

Xiaohui Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

172
papers

4,748
citations

126907

33
h-index

118850

62
g-index

177
all docs

177
docs citations

177
times ranked

3887
citing authors

#	ARTICLE	IF	CITATIONS
1	Zero-shot learning for compound fault diagnosis of bearings. Expert Systems With Applications, 2022, 190, 116197.	7.6	53
2	Registration of Human Point Set using Automatic Key Point Detection and Region-aware Features. , 2022, , .		4
3	Clip-aware expressive feature learning for video-based facial expression recognition. Information Sciences, 2022, 598, 182-195.	6.9	18
4	Deep flight track clustering based on spatialâ€“temporal distance and denoising auto-encoding. Expert Systems With Applications, 2022, 198, 116733.	7.6	6
5	Scale attentive network for scene recognition. Neurocomputing, 2022, 492, 612-623.	5.9	8
6	Gradient convolutional neural network for classification of agricultural fields with contour levee. International Journal of Remote Sensing, 2022, 43, 75-94.	2.9	4
7	Simple low-light image enhancement based on Weberâ€“Fechner law in logarithmic space. Signal Processing: Image Communication, 2022, 106, 116742.	3.2	41
8	A review of deep learning methods for semantic segmentation of remote sensing imagery. Expert Systems With Applications, 2021, 169, 114417.	7.6	278
9	Non-rigid registration of point clouds using landmarks and stochastic neighbor embedding. Journal of Electronic Imaging, 2021, 30, .	0.9	3
10	Generative adversarial network-enabled learning scheme for power grid vulnerability analysis. International Journal of Web and Grid Services, 2021, 17, 138.	0.5	3
11	Three-stage Stackelberg game based edge computing resource management for mobile blockchain. Peer-to-Peer Networking and Applications, 2021, 14, 1431-1445.	3.9	7
12	Flight track pattern recognition based on few labeled data with outliers. Journal of Electronic Imaging, 2021, 30, .	0.9	5
13	Attention Pyramid Module for Scene Recognition. , 2021, , .		4
14	A hybrid method for muscle artifact removal from EEG signals. Journal of Neuroscience Methods, 2021, 353, 109104.	2.5	13
15	Urban land-use analysis using proximate sensing imagery: a survey. International Journal of Geographical Information Science, 2021, 35, 2129-2148.	4.8	10
16	Visual SLAM for robot navigation in healthcare facility. Pattern Recognition, 2021, 113, 107822.	8.1	53
17	Weak-Light Image Enhancement Method Based on Adaptive Local Gamma Transform and Color Compensation. Journal of Sensors, 2021, 2021, 1-18.	1.1	11
18	Protein functional module identification method combining topological features and gene expression data. BMC Genomics, 2021, 22, 423.	2.8	2

