

List of Publications by Year in descending order

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docs citations

96
times ranked

4278
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multiple-Kernel Fuzzy C-Means Algorithm for Image Segmentation. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1263-1274.	5.5	211
2	I-Ching Divination Evolutionary Algorithm and its Convergence Analysis. IEEE Transactions on Cybernetics, 2017, 47, 2-13.	6.2	189
3	Fuzzy Restricted Boltzmann Machine for the Enhancement of Deep Learning. IEEE Transactions on Fuzzy Systems, 2015, 23, 2163-2173.	6.5	187
4	Predictive Deep Boltzmann Machine for Multiperiod Wind Speed Forecasting. IEEE Transactions on Sustainable Energy, 2015, 6, 1416-1425.	5.9	186
5	Simultaneous Application of Photothermal Therapy and an Anti-inflammatory Prodrug using Pyrene-Aspirin-Loaded Gold Nanorod Graphitic Nanocapsules. Angewandte Chemie - International Edition, 2018, 57, 177-181.	7.2	169
6	Design of Highly Nonlinear Substitution Boxes Based on I-Ching Operators. IEEE Transactions on Cybernetics, 2018, 48, 3349-3358.	6.2	162
7	Alkyne-Functionalized Superstable Graphitic Silver Nanoparticles for Raman Imaging. Journal of the American Chemical Society, 2014, 136, 13558-13561.	6.6	154
8	On Some Separated Algorithms for Separable Nonlinear Least Squares Problems. IEEE Transactions on Cybernetics, 2018, 48, 2866-2874.	6.2	142
9	Fuzzy clustering with the entropy of attribute weights. Neurocomputing, 2016, 198, 125-134.	3.5	132
10	Weighted Joint Sparse Representation for Removing Mixed Noise in Image. IEEE Transactions on Cybernetics, 2017, 47, 600-611.	6.2	118
11	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
12	Control of nonlinear systems under dynamic constraints: A unified barrier function-based approach. Automatica, 2020, 119, 109102.	3.0	110
13	Weighted Couple Sparse Representation With Classified Regularization for Impulse Noise Removal. IEEE Transactions on Image Processing, 2015, 24, 4014-4026.	6.0	103
14	Fabrication of Graphene-isolated-Au-nanocrystal Nanostructures for Multimodal Cell Imaging and Photothermal-enhanced Chemotherapy. Scientific Reports, 2014, 4, 6093.	1.6	95
15	A Collaborative Fuzzy Clustering Algorithm in Distributed Network Environments. IEEE Transactions on Fuzzy Systems, 2014, 22, 1443-1456.	6.5	85
16	Term Selection for a Class of Separable Nonlinear Models. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 445-451.	7.2	63
17	EEG Emotion Recognition Using Dynamical Graph Convolutional Neural Networks and Broad Learning System. , 2018, , .		59
18	Regional multifocus image fusion using sparse representation. Optics Express, 2013, 21, 5182.	1.7	56

#	ARTICLE	IF	CITATIONS
19	Stable Graphene-Isolated-Au-Nanocrystal for Accurate and Rapid Surface Enhancement Raman Scattering Analysis. <i>Analytical Chemistry</i> , 2016, 88, 10611-10616.	3.2	54
20	Isotopic graphene- ¹³ C-isolated-Au-nanocrystals with cellular Raman-silent signals for cancer cell pattern recognition. <i>Chemical Science</i> , 2018, 9, 2842-2849.	3.7	51
21	Robust Face Hallucination via Locality-Constrained Bi-Layer Representation. <i>IEEE Transactions on Cybernetics</i> , 2018, 48, 1189-1201.	6.2	51
22	Stable and unique graphitic Raman internal standard nanocapsules for surface-enhanced Raman spectroscopy quantitative analysis. <i>Nano Research</i> , 2016, 9, 1418-1425.	5.8	45
23	Integrating guided filter into fuzzy clustering for noisy image segmentation. <i>IEEE Transactions on Cybernetics</i> , 2018, 48, 235-248.	6.2	45
24	In situ targeted MRI detection of <i>Helicobacter pylori</i> with stable magnetic graphitic nanocapsules. <i>Nature Communications</i> , 2017, 8, 15653.	5.8	41
25	Exploiting the interpretability and forecasting ability of the RBF-AR model for nonlinear time series. <i>International Journal of Systems Science</i> , 2016, 47, 1868-1876.	3.7	40
26	Stable gold graphitic nanocapsule doped hydrogels for efficient photothermal antibacterial applications. <i>Chemical Communications</i> , 2019, 55, 5359-5362.	2.2	40
27	A New Learning Algorithm for a Fully Connected Neuro-Fuzzy Inference System. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014, 25, 1741-1757.	7.2	37
28	Low-Cost Approximation-Based Adaptive Tracking Control of Output-Constrained Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 4890-4900.	7.2	37
29	A User-Customizable Urban Traffic Information Collection Method Based on Wireless Sensor Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2013, 14, 1119-1128.	4.7	35
30	Quantized consensus control for second-order multi-agent systems with nonlinear dynamics. <i>Neurocomputing</i> , 2016, 175, 529-537.	3.5	33
31	A Two-Stage Estimation Algorithm Based on Variable Projection Method for GPS Positioning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2018, 67, 2518-2525.	2.4	32
32	Variational Inference based Automatic Relevance Determination Kernel for Embedded Feature Selection of Noisy Industrial Data. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 66, 1-1.	5.2	31
33	Membership Affinity Lasso for Fuzzy Clustering. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 294-307.	6.5	30
34	Simultaneous tracking of drug molecules and carriers using aptamer-functionalized fluorescent superstable gold nanorod- ¹³ C-carbon nanocapsules during thermo-chemotherapy. <i>Nanoscale</i> , 2016, 8, 7942-7948.	2.8	28
35	Simultaneous Application of Photothermal Therapy and an Anti- ¹³ C-inflammatory Prodrug using Pyrene- ¹³ C-Aspirin-Loaded Gold Nanorod Graphitic Nanocapsules. <i>Angewandte Chemie</i> , 2018, 130, 183-187.	1.6	28
36	Modulating the Morphology of Gold Graphitic Nanocapsules for Plasmon Resonance-Enhanced Multimodal Imaging. <i>Analytical Chemistry</i> , 2016, 88, 5385-5391.	3.2	25

