List of Publications by Year
in descending order

96 papers	**3,574** citations	172386 **29** h-index	143943 **57** g-index
96 all docs	**96** docs citations	**96** times ranked	**4278** citing authors

#	Article	IF	Citations
1	Transfer Collaborative Fuzzy Clustering in Distributed Peer-to-Peer Networks. IEEE Transactions on Fuzzy Systems, 2022, 30, 500-514.	6.5	11
2	Fuzzy Adaptive Swarm Control for the High-Order Self-organized System with Unknown Nonlinear Dynamics and Unmeasured States. International Journal of Fuzzy Systems, 2022, 24, 391-404.	2.3	1
3	Stabilizing Enzymes in Plasmonic Silk Film for Synergistic Therapy of In Situ SERS Identified Bacteria. Advanced Science, 2022, 9, e2104576.	5.6	17
4	Advances in metal graphitic nanocapsules for biomedicine. Exploration, 2022, 2, .	5.4	16
5	Model selection for RBF-ARX models. Applied Soft Computing Journal, 2022, 121, 108723.	4.1	7
6	Piezoelectricity in Monolayer and Multilayer Ti_3C_2Tx MXenes: Implications for Piezoelectric Devices. ACS Applied Nano Materials, 2022, 5, 1034-1046.	2.4	19
7	Metal Graphitic Nanocapsules for Theranostics in Harsh Conditions. Frontiers in Chemistry, 2022, 10, .	1.8	1
8	Natural interface-mediated self-assembly of graphene-isolated-nanocrystals for plasmonic arrays construction and personalized information acquisition. Nano Research, 2022, 15, 9327-9333.	5.8	3
9	Fuzzy clustering for multiview data by combining latent information. Applied Soft Computing Journal, 2022, 126, 109140.	4.1	6
10	Low-Cost Approximation-Based Adaptive Tracking Control of Output-Constrained Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4890-4900.	7.2	37
11	Incremental Bayesian broad learning system and its industrial application. Artificial Intelligence Review, 2021, 54, 3517-3537.	9.7	9
12	In situ pepsin-assisted needle assembly of magnetic-graphitic-nanocapsules for enhanced gastric retention and mucus penetration. Nano Today, 2021, 36, 101032.	6.2	18
13	In Situ Gastric pH Imaging with Hydrogel Capsule Isolated Paramagnetic Metallo-albumin Complexes. Analytical Chemistry, 2021, 93, 5939-5946.	3.2	7
14	Versatile Graphene‐Isolated AuAg‐Nanocrystal for Multiphase Analysis and Multimodal Cellular Raman Imaging§. Chinese Journal of Chemistry, 2021, 39, 1491-1497.	2.6	8
15	Enzyme-mimic activity study of superstable and ultrasmall graphene encapsuled CoRu nanocrystal. APL Materials, 2021, 9, .	2.2	6
16	Random Fourier feature-based fuzzy clustering with p-Laplacian regularization. Applied Soft Computing Journal, 2021, 111, 107724.	4.1	8
17	Adaptive asymptotic tracking control of constrained multi‐input multi‐output nonlinear systems via event‐triggered strategy. International Journal of Robust and Nonlinear Control, 2021, 31, 1479-1496.	2.1	8
18	Variational inference based kernel dynamic Bayesian networks for construction of prediction intervals for industrial time series with incomplete input. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 1437-1445.	8.5	6