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19	Emotion recognition based on fusion of long short-term memory networks and SVMs. , 2021, 117, 103153.		29
20	COVID-19 Detection from X-ray Images using Multi-Kernel-Size Spatial-Channel Attention Network. Pattern Recognition, 2021, 119, 108055.	8.1	24
21	Cross-Category Mechanical Fault Diagnosis Based on Deep Few-Shot Learning. IEEE Sensors Journal, 2021, 21, 27698-27709.	4.7	11
22	An Adaptive Large Neighborhood Search for Solving Generalized Lock Scheduling Problem: Comparative Study With Exact Methods. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3344-3356.	8.0	10
23	Coordinated optimized scheduling of locks and transshipment in inland waterway transportation using binary NSGA-II. International Transactions in Operational Research, 2020, 27, 1501-1525.	2.7	13
24	Superpixel generation for polarimetric SAR using Hierarchical Energy maximization. Computers and Geosciences, 2020, 135, 104395.	4.2	9
25	Controller placements for latency minimization of both primary and backup paths in SDNs. Computer Communications, 2020, 163, 35-50.	5.1	18
26	An airlight estimation method for image dehazing based on gray projection. Multimedia Tools and Applications, 2020, 79, 27185-27203.	3.9	4
27	Coordination Scheduling of Wind-Hydropower Generation and Profit Allocation Based on Shapley Value Method. Mathematical Problems in Engineering, 2020, 2020, 1-20.	1.1	2
28	Input and output strictly passive H_∞ control of continuous switched singular systems. Computational and Applied Mathematics, 2020, 39, 1.	2.2	4
29	Kernel learning for blind image recovery from motion blur. Multimedia Tools and Applications, 2020, 79, 21873-21887.	3.9	4
30	An Experiment-Based Review of Low-Light Image Enhancement Methods. IEEE Access, 2020, 8, 87884-87917.	4.2	147
31	Reference Evapotranspiration Modeling Using New Heuristic Methods. Entropy, 2020, 22, 547.	2.2	30
32	Investigation into the Effects of Climate Change on Reference Evapotranspiration Using the HadCM3 and LARS-WG. Water (Switzerland), 2020, 12, 666.	2.7	27
33	An improved long short-term memory network for streamflow forecasting in the upper Yangtze River. Stochastic Environmental Research and Risk Assessment, 2020, 34, 1313-1329.	4.0	65
34	Social- and Content-Aware Prediction for Video Content Delivery. IEEE Access, 2020, 8, 29219-29227.	4.2	6
35	A blockchain-based data storage framework: A rotating multiple random masters and error-correcting approach. Peer-to-Peer Networking and Applications, 2020, 13, 1486-1504.	3.9	8
36	A SAFSA- and Metabolism-Based Nonlinear Grey Bernoulli Model for Annual Water Consumption Prediction. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2020, 44, 755-765.	1.9	9

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37	Controller Placements for Improving Flow Set-Up Reliability of Software-Defined Networks. <i>Studies in Distributed Intelligence</i> , 2020, , 3-13.	0.6	3
38	Weakly Supervised Deep Learning for Objects Detection from Images. <i>Studies in Distributed Intelligence</i> , 2020, , 231-242.	0.6	11
39	A Unified Coherent-Incoherent Target Decomposition Method for Polarimetric SAR. <i>Studies in Distributed Intelligence</i> , 2020, , 69-79.	0.6	1
40	Urban Scene Recognition via Deep Network Integration. <i>Communications in Computer and Information Science</i> , 2020, , 135-149.	0.5	3
41	Stackelberg Game Based Edge Computing Resource Management for Mobile Blockchain. , 2020, , .		2
42	A Task-Aware Network for Multi-task Learning. <i>Communications in Computer and Information Science</i> , 2020, , 47-58.	0.5	0
43	A Thin Client Error-Correcting Data Storage Framework Based on Blockchain. <i>Studies in Distributed Intelligence</i> , 2020, , 29-38.	0.6	0
44	Point Set Registration of Large Deformation Using Auxiliary Landmarks. <i>Communications in Computer and Information Science</i> , 2020, , 86-98.	0.5	2
45	Module overlapping structure detection in PPI using an improved link similarity-based Markov clustering algorithm. <i>Neural Computing and Applications</i> , 2019, 31, 1481-1490.	5.6	21
46	Parameter estimation of chaotic systems based on extreme value points. <i>Pramana - Journal of Physics</i> , 2019, 92, 1.	1.8	1
47	Attention-Based Dense Point Cloud Reconstruction From a Single Image. <i>IEEE Access</i> , 2019, 7, 137420-137431.	4.2	24
48	Expectation-based 3D edge bundling. <i>Multimedia Tools and Applications</i> , 2019, 78, 35099-35118.	3.9	1
49	Intelligent data aggregation inspired paradigm and approaches in IoT applications. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 37, 3-7.	1.4	8
50	Comparison of LSSVR, M5RT, NF-GP, and NF-SC Models for Predictions of Hourly Wind Speed and Wind Power Based on Cross-Validation. <i>Energies</i> , 2019, 12, 329.	3.1	43
51	Adaptive image enhancement method for correcting low-illumination images. <i>Information Sciences</i> , 2019, 496, 25-41.	6.9	95
52	Fabric Defect Detection Using Activation Layer Embedded Convolutional Neural Network. <i>IEEE Access</i> , 2019, 7, 70130-70140.	4.2	87
53	Application of fractional order-based grey power model in water consumption prediction. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	20
54	3D-FHNet: Three-Dimensional Fusion Hierarchical Reconstruction Method for Any Number of Views. <i>IEEE Access</i> , 2019, 7, 172902-172912.	4.2	9

