Farhad Pourkamali-Anaraki

List of Publications by Year
in descending order

19 papers	**332** citations
9 h-index (1040056)	**13** g-index (1125743)
19 all docs	**19** docs citations
19 times ranked	**277** citing authors

#	Article	IF	Citations
1	Structural uncertainty quantification with partial information. Expert Systems With Applications, 2022, 198, 116736.	7.6	5
2	Kernel Matrix Approximation on Class-Imbalanced Data With an Application to Scientific Simulation. IEEE Access, 2021, , 1-1.	4.2	20
3	Neural Networks and Imbalanced Learning for Data-Driven Scientific Computing With Uncertainties. IEEE Access, 2021, 9, 15334-15350.	4.2	8
4	Towards Robust and Efficient Plane Detection from 3D Point Cloud. , 2021, , .		0
5	Adaptive Data Compression for Classification Problems. IEEE Access, 2021, 9, 157654-157669.	4.2	3
6	An Empirical Evaluation of the t-SNE Algorithm for Data Visualization in Structural Engineering. , 2021, , .		17
7	Unsupervised Learning for Subterranean Junction Recognition Based on 2D Point Cloud. , 2020, , .		0
8	A Unified NMPC Scheme for MAVs Navigation With 3D Collision Avoidance Under Position Uncertainty. IEEE Robotics and Automation Letters, 2020, 5, 5740-5747.	5.1	12
9	Scalable Spectral Clustering With Nyström Approximation: Practical and Theoretical Aspects. IEEE Open Journal of Signal Processing, 2020, 1, 242-256.	3.5	8
10	Efficient Solvers for Sparse Subspace Clustering. Signal Processing, 2020, 172, 107548.	3.7	22
11	Kernel Ridge Regression Using Importance Sampling with Application to Seismic Response Prediction. , 2020, , .		2
12	Improved fixed-rank Nyström approximation via QR decomposition: Practical and theoretical aspects. Neurocomputing, 2019, 363, 261-272.	5.9	19
13	Large-Scale Sparse Subspace Clustering Using Landmarks. , 2019, , .		3
14	Matrix completion for cost reduction in finite element simulations under hybrid uncertainties. Applied Mathematical Modelling, 2019, 69, 164-180.	4.2	11
15	Support vector machine based reliability analysis of concrete dams. Soil Dynamics and Earthquake Engineering, 2018, 104, 276-295.	3.8	98
16	Simplified reliability analysis of multi hazard risk in gravity dams via machine learning techniques. Archives of Civil and Mechanical Engineering, 2018, 18, 592-610.	3.8	49
17	Preconditioned Data Sparsification for Big Data with Applications to PCA and K-means. IEEE Transactions on Information Theory, 2017, , 1-1.	2.4	35
18	Estimation of the sample covariance matrix from compressive measurements. IET Signal Processing, 2016, 10, 1089-1095.	1.5	13

#	Article	IF	Citations
19	Efficient dictionary learning via very sparse random projections. , 2015, , .		7