#	Article	IF	Citations
19	A Novel Semi-Supervised Sparse Bayesian Regression Based on Variational Inference for Industrial Datasets With Incomplete Outputs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4773-4786.	5.9	8
20	Membership Affinity Lasso for Fuzzy Clustering. IEEE Transactions on Fuzzy Systems, 2020, 28, 294-307.	6.5	30
21	Recent Advances in Multifunctional Graphitic Nanocapsules for Raman Detection, Imaging, and Therapy. Small Methods, 2020, 4, 1900440.	4.6	13
22	Control of nonlinear systems under dynamic constraints: A unified barrier function-based approach. Automatica, 2020, 119, 109102.	3.0	110
23	Multivariate morphological reconstruction based fuzzy clustering with a weighting multi-channel guided image filter for color image segmentation. International Journal of Machine Learning and Cybernetics, 2020, 11, 2793-2806.	2.3	10
24	Robust adaptive fault‐tolerant quantized control of nonlinear systems with constraints on system behaviors and states. International Journal of Robust and Nonlinear Control, 2020, 30, 3215-3233.	2.1	9
25	Term Selection for a Class of Separable Nonlinear Models. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 445-451.	7.2	63
26	Multi-Channel EEG Based Emotion Recognition Using Temporal Convolutional Network and Broad Learning System. , 2020, , .		7
27	Random Maclaurin Feature-based Fuzzy Clustering. , 2020, , .		0
28	Multi-operation Conditions Prediction Based on Least Square Support Vector Machine for Blast Furnace Gas System in Steel Industry. , 2020, , .		3
29	Fuzzy Clustering in Cascaded Feature Space. International Journal of Fuzzy Systems, 2019, 21, 2155-2167.	2.3	7
30	Versatile metal graphitic nanocapsules for SERS bioanalysis. Chinese Chemical Letters, 2019, 30, 1581-1592.	4.8	19
31	Multiple Kernel Fuzzy Clustering With Unsupervised Random Forests Kernel and Matrix-Induced Regularization. IEEE Access, 2019, 7, 3967-3979.	2.6	7
32	Stable gold graphitic nanocapsule doped hydrogels for efficient photothermal antibacterial applications. Chemical Communications, 2019, 55, 5359-5362.	2.2	40
33	The influence of physiological environment on the targeting effect of aptamer-guided gold nanoparticles. Nano Research, 2019, 12, 129-135.	5.8	20
34	Isotopic graphene‐isolated-Au-nanocrystals with cellular Raman-silent signals for cancer cell pattern recognition. Chemical Science, 2018, 9, 2842-2849.	3.7	51
35	Variational Inference based Automatic Relevance Determination Kernel for Embedded Feature Selection of Noisy Industrial Data. IEEE Transactions on Industrial Electronics, 2018, , 1-1.	5.2	31
36	On Some Separated Algorithms for Separable Nonlinear Least Squares Problems. IEEE Transactions on Cybernetics, 2018, 48, 2866-2874.	6.2	142

#	Article	IF	Citations
37	Uncertain Data Clustering in Distributed Peer-to-Peer Networks. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2392-2406.	7.2	25
38	Robust Face Hallucination via Locality-Constrained Bi-Layer Representation. IEEE Transactions on Cybernetics, 2018, 48, 1189-1201.	6.2	51
39	Simultaneous Application of Photothermal Therapy and an Antiâ€inflammatory Prodrug using Pyreneâ€"Aspirinâ€Loaded Gold Nanorod Graphitic Nanocapsules. Angewandte Chemie - International Edition, 2018, 57, 177-181.	7.2	169
40	Simultaneous Application of Photothermal Therapy and an Antiâ€inflammatory Prodrug using Pyreneâ€"Aspirinâ€Loaded Gold Nanorod Graphitic Nanocapsules. Angewandte Chemie, 2018, 130, 183-187.	1.6	28
41	EEG Emotion Recognition Using Dynamical Graph Convolutional Neural Networks and Broad Learning System. , 2018, , .		59
42	Collaborative Penalized Least Squares for Background Correction of Multiple Raman Spectra. Journal of Analytical Methods in Chemistry, 2018, 2018, 1-11.	0.7	3
43	Surfactant-Free Interface Suspended Gold Graphitic Surface-Enhanced Raman Spectroscopy Substrate for Simultaneous Multiphase Analysis. Analytical Chemistry, 2018, 90, 11183-11187.	3.2	21
44	Integrating guided filter into fuzzy clustering for noisy image segmentation. , 2018, 83, 235-248.		45
45	Multifocus image fusion with enhanced linear spectral clustering and fast depth map estimation. Neurocomputing, 2018, 318, 43-54.	3.5	21
46	Clustering based Image Segmentation via Weighted Fusion of Non-local and Local Information. , 2018, , .		1
47	The Construction of Cascaded Features and Its Application in Fuzzy Clustering. , 2018, , .		0
48	A Two-Stage Estimation Algorithm Based on Variable Projection Method for GPS Positioning. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2518-2525.	2.4	32
49	Design of Highly Nonlinear Substitution Boxes Based on I-Ching Operators. IEEE Transactions on Cybernetics, 2018, 48, 3349-3358.	6.2	162
50	Multiple Kernel Shadowed Clustering in Approximated Feature Space. Lecture Notes in Computer Science, 2018, , 265-275.	1.0	7
51	Weighted Joint Sparse Representation for Removing Mixed Noise in Image. IEEE Transactions on Cybernetics, 2017, 47, 600-611.	6.2	118
52	I-Ching Divination Evolutionary Algorithm and its Convergence Analysis. IEEE Transactions on Cybernetics, 2017, 47, 2-13.	6.2	189
53	Adaptive Fuzzy Leader-Following Consensus Control for Stochastic Multiagent Systems with Heterogeneous Nonlinear Dynamics. IEEE Transactions on Fuzzy Systems, 2017, 25, 181-190.	6.5	116
54	Image Guided Fuzzy C-Means for Image Segmentation. International Journal of Fuzzy Systems, 2017, 19, 1660-1669.	2.3	16