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55	Special issue on machine learning applications for self-organized wireless sensor networks. <i>Neural Computing and Applications</i> , 2019, 31, 1-2.	5.6	10
56	Feature selection based on artificial bee colony and gradient boosting decision tree. <i>Applied Soft Computing Journal</i> , 2019, 74, 634-642.	7.2	384
57	A hybrid support vector regression framework for streamflow forecast. <i>Journal of Hydrology</i> , 2019, 568, 184-193.	5.4	93
58	Collaborative task assignment of interconnected, affective robots towards autonomous healthcare assistant. <i>Future Generation Computer Systems</i> , 2019, 92, 241-251.	7.5	31
59	License plate detection and recognition using hierarchical feature layers from CNN. <i>Multimedia Tools and Applications</i> , 2019, 78, 15665-15680.	3.9	19
60	Color segmentation in multicolor images using node-growing self-organizing map. <i>Color Research and Application</i> , 2019, 44, 184-193.	1.6	10
61	Application of soft computing models in streamflow forecasting. <i>Water Management</i> , 2019, 172, 123-134.	1.2	18
62	Automatic removal of complex shadows from indoor videos using transfer learning and dynamic thresholding. <i>Computers and Electrical Engineering</i> , 2018, 70, 813-825.	4.8	75
63	A regularized ensemble framework of deep learning for cancer detection from multi-class, imbalanced training data. <i>Pattern Recognition</i> , 2018, 77, 160-172.	8.1	139
64	A hybrid framework for automatic joint detection of human poses in depth frames. <i>Pattern Recognition</i> , 2018, 77, 216-225.	8.1	24
65	Separating Touching Particles: A Concavity-Based Method Using the Area Ratio of a Circular Mask. <i>IEEE Systems, Man, and Cybernetics Magazine</i> , 2018, 4, 24-32.	1.4	2
66	Personality driven task allocation for emotional robot team. <i>International Journal of Machine Learning and Cybernetics</i> , 2018, 9, 1955-1962.	3.6	18
67	Iterative asymmetric multiscale morphology and its application to fault detection for rolling element bearing. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 316-330.	2.1	3
68	Optimizing K-coverage of mobile WSNs. <i>Expert Systems With Applications</i> , 2018, 92, 142-153.	7.6	137
69	Application of improved bat algorithm in optimal power flow problem. <i>Applied Intelligence</i> , 2018, 48, 2304-2314.	5.3	16
70	Dynamic Taxi Service Planning by Minimizing Cruising Distance Without Passengers. <i>IEEE Access</i> , 2018, 6, 70005-70016.	4.2	17
71	Urban Land-Use Classification From Photographs. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018, 15, 1927-1931.	3.1	17
72	Emotion recognition using empirical mode decomposition and approximation entropy. <i>Computers and Electrical Engineering</i> , 2018, 72, 383-392.	4.8	59