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37	Uncertain Data Clustering in Distributed Peer-to-Peer Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 2392-2406.	7.2	25
38	Magnetic-graphitic-nanocapsule templated diacetylene assembly and photopolymerization for sensing and multicoded anti-counterfeiting. <i>Nanoscale</i> , 2014, 6, 13097-13103.	2.8	23
39	A robust bi-sparsity model with non-local regularization for mixed noise reduction. <i>Information Sciences</i> , 2016, 354, 101-111.	4.0	23
40	Intelligent Localization of a High-Speed Train Using LSSVM and the Online Sparse Optimization Approach. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2017, 18, 2071-2084.	4.7	23
41	Surfactant-Free Interface Suspended Gold Graphitic Surface-Enhanced Raman Spectroscopy Substrate for Simultaneous Multiphase Analysis. <i>Analytical Chemistry</i> , 2018, 90, 11183-11187.	3.2	21
42	Multifocus image fusion with enhanced linear spectral clustering and fast depth map estimation. <i>Neurocomputing</i> , 2018, 318, 43-54.	3.5	21
43	Data-driven train operation models based on data mining and driving experience for the diesel-electric locomotive. <i>Advanced Engineering Informatics</i> , 2016, 30, 553-563.	4.0	20
44	The influence of physiological environment on the targeting effect of aptamer-guided gold nanoparticles. <i>Nano Research</i> , 2019, 12, 129-135.	5.8	20
45	Versatile metal graphitic nanocapsules for SERS bioanalysis. <i>Chinese Chemical Letters</i> , 2019, 30, 1581-1592.	4.8	19
46	Piezoelectricity in Monolayer and Multilayer Ti_3C_2Tx MXenes: Implications for Piezoelectric Devices. <i>ACS Applied Nano Materials</i> , 2022, 5, 1034-1046.	2.4	19
47	In situ pepsin-assisted needle assembly of magnetic-graphitic-nanocapsules for enhanced gastric retention and mucus penetration. <i>Nano Today</i> , 2021, 36, 101032.	6.2	18
48	Clustering Algorithm Based on Spatial Shadowed Fuzzy C-means and I-Ching Operators. <i>International Journal of Fuzzy Systems</i> , 2016, 18, 609-617.	2.3	17
49	Stabilizing Enzymes in Plasmonic Silk Film for Synergistic Therapy of In Situ SERS Identified Bacteria. <i>Advanced Science</i> , 2022, 9, e2104576.	5.6	17
50	Image Guided Fuzzy C-Means for Image Segmentation. <i>International Journal of Fuzzy Systems</i> , 2017, 19, 1660-1669.	2.3	16
51	Advances in metal graphitic nanocapsules for biomedicine. <i>Exploration</i> , 2022, 2, .	5.4	16
52	Elucidating the cellular uptake mechanism of aptamer-functionalized graphene-isolated-Au-nanocrystals with dual-modal imaging. <i>Analyst</i> , 2016, 141, 3337-3342.	1.7	15
53	Multifocus image fusion using superpixel segmentation and superpixel-based mean filtering. <i>Applied Optics</i> , 2016, 55, 10352.	2.1	14
54	Recent Advances in Multifunctional Graphitic Nanocapsules for Raman Detection, Imaging, and Therapy. <i>Small Methods</i> , 2020, 4, 1900440.	4.6	13

