

Yue Deng

List of Publications by Year in descending order

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33
papers

1,706
citations

471061

17
h-index

395343

33
g-index

34
all docs

34
docs citations

34
times ranked

1884
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrative spatial analysis of cell morphologies and transcriptional states with MUSE. Nature Biotechnology, 2022, 40, 1200-1209.	9.4	35
2	Gated Value Network for Multilabel Classification. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4748-4754.	7.2	1
3	Human-in-the-Loop Low-Shot Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3287-3292.	7.2	5
4	Spacecraft Relative Trajectory Planning Based on Meta-Learning. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 3118-3131.	2.6	6
5	Dynamic non-line-of-sight imaging system based on the optimization of point spread functions. Optics Express, 2021, 29, 32349.	1.7	25
6	Direct mapping from diffuse reflectance to chromophore concentrations in multi-fx spatial frequency domain imaging (SFDI) with a deep residual network (DRN). Biomedical Optics Express, 2021, 12, 433.	1.5	18
7	Cooperative Deep Reinforcement Learning for Large-Scale Traffic Grid Signal Control. IEEE Transactions on Cybernetics, 2020, 50, 2687-2700.	6.2	123
8	Learning Deep Landmarks for Imbalanced Classification. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2691-2704.	7.2	22
9	A New Concept of Multiple Neural Networks Structure Using Convex Combination. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4968-4979.	7.2	5
10	Residual D ² NN: training diffractive deep neural networks via learnable light shortcuts. Optics Letters, 2020, 45, 2688.	1.7	53
11	Scalable analysis of cell-type composition from single-cell transcriptomics using deep recurrent learning. Nature Methods, 2019, 16, 311-314.	9.0	142
12	ACID: Association Correction for Imbalanced Data in GWAS. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 316-322.	1.9	5
13	Probabilistic natural mapping of gene-level tests for genome-wide association studies. Briefings in Bioinformatics, 2018, 19, 545-553.	3.2	6
14	Methionine sulfoxide reductase A (MsrA) mediates the ubiquitination of 14-3-3 protein isoforms in brain. Free Radical Biology and Medicine, 2018, 129, 600-607.	1.3	10
15	Deep learning model for ultrafast multifrequency optical property extractions for spatial frequency domain imaging. Optics Letters, 2018, 43, 5669.	1.7	42
16	Deep Direct Reinforcement Learning for Financial Signal Representation and Trading. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 653-664.	7.2	442
17	A Hierarchical Fused Fuzzy Deep Neural Network for Data Classification. IEEE Transactions on Fuzzy Systems, 2017, 25, 1006-1012.	6.5	265
18	Bosco: Boosting Corrections for Genome-Wide Association Studies With Imbalanced Samples. IEEE Transactions on Nanobioscience, 2017, 16, 69-77.	2.2	11

#	ARTICLE	IF	CITATIONS
19	Information transduction capacity reduces the uncertainties in annotation-free isoform discovery and quantification. <i>Nucleic Acids Research</i> , 2017, 45, e143-e143.	6.5	6
20	Deep and Structured Robust Information Theoretic Learning for Image Analysis. <i>IEEE Transactions on Image Processing</i> , 2016, 25, 1-1.	6.0	22
21	Local visual feature fusion via maximum margin multimodal deep neural network. <i>Neurocomputing</i> , 2016, 175, 427-432.	3.5	15
22	Directed Adaptive Graphical Lasso for causality inference. <i>Neurocomputing</i> , 2016, 173, 1989-1994.	3.5	4
23	Log-Sum Heuristic Recovery for Automated Isoform Discovery and Abundance Estimation from RNA-Seq data. , 2015, , .		0
24	Sparse Coding-Inspired Optimal Trading System for HFT Industry. <i>IEEE Transactions on Industrial Informatics</i> , 2015, 11, 467-475.	7.2	38
25	Discriminative Clustering and Feature Selection for Brain MRI Segmentation. <i>IEEE Signal Processing Letters</i> , 2015, 22, 573-577.	2.1	108
26	Robust and accurate transient light transport decomposition via convolutional sparse coding. <i>Optics Letters</i> , 2014, 39, 3177.	1.7	9
27	Joint Non-Gaussian Denoising and Superresolving of Raw High Frame Rate Videos. <i>IEEE Transactions on Image Processing</i> , 2014, 23, 1154-1168.	6.0	16
28	Visual Words Assignment Via Information-Theoretic Manifold Embedding. <i>IEEE Transactions on Cybernetics</i> , 2014, 44, 1924-1937.	6.2	26
29	Low-Rank Structure Learning via Nonconvex Heuristic Recovery. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013, 24, 383-396.	7.2	103
30	Differences Help Recognition: A Probabilistic Interpretation. <i>PLoS ONE</i> , 2013, 8, e63385.	1.1	13
31	Noisy Depth Maps Fusion for Multiview Stereo Via Matrix Completion. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2012, 6, 566-582.	7.3	39
32	Commutative time guided transformation for feature extraction. <i>Computer Vision and Image Understanding</i> , 2012, 116, 473-483.	3.0	18
33	Graph Laplace for Occluded Face Completion and Recognition. <i>IEEE Transactions on Image Processing</i> , 2011, 20, 2329-2338.	6.0	72