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73	CRNet: Classification and Regression Neural Network for Facial Beauty Prediction. Lecture Notes in Computer Science, 2018, , 661-671.	1.3	14
74	Monthly runoff forecasting based on LSTM+ALO model. Stochastic Environmental Research and Risk Assessment, 2018, 32, 2199-2212.	4.0	209
75	Conditional convolution neural network enhanced random forest for facial expression recognition. Pattern Recognition, 2018, 84, 251-261.	8.1	81
76	A Fast and Accurate Retina Image Verification Method Based on Structure Similarity. , 2018, , .		7
77	Stream Flow Forecasting of Poorly Gauged Mountainous Watershed by Least Square Support Vector Machine, Fuzzy Genetic Algorithm and M5 Model Tree Using Climatic Data from Nearby Station. Water Resources Management, 2018, 32, 4469-4486.	3.9	39
78	Automatic Construction of Aerial Corridor from Discrete LiDAR Point Cloud. Studies in Big Data, 2018, , 449-465.	1.1	1
79	A Genetic Algorithm-Based, Dynamic Clustering Method Towards Improved WSN Longevity. Journal of Network and Systems Management, 2017, 25, 21-46.	4.9	180
80	Fast Image Dehazing Method Based on Linear Transformation. IEEE Transactions on Multimedia, 2017, 19, 1142-1155.	7.2	183
81	Fractal Dimension of Irregular Region of Interest Application to Corn Phenology Characterization. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1402-1412.	4.9	7
82	Dehazing for images with large sky region. Neurocomputing, 2017, 238, 365-376.	5.9	60
83	Orthogonal Design-Based NSGA-III for the Optimal Lockage Co-Scheduling Problem. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2085-2095.	8.0	36
84	A Wireless Sensor Network Recharging Strategy by Balancing Lifespan of Sensor Nodes. , 2017, , .		15
85	Multi-level structured hybrid forest for joint head detection and pose estimation. Neurocomputing, 2017, 266, 206-215.	5.9	18
86	Inverse Sparse Group Lasso Model for Robust Object Tracking. IEEE Transactions on Multimedia, 2017, 19, 1798-1810.	7.2	29
87	Parameter Identification of Integrated Model of Hydraulic Turbine Regulating System With Uncertainties Using Three Different Approaches. IEEE Transactions on Power Systems, 2017, 32, 3482-3491.	6.5	8
88	Optimizing robot path in dynamic environments using Genetic Algorithm and Bezier Curve. Journal of Intelligent and Fuzzy Systems, 2017, 33, 2305-2316.	1.4	97
89	Recent advances in image dehazing. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 410-436.	13.1	108
90	An Improved NSGA-III Algorithm for Reservoir Flood Control Operation. Water Resources Management, 2017, 31, 4469-4483.	3.9	36

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91	Geographically weighted regression model for urban traffic black-spot analysis. , 2017, , .		5
92	Urban function zoning using geotagged photos and openstreetmap. , 2017, , .		6
93	Automatic feature point detection and tracking of human actions in time-of-flight videos. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 677-685.	13.1	40
94	Erratum to "An Efficient Code-Based Threshold Ring Signature Scheme with a Leader-Participant Model". Security and Communication Networks, 2017, 2017, 1-1.	1.5	1
95	An Efficient Code-Based Threshold Ring Signature Scheme with a Leader-Participant Model. Security and Communication Networks, 2017, 2017, 1-7.	1.5	6
96	Short-Term Wind Speed Prediction Using EEMD-LSSVM Model. Advances in Meteorology, 2017, 2017, 1-22.	1.6	28
97	Superpixel-based classification using semantic information for polarimetric SAR imagery. , 2017, , .		3
98	Touching particles separation based on area ratio of circular mask. , 2017, , .		1
99	Evaluation of entropy/alpha/anisotropy based on adaptive coherency matrix estimation. , 2016, , .		0
100	Digital terrain model extraction in SUAS clearance survey using LiDar data. , 2016, , .		1
101	Automatic construction of aerial corridor for navigation of unmanned aircraft systems in class G airspace using LiDAR. , 2016, , .		7
102	Parameter Identification of Nonlinear Muskingum Model with Backtracking Search Algorithm. Water Resources Management, 2016, 30, 2767-2783.	3.9	35
103	Adaptive Coherency Matrix Estimation for Polarimetric SAR Imagery Based on Local Heterogeneity Coefficients. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6732-6745.	6.3	14
104	An efficient method for image dehazing. , 2016, , .		11
105	Electricity Cost Management for Cloud Data Centers under Diverse Delay Constraints. , 2016, , .		1
106	Parameter Identification of Chaotic and Hyper-Chaotic Systems Using Synchronization-Based Parameter Observer. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 1464-1475.	5.4	47
107	Multi-perspective terrestrial LiDAR point cloud registration using planar primitives. , 2016, , .		3
108	An energy efficient encryption method for secure dynamic WSN. Security and Communication Networks, 2016, 9, 2024-2031.	1.5	99

