Shujian Yu

List of Publications by Year
in descending order

38 papers	594 citations	759233 12 h-index	677142 22 g-index
39 all docs	39 docs citations	39 times ranked	632 citing authors

#	Article	IF	Citations
1	Understanding autoencoders with information theoretic concepts. Neural Networks, 2019, 117, 104-123.	5.9	88
2	Multi-view manifold learning with locality alignment. Pattern Recognition, 2018, 78, 154-166.	8.1	67
3	Multi-view non-negative matrix factorization by patch alignment framework with view consistency. Neurocomputing, 2016, 204, 116-124.	5.9	54
4	Improved functional link artificial neural network via convex combination for nonlinear active noise control. Applied Soft Computing Journal, 2016, 42, 351-359.	7.2	48
5	Concept drift detection and adaptation with hierarchical hypothesis testing. Journal of the Franklin Institute, 2019, 356, 3187-3215.	3.4	34
6	Kernel Learning for Dynamic Texture Synthesis. IEEE Transactions on Image Processing, 2016, 25, 4782-4795.	9.8	32
7	Understanding Convolutional Neural Networks With Information Theory: An Initial Exploration. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 435-442.	11.3	30
8	Multivariate Extension of Matrix-based Renyi's Î±-order Entropy Functional. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 42, 1-1.	13.9	29
9	Co-regularized multiview nonnegative matrix factorization with correlation constraint for representation learning. Multimedia Tools and Applications, 2018, 77, 12955-12978.	3.9	26
10	STFT-like time frequency representations of nonstationary signal with arbitrary sampling schemes. Neurocomputing, 2016, 204, 211-221.	5.9	22
11	Dynamic texture modeling and synthesis using multi-kernel Gaussian process dynamic model. Signal Processing, 2016, 124, 63-71.	3.7	17
12	Request-and-Reverify: Hierarchical Hypothesis Testing for Concept Drift Detection with Expensive Labels. , 2018, , .		14
13	Multiview Hybrid Embedding: A Divide-and-Conquer Approach. IEEE Transactions on Cybernetics, 2020, 50, 3640-3653.	9.5	13
14	Kernel normalized mixed-norm algorithm for system identification. , 2015, , .		10
15	Robust Visual Tracking Using Multi-Frame Multi-Feature Joint Modeling. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 3673-3686.	8.3	10
16	Coarse-to-fine salient object detection with low-rank matrix recovery. Neurocomputing, 2020, 376, 232-243.	5.9	10
17	Single image rain streaks removal based on self-learning and structured sparse representation. , 2015, , .		9
18	On Kernel Methodâ€"Based Connectionist Models and Supervised Deep Learning Without Backpropagation. Neural Computation, 2020, 32, 97-135.	2.2	9

#	Article	IF	Citations
19	Deep Deterministic Information Bottleneck with Matrix-Based Entropy Functional. , 2021, , .		8
20	Robust linear discriminant analysis with a Laplacian assumption on projection distribution. , 2017, , .		7
21	Modularizing Deep Learning via Pairwise Learning With Kernels. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1441-1451.	11.3	7
22	Autoencoders trained with relevant information: Blending Shannon and Wiener's perspectives. , 2017, , .		6
23	Simple Stopping Criteria for Information Theoretic Feature Selection. Entropy, 2019, 21, 99.	2.2	6
24	Measuring the Discrepancy between Conditional Distributions: Methods, Properties and Applications. , 2020, , .		6
25	Quantized kernel least mean mixed-norm algorithm. , 2014, , .		5
26	Multiscale principle of relevant information for hyperspectral image classification. Machine Learning, 2023, 112, 1227-1252.	5.4	5
27	Robust Discriminative Nonnegative Patch Alignment for Occluded Face Recognition. Lecture Notes in Computer Science, 2015, , 207-215.	1.3	5
28	Marine Animal Classification With Correntropy-Loss-Based Multiview Learning. IEEE Journal of Oceanic Engineering, 2019, 44, 1116-1129.	3.8	4
29	Gated Information Bottleneck for Generalization in Sequential Environments. , 2021, , .		4
30	Human Heart Rate Estimation Using Ordinary Cameras under Natural Movement. , 2015, , .		3
31	Interpretable fault detection using projections of mutual information matrix. Journal of the Franklin Institute, 2021, 358, 4028-4057.	3.4	3
32	A Componentwise Approach to Weakly Supervised Semantic Segmentation Using Dual-Feedback Network. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7541-7554.	11.3	2
33	STFT-like time frequency representations for nonstationary signal — From evenly sampled data to arbitrary nonuniformly sampled data. , 2014, , .		1
34	Robust weighted coarse-to-fine sparse tracking. , 2014, , .		0
35	Global sparse partial least squares. , 2014, , .		0
36	Gaussian latent variable models for variable selection. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	Dynamic Texture Synthesis via Image Reconstruction. , 2015, , .		0
38	JOINT IMAGE SEGMENTATION AND CLASSIFICATION WITH APPLICATION TO CLUTTERED CORAL IMAGES. , 2018, , .		0