#	Article	IF	Citations
55	In situ targeted MRI detection of Helicobacter pylori with stable magnetic graphitic nanocapsules. Nature Communications, 2017, 8, 15653.	5.8	41
56	Graphitic nanocapsules: design, synthesis and bioanalytical applications. Nanoscale, 2017, 9, 10529-10543.	2.8	10
57	Intelligent Localization of a High-Speed Train Using LSSVM and the Online Sparse Optimization Approach. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2071-2084.	4.7	23
58	A flexible and robust train operation model based on expert knowledge and online adjustment. International Journal of Wavelets, Multiresolution and Information Processing, 2017, 15, 1750023.	0.9	4
59	Shadowed C-means clustering based on approximated feature space. , 2017, , .		3
60	Applications of Graphitic Nanomaterial's Optical Properties in Biochemical Sensing. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2017, 33, 28-39.	2.2	5
61	Novel Approaches for Regional Multifocus Image Fusion. , 2016, , .		0
62	Elucidating the cellular uptake mechanism of aptamer-functionalized graphene-isolated-Au-nanocrystals with dual-modal imaging. Analyst, The, 2016, 141, 3337-3342.	1.7	15
63	Modulating the Morphology of Gold Graphitic Nanocapsules for Plasmon Resonance-Enhanced Multimodal Imaging. Analytical Chemistry, 2016, 88, 5385-5391.	3.2	25
64	Stable Graphene-Isolated-Au-Nanocrystal for Accurate and Rapid Surface Enhancement Raman Scattering Analysis. Analytical Chemistry, 2016, 88, 10611-10616.	3.2	54
65	Clustering Algorithm Based on Spatial Shadowed Fuzzy C-means and I-Ching Operators. International Journal of Fuzzy Systems, 2016, 18, 609-617.	2.3	17
66	Data-driven train operation models based on data mining and driving experience for the diesel-electric locomotive. Advanced Engineering Informatics, 2016, 30, 553-563.	4.0	20
67	Rician noise removal in MR imaging using multi-image guided filter. , 2016, , .		1
68	Consensus control for nonlinear multi-agent systems with packet dropouts and measurement noises. , 2016, , .		1
69	Fuzzy clustering based traffic pattern identification. , 2016, , .		1
70	Fuzzy clustering method with graph-based regularization. , 2016, , .		5
71	Fuzzy clustering in high-dimensional approximated feature space. , 2016, , .		5
72	Image guided Fuzzy C-means for image segmentation. , 2016, , .		3