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109	Optimizing Discriminability of Globally Binarized Face Templates. Arabian Journal for Science and Engineering, 2016, 41, 2837-2846.	1.1	6
110	A secure data routing schema for WSN using Elliptic Curve Cryptography and homomorphic encryption. Journal of King Saud University - Computer and Information Sciences, 2016, 28, 262-275.	3.9	85
111	Multi-objective Artificial Physical Optimization Algorithm for Daily Economic Environmental Dispatch of Hydrothermal Systems. Electric Power Components and Systems, 2016, 44, 533-543.	1.8	7
112	Improved image reconstruction from sub-apertures of circular spotlight SAR. , 2015, , .		1
113	Digital forensics in social networks and the cloud: Process, approaches, methods, tools, and challenges. , 2015, , .		9
114	A multi-class boosting method for learning from imbalanced data. International Journal of Granular Computing, Rough Sets and Intelligent Systems, 2015, 4, 13.	0.3	15
115	Balancing Energy Consumption in Heterogeneous Wireless Sensor Networks Using Genetic Algorithm. IEEE Communications Letters, 2015, 19, 2194-2197.	4.1	158
116	Application of multi-objective controller to optimal tuning of PID gains for a hydraulic turbine regulating system using adaptive grid particle swarm optimization. ISA Transactions, 2015, 56, 173-187.	5.7	63
117	An improved gravitational search algorithm for solving short-term economic/environmental hydrothermal scheduling. Soft Computing, 2015, 19, 2783-2797.	3.6	16
118	Transmitting hidden information using steganography via Facebook. , 2014, , .		3
119	Extending self-organizing network availability using genetic algorithm. , 2014, , .		39
120	Binary biometric template generation towards security and class separability. , 2014, , .		2
121	Multiscaling Analysis of Monthly Runoff Series Using Improved MF-DFA Approach. Water Resources Management, 2014, 28, 3891-3903.	3.9	19
122	Adaptive wavelet shrinkage for noise robust speaker recognition. , 2014, 33, 180-190.		31
123	A novel figure panel classification and extraction method for document image understanding. International Journal of Data Mining and Bioinformatics, 2014, 9, 22.	0.1	7
124	Micro-mirror array simulation and far-field diffraction analysis. , 2014, , .		0
125	Boosting for learning from multiclass data sets via a regularized loss function. , 2013, , .		2
126	Ensure privacy and security in the process of medical image analysis. , 2013, , .		18

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127	Improving classification performance for the minority class in highly imbalanced dataset using boosting. , 2012, , .		0
128	Contrast enhancement and assessment of OCT images. , 2012, , .		12
129	Learning from large dataset: segmentation of capsule endoscopy videos. International Journal of Functional Informatics and Personalised Medicine, 2012, 4, 1.	0.4	2
130	A Boosting Method for Learning from Uneven Data for Improved Face Recognition. , 2012, , .		1
131	Improved Action Recognition Using an Efficient Boosting Method. Communications in Computer and Information Science, 2012, , 193-202.	0.5	0
132	SampleBoost for Capsule Endoscopy Categorization and Abnormality Detection. Communications in Computer and Information Science, 2012, , 285-294.	0.5	0
133	Automatic Urban Water-Body Detection and Segmentation From Sparse ALSM Data via Spatially Constrained Model-Driven Clustering. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 73-77.	3.1	39
134	Unit commitment problem using enhanced particle swarm optimization algorithm. Soft Computing, 2011, 15, 139-148.	3.6	62
135	Fusion of multi-planar images for improved three-dimensional object reconstruction. Computerized Medical Imaging and Graphics, 2011, 35, 373-382.	5.8	5
136	Resampling method for balancing training data in video analysis. Proceedings of SPIE, 2010, , .	0.8	1
137	A Multiresolution Method for Tagline Detection and Indexing. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 507-513.	3.2	4
138	A model-driven classification and recursive segmentation method for automatic panel extraction from biological and medical papers. , 2010, , .		0
139	Segmentation of blurry object by learning from examples. Proceedings of SPIE, 2010, , .	0.8	5
140	Image registration error analysis using pattern recognition algorithms. , 2010, , .		0
141	Segmentation of CE videos by finding convex skin. , 2010, , .		1
142	Mining online full-text literature for novel protein interaction discovery. , 2010, , .		6
143	Non-convex dynamic dispatch of generators with prohibited operating zones. Optimal Control Applications and Methods, 2009, 30, 103-120.	2.1	11
144	Obscure bleeding detection in endoscopy images using support vector machines. Optimization and Engineering, 2009, 10, 289-299.	2.4	35