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55	Prediction intervals for industrial data with incomplete input using kernel-based dynamic Bayesian networks. <i>Artificial Intelligence Review</i> , 2016, 46, 307-326.	9.7	12
56	Transfer Collaborative Fuzzy Clustering in Distributed Peer-to-Peer Networks. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 500-514.	6.5	11
57	Graphitic nanocapsules: design, synthesis and bioanalytical applications. <i>Nanoscale</i> , 2017, 9, 10529-10543.	2.8	10
58	Multivariate morphological reconstruction based fuzzy clustering with a weighting multi-channel guided image filter for color image segmentation. <i>International Journal of Machine Learning and Cybernetics</i> , 2020, 11, 2793-2806.	2.3	10
59	Road link traffic speed pattern mining in probe vehicle data via soft computing techniques. <i>Applied Soft Computing Journal</i> , 2013, 13, 3894-3902.	4.1	9
60	Robust adaptive fault-tolerant quantized control of nonlinear systems with constraints on system behaviors and states. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 3215-3233.	2.1	9
61	Incremental Bayesian broad learning system and its industrial application. <i>Artificial Intelligence Review</i> , 2021, 54, 3517-3537.	9.7	9
62	A Novel Semi-Supervised Sparse Bayesian Regression Based on Variational Inference for Industrial Datasets With Incomplete Outputs. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 4773-4786.	5.9	8
63	Versatile $\langle scp \rangle$ Graphene-Isolated AuAg-Nanocrystal $\langle /scp \rangle$ for Multiphase Analysis and Multimodal Cellular Raman Imaging ^{â€} . <i>Chinese Journal of Chemistry</i> , 2021, 39, 1491-1497.	2.6	8
64	Random Fourier feature-based fuzzy clustering with $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2456" altimg="si348.svg" \rangle \langle mml:mi \rangle p \langle /mml:mi \rangle \langle /mml:math \rangle$ -Laplacian regularization. <i>Applied Soft Computing Journal</i> , 2021, 111, 107724.	4.1	8
65	Adaptive asymptotic tracking control of constrained multi-input multi-output nonlinear systems via event-triggered strategy. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 1479-1496.	2.1	8
66	Region-Based Multi-focus Image Fusion Using Guided Filtering and Greedy Analysis. , 2015, , .		7
67	Fuzzy Clustering in Cascaded Feature Space. <i>International Journal of Fuzzy Systems</i> , 2019, 21, 2155-2167.	2.3	7
68	Multiple Kernel Fuzzy Clustering With Unsupervised Random Forests Kernel and Matrix-Induced Regularization. <i>IEEE Access</i> , 2019, 7, 3967-3979.	2.6	7
69	In Situ Gastric pH Imaging with Hydrogel Capsule Isolated Paramagnetic Metallo-albumin Complexes. <i>Analytical Chemistry</i> , 2021, 93, 5939-5946.	3.2	7
70	Multiple Kernel Shadowed Clustering in Approximated Feature Space. <i>Lecture Notes in Computer Science</i> , 2018, , 265-275.	1.0	7
71	Multi-Channel EEG Based Emotion Recognition Using Temporal Convolutional Network and Broad Learning System. , 2020, , .		7
72	Model selection for RBF-ARX models. <i>Applied Soft Computing Journal</i> , 2022, 121, 108723.	4.1	7

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73	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
74	Enzyme-mimic activity study of superstable and ultrasmall graphene encapsulated CoRu nanocrystal. APL Materials, 2021, 9, .	2.2	6
75	Fuzzy clustering for multiview data by combining latent information. Applied Soft Computing Journal, 2022, 126, 109140.	4.1	6
76	Kernel non-local shadowed c-means for image segmentation. , 2014, , .		5
77	Fuzzy clustering method with graph-based regularization. , 2016, , .		5
78	Fuzzy clustering in high-dimensional approximated feature space. , 2016, , .		5
79	Applications of Graphitic Nanomaterial's Optical Properties in Biochemical Sensing. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2017, 33, 28-39.	2.2	5
80	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
81	Image guided Fuzzy C-means for image segmentation. , 2016, , .		3
82	Shadowed C-means clustering based on approximated feature space. , 2017, , .		3
83	Collaborative Penalized Least Squares for Background Correction of Multiple Raman Spectra. Journal of Analytical Methods in Chemistry, 2018, 2018, 1-11.	0.7	3
84	Multi-operation Conditions Prediction Based on Least Square Support Vector Machine for Blast Furnace Gas System in Steel Industry. , 2020, , .		3
85	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
86	Rician noise removal in MR imaging using multi-image guided filter. , 2016, , .		1
87	Consensus control for nonlinear multi-agent systems with packet dropouts and measurement noises. , 2016, , .		1
88	Fuzzy clustering based traffic pattern identification. , 2016, , .		1
89	Clustering based Image Segmentation via Weighted Fusion of Non-local and Local Information. , 2018, , .		1
90	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

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91	Metal Graphitic Nanocapsules for Theranostics in Harsh Conditions. <i>Frontiers in Chemistry</i> , 2022, 10, .	1.8	1
92	Regional multi-focus image fusion using clarity enhanced image segmentation and sparse representation. , 2013, , .		0
93	A new method based on wavelet and greedy pursuit analysis for neuro-spike detection. , 2014, , .		0
94	Novel Approaches for Regional Multifocus Image Fusion. , 2016, , .		0
95	The Construction of Cascaded Features and Its Application in Fuzzy Clustering. , 2018, , .		0
96	Random Maclaurin Feature-based Fuzzy Clustering. , 2020, , .		0