#	Article	IF	Citations
73	Prediction intervals for industrial data with incomplete input using kernel-based dynamic Bayesian networks. Artificial Intelligence Review, 2016, 46, 307-326.	9.7	12
74	Quantized consensus control for second-order multi-agent systems with nonlinear dynamics. Neurocomputing, 2016, 175, 529-537.	3.5	33
75	A robust bi-sparsity model with non-local regularization for mixed noise reduction. Information Sciences, 2016, 354, 101-111.	4.0	23
76	Stable and unique graphitic Raman internal standard nanocapsules for surface-enhanced Raman spectroscopy quantitative analysis. Nano Research, 2016, 9, 1418-1425.	5.8	45
77	Simultaneous tracking of drug molecules and carriers using aptamer-functionalized fluorescent superstable gold nanorodâ€"carbon nanocapsules during thermo-chemotherapy. Nanoscale, 2016, 8, 7942-7948.	2.8	28
78	Fuzzy clustering with the entropy of attribute weights. Neurocomputing, 2016, 198, 125-134.	3.5	132
79	Exploiting the interpretability and forecasting ability of the RBF-AR model for nonlinear time series. International Journal of Systems Science, 2016, 47, 1868-1876.	3.7	40
80	Multifocus image fusion using superpixel segmentation and superpixel-based mean filtering. Applied Optics, 2016, 55, 10352.	2.1	14
81	Region-Based Multi-focus Image Fusion Using Guided Filtering and Greedy Analysis. , 2015, , .		7
82	Predictive Deep Boltzmann Machine for Multiperiod Wind Speed Forecasting. IEEE Transactions on Sustainable Energy, 2015, 6, 1416-1425.	5.9	186
83	Fuzzy Restricted Boltzmann Machine for the Enhancement of Deep Learning. IEEE Transactions on Fuzzy Systems, 2015, 23, 2163-2173.	6.5	187
84	Weighted Couple Sparse Representation With Classified Regularization for Impulse Noise Removal. IEEE Transactions on Image Processing, 2015, 24, 4014-4026.	6.0	103
85	Kernel non-local shadowed c-means for image segmentation. , 2014, , .		5
86	A new method based on wavelet and greedy pusuit analysis for neuro-spike detection. , 2014, , .		0
87	Magnetic-graphitic-nanocapsule templated diacetylene assembly and photopolymerization for sensing and multicoded anti-counterfeiting. Nanoscale, 2014, 6, 13097-13103.	2.8	23
88	A Collaborative Fuzzy Clustering Algorithm in Distributed Network Environments. IEEE Transactions on Fuzzy Systems, 2014, 22, 1443-1456.	6.5	85
89	Alkyne-Functionalized Superstable Graphitic Silver Nanoparticles for Raman Imaging. Journal of the American Chemical Society, 2014, 136, 13558-13561.	6.6	154
90	A New Learning Algorithm for a Fully Connected Neuro-Fuzzy Inference System. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1741-1757.	7.2	37

#	Article	IF	Citations
91	Fabrication of Graphene-isolated-Au-nanocrystal Nanostructures for Multimodal Cell Imaging and Photothermal-enhanced Chemotherapy. Scientific Reports, 2014, 4, 6093.	1.6	95
92	A User-Customizable Urban Traffic Information Collection Method Based on Wireless Sensor Networks. IEEE Transactions on Intelligent Transportation Systems, 2013, 14, 1119-1128.	4.7	35
93	Road link traffic speed pattern mining in probe vehicle data via soft computing techniques. Applied Soft Computing Journal, 2013, 13, 3894-3902.	4.1	9
94	Regional multi-focus image fusion using clarity enhanced image segmentation and sparse representation. , 2013, , .		0
95	Regional multifocus image fusion using sparse representation. Optics Express, 2013, 21, 5182.	1.7	56
96	A Multiple-Kernel Fuzzy C-Means Algorithm for Image Segmentation. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1263-1274.	5.5	211