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145	Incremental classification learning for anomaly detection in medical images. , 2009, , .		2
146	Bleeding detection from capsule endoscopy videos. , 2008, 2008, 4780-3.		36
147	A Cultural Algorithm for Scheduling of Hydro Producer in the Power Market. , 2008, , .		5
148	An Adaptive Method for the Construction of Digital Terrain Model from Lidar Data. , 2008, , .		4
149	A Chaotic Hybrid Cultural Algorithm for Constrained Optimization. , 2008, , .		5
150	Research and Application of Data Mining for Runoff Forecasting. , 2008, , .		5
151	Co-Evolutionary Strategy Algorithm to the Lockage Scheduling of the Three Gorges Project. , 2008, , .		3
152	A Preprocessing Method for Automatic Break Lines Detection. , 2008, , .		0
153	Simulation Based Parallel Genetic Algorithm to the Lockage Co-scheduling of the Three Gorges Project. , 2008, , .		3
154	Gradient Vector Flowdriven Active Shape for Image Segmentation. , 2007, , .		2
155	Automatic classification of digestive organs in wireless capsule endoscopy videos. , 2007, , .		58
156	An accurate tongue tissue strain synthesis using pseudo-wavelet reconstruction-based tagline detection. , 2007, , .		0
157	A Wavelet-Based Noise-Aware Method for Fusing Noisy Imagery. , 2007, , .		4
158	A pseudo wavelet-based method for accurate tagline tracing on tagged MR images of the tongue. , 2006, , .		1
159	Image registration using shape-constrained mutual information and genetic algorithms. , 2006, , .		0
160	Multi-scale feature identification using evolution strategies. Image and Vision Computing, 2005, 23, 555-563.	4.5	18
161	FUNCTION GRANULARITY ESTIMATION FOR MULTIMODAL OPTIMIZATION. International Journal on Artificial Intelligence Tools, 2005, 14, 199-213.	1.0	1
162	Subband noise estimation for adaptive wavelet shrinkage. , 2004, , .		6

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163	Short-Term Scheduling of Large-Scale Hydropower Systems for Energy Maximization. Journal of Water Resources Planning and Management - ASCE, 2004, 130, 198-205.	2.6	25
164	Evolution strategies based image registration via feature matching. Information Fusion, 2004, 5, 269-282.	19.1	15
165	A Reliability and Risk Analysis System for Multipurpose Reservoir Operation. Environmental Fluid Mechanics, 2003, 3, 289-303.	1.6	2
166	Fusing multiple images with evidential reasoning. , 2003, , .		0
167	Feature-based approach for image correspondence estimation. , 2002, , .		2
168	Computational vision approach to improve fusion performance. , 2002, , .		1
169	Mining negative association rules. , 0, , .		28
170	Hybrid fusion approach based on fuzzy feature and evidential reasoning. , 0, , .		0
171	Subspace FDC for sharing distance estimation. , 0, , .		0
172	Secure Medical Image Processing for Mobile Devices Using Cloud Services. , 0, , .		1