augmenting MATLAB with Semantic Objects. , 2013, , .		0
65	iVisClustering: An Interactive Visual Document Clustering via Topic Modeling. Computer Graphics Forum, 2012, 31, 1155-1164.	1.8	106
66	p-ISOMAP: An Efficient Parametric Update for ISOMAP for Visual Analytics. , 2010, , .		3
67	iVisClassifier: An interactive visual analytics system for classification based on supervised dimension reduction. , 2010, , .		93
68	Two-stage framework for visualization of clustered high dimensional data. , 2009, , .		34
69	A Comparison of Unsupervised Dimension Reduction Algorithms for Classification. , 2007, , .		0