Shinjae Yoo

List of Publications by Year
in descending order

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48	1,724	686830 13	610482 24
papers	citations	h-index	g-index

49	49	49	2638
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	KBase: The United States Department of Energy Systems Biology Knowledgebase. Nature Biotechnology, 2018, 36, 566-569.	9.4	955
2	3D cloud detection and tracking system for solar forecast using multiple sky imagers. Solar Energy, 2015, 118, 496-519.	2.9	129
3	Mining social networks for personalized email prioritization. , 2009, , .		80
4	Machine-Learning X-Ray Absorption Spectra to Quantitative Accuracy. Physical Review Letters, 2020, 124, 156401.	2.9	65
5	Largeâ€scale atlas of microarray data reveals the distinct expression landscape of different tissues in Arabidopsis. Plant Journal, 2016, 86, 472-480.	2.8	39
6	Cloud motion estimation for short term solar irradiation prediction. , 2013, , .		37
7	Application of quantum machine learning using the quantum kernel algorithm on high energy physics analysis at the LHC. Physical Review Research, 2021, 3, .	1.3	35
8	Application of quantum machine learning using the quantum variational classifier method to high energy physics analysis at the LHC on IBM quantum computer simulator and hardware with 10 qubits. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 125003.	1.4	31
9	Complex imaging of phase domains by deep neural networks. IUCrJ, 2021, 8, 12-21.	1.0	27
10	Diagnosis and prognosis of Alzheimer's disease using brain morphometry and white matter connectomes. NeuroImage: Clinical, 2019, 23, 101859.	1.4	24
11	Unsupervised Feature Selection on Data Streams. , 2015, , .		23
12	Computing Just What You Need: Online Data Analysis and Reduction at Extreme Scales. Lecture Notes in Computer Science, 2017, , 3-19.	1.0	22
13	Three-dimensional coherent X-ray diffraction imaging via deep convolutional neural networks. Npj Computational Materials, 2021, 7, .	3.5	20
14	Solar irradiance forecast system based on geostationary satellite. , 2013, , .		19
15	Personalized Email Prioritization Based on Content and Social Network Analysis. IEEE Intelligent Systems, 2010, 25, 12-18.	4.0	16
16	Prior knowledge driven Granger causality analysis on gene regulatory network discovery. BMC Bioinformatics, 2015, 16, 273.	1.2	16
17	Ultrathin Amorphous Titania on Nanowires: Optimization of Conformal Growth and Elucidation of Atomic-Scale Motifs. Nano Letters, 2019, 19, 3457-3463.	4.5	14
18	A Robust Clustering Algorithm Based on Aggregated Heat Kernel Mapping. , 2011, , .		13

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19	Physics-Based Anomaly Detection Defined on Manifold Space. ACM Transactions on Knowledge Discovery From Data, 2014, 9, 1-39.	2.5	13
20	Streaming spectral clustering. , 2016, , .		13
21	Local anomaly descriptor. , 2012, , .		11
22	Nanoscale measurement of trace element distributions in Spartina alterniflora root tissue during dormancy. Scientific Reports, 2017, 7, 40420.	1.6	10
23	Challenges and opportunities in quantum machine learning for high-energy physics. Nature Reviews Physics, 2022, 4, 143-144.	11.9	10
24	Correlation and local feature based cloud motion estimation. , 2012, , .		9
25	A New Anomaly Detection Algorithm Based on Quantum Mechanics. , 2012, , .		9
26	Seasonal differences in trace element concentrations and distribution in Spartina alterniflora root tissue. Chemosphere, 2018, 204, 359-370.	4.2	8
27	Why wait? Let us start computing while the data is still on the wire. Future Generation Computer Systems, 2018, 89, 563-574.	4.9	8
28	3D cloud detection and tracking for solar forecast using multiple sky imagers. , 2014, , .		7
29	Diverse Power Iteration Embeddings and Its Applications. , 2014, , .		7
30	Online data analysis and reduction: An important Co-design motif for extreme-scale computers. International Journal of High Performance Computing Applications, 2021, 35, 617-635.	2.4	6
31	Streaming data analysis on the wire. , 2016, , .		5
32	Sensor network based solar forecasting using a local vector autoregressive ridge framework. , 2016, , .		5
33	Solar irradiance forecasting using multi-layer cloud tracking and numerical weather prediction. , 2015, , .		4
34	Diverse Power Iteration Embeddings: Theory and Practice. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 2606-2620.	4.0	4
35	Machine learning aided prediction of family history of depression. , 2017, , .		4
36	Detailed Performance Analysis of Distributed Tensorflow on a GPU Cluster using Deep Learning Algorithms. , 2018, , .		4

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37	Synchrotron X-ray microfluorescence measurement of metal distributions inPhragmites australisroot system in the Yangtze River intertidal zone. Journal of Synchrotron Radiation, 2016, 23, 937-946.	1.0	3
38	Multimodal biological analysis using NLP and expression profile. , 2018, , .		3
39	Bi-directional Causal Graph Learning through Weight-Sharing and Low-Rank Neural Network. , 2019, , .		3
40	Diffusion-based clustering analysis of coherent X-ray scattering patterns of self-assembled nanoparticles. , 2014, , .		2
41	Noise-Resistant Unsupervised Feature Selection via Multi-perspective Correlations. , 2014, , .		2
42	Analysis of nanoparticle growth in environmental transmission electron microscopy. , 2016, , .		2
43	Towards Real Time Quantitative Analysis of Supported Nanoparticle Ensemble Evolution Investigated by Environmental TEM. Microscopy and Microanalysis, 2018, 24, 540-541.	0.2	2
44	Density-Aware Clustering Based on Aggregated Heat Kernel and Its Transformation. ACM Transactions on Knowledge Discovery From Data, 2015, 9, 1-35.	2.5	1
45	Flight data anomaly detection and diagnosis with variable association change. , 2021, , .		1
46	Automated image acquisition and analysis of beam sensitive samples. Microscopy and Microanalysis, 2017, 23, 1788-1789.	0.2	0
47	Real-Time Distribution State Estimation with Massive ÂµPMU Streaming Data. , 2020, , .		0
48	Hierarchical Analysis of Halo Center in Cosmology. Lecture Notes in Computer Science, 2021, , 671-684.	1.0	0