

Yanhui Guo

List of Publications by Year in descending order

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Version: 2024-02-01

166
papers

6,016
citations

76326

40
h-index

85541

71
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168
all docs

168
docs citations

168
times ranked

4908
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of DNA discontinuity for detecting tuberculosis. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2024, 15, 1149-1163.	4.9	3
2	Performance of a computer aided diagnosis system for SARS-CoV-2 pneumonia based on ultrasound images. <i>European Journal of Radiology</i> , 2022, 146, 110066.	2.6	3
3	Graph-Based Link Prediction between Human Phenotypes and Genes. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-8.	1.1	5
4	A novel invasive plant detection approach using time series images from unmanned aerial systems based on convolutional and recurrent neural networks. <i>Neural Computing and Applications</i> , 2022, 34, 20135-20147.	5.6	6
5	Discrete wavelet transform-based freezing of gait detection in Parkinson's disease. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2021, 33, 543-559.	2.8	23
6	Deep learning of mammary gland distribution for architectural distortion detection in digital breast tomosynthesis. <i>Physics in Medicine and Biology</i> , 2021, 66, 035028.	3.0	13
7	A hybrid shape-based image clustering using time-series analysis. <i>Multimedia Tools and Applications</i> , 2021, 80, 3793-3808.	3.9	0
8	Automatic myocardial infarction detection in contrast echocardiography based on polar residual network. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 198, 105791.	4.7	9
9	Genetic algorithm-based initial contour optimization for skin lesion border detection. <i>Multimedia Tools and Applications</i> , 2021, 80, 2583-2597.	3.9	12
10	Ensemble-based bag of features for automated classification of normal and COVID-19 CXR images. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102656.	5.7	19
11	Two-level K-nearest neighbors approach for invasive plants detection and classification. <i>Applied Soft Computing Journal</i> , 2021, 108, 107523.	7.2	8
12	A novel diagnostic map for computer-aided diagnosis of skin cancer. <i>IET Image Processing</i> , 2021, 15, 897-907.	2.5	0
13	Computer-aided detection and diagnosis of microcalcification clusters on full field digital mammograms based on deep learning method using neutrosophic boosting. <i>Multimedia Tools and Applications</i> , 2020, 79, 17147-17167.	3.9	5
14	Diabetic plantar pressure analysis using image fusion. <i>Multimedia Tools and Applications</i> , 2020, 79, 11213-11236.	3.9	8
15	OCE-NGC: A neutrosophic graph cut algorithm using optimized clustering estimation algorithm for dermoscopic skin lesion segmentation. <i>Applied Soft Computing Journal</i> , 2020, 86, 105931.	7.2	15
16	Cascaded deep convolutional encoder-decoder neural networks for efficient liver tumor segmentation. <i>Medical Hypotheses</i> , 2020, 134, 109431.	1.5	87
17	Automated image analysis system for renal filtration barrier integrity of potassium bromate treated adult male albino rat. <i>Multimedia Tools and Applications</i> , 2020, 79, 7559-7575.	3.9	1
18	A novel weighted compressive sensing using L1-magic recovery technique in medical image compression. <i>Health Information Science and Systems</i> , 2020, 8, 2.	5.2	2

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19	An effective clustering method based on data indeterminacy in neutrosophic set domain. Engineering Applications of Artificial Intelligence, 2020, 89, 103411.	8.1	14
20	Optimal Power for Microwave Slotted Probes in Ablating Different Hepatocellular Carcinoma Sizes. Computers in Biology and Medicine, 2020, 127, 104101.	7.0	11
21	Prediction of Harvestable Energy for Self-Powered Wearable Healthcare Devices: Filling a Gap. IEEE Access, 2020, 8, 170336-170354.	4.2	23
22	Brain Tissue Evaluation Based on Skeleton Shape and Similarity Analysis between Hemispheres. Computation, 2020, 8, 31.	2.0	2
23	Feature Selection of Non-Dermoscopic Skin Lesion Images for Nevus and Melanoma Classification. Computation, 2020, 8, 41.	2.0	17
24	A Novel Framework of Two Successive Feature Selection Levels Using Weight-Based Procedure for Voice-Loss Detection in Parkinson's Disease. IEEE Access, 2020, 8, 76193-76203.	4.2	22
25	Intuitionistic based segmentation of thyroid nodules in ultrasound images. Computers in Biology and Medicine, 2020, 121, 103776.	7.0	29
26	Varied channels region proposal and classification network for wildlife image classification under complex environment. IET Image Processing, 2020, 14, 585-591.	2.5	8
27	An embedded novel compact feature profile image in speech signal for teledermoscopy system. Health Information Science and Systems, 2020, 8, 23.	5.2	1
28	Grey-Wolf-Based Wang's Demons for Retinal Image Registration. Entropy, 2020, 22, 659.	2.2	5
29	Computer-aided Diagnosis of Melanoma: A Review of Existing Knowledge and Strategies. Current Medical Imaging, 2020, 16, 835-854.	0.8	7
30	Colored Video Analysis in Wireless Capsule Endoscopy: A Survey of State-of-the-Art. Current Medical Imaging, 2020, 16, 1074-1084.	0.8	5
31	Prediction of Epileptic Seizures: A Statistical Approach with DCT Compression. , 2020, , .		2
32	Optimised halftoning and inverse halftoning of dermoscopic images for supporting teledermoscopy system. IET Image Processing, 2019, 13, 529-536.	2.5	5
33	Multi-modal classifier fusion with feature cooperation for glaucoma diagnosis. Journal of Experimental and Theoretical Artificial Intelligence, 2019, 31, 841-874.	2.8	19
34	A Radiomic feature-based Nipple Detection Algorithm on Digital Mammography. Medical Physics, 2019, 46, 4381-4391.	3.0	1
35	Neutrosophic multiple deep convolutional neural network for skin dermoscopic image classification. , 2019, , 269-285.		5
36	Advanced neutrosophic sets in Microscopic Image Analysis. , 2019, , 31-50.		1

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37	A Novel Neutrosophic Subsets Definition for Dermoscopic Image Segmentation. IEEE Access, 2019, 7, 151047-151053.	4.2	4
38	Certainty of outlier and boundary points processing in data mining. , 2019, , .		5
39	Efficient deep features selections and classification for flower species recognition. Measurement: Journal of the International Measurement Confederation, 2019, 137, 7-13.	5.0	68
40	Pediatric population health analysis of southern and central Illinois region: A cross sectional retrospective study using association rule mining and multiple logistic regression. Computer Methods and Programs in Biomedicine, 2019, 178, 145-153.	4.7	8
41	Classification of multi-carrier digital modulation signals using NCM clustering based feature-weighting method. Computers in Industry, 2019, 109, 45-58.	9.9	23
42	An Adaptive Region Growing Based on Neutrosophic Set in Ultrasound Domain for Image Segmentation. IEEE Access, 2019, 7, 60584-60593.	4.2	9
43	Dual feature selection and rebalancing strategy using metaheuristic optimization algorithms in X-ray image datasets. Multimedia Tools and Applications, 2019, 78, 20913-20933.	3.9	17
44	A Novel Pitch-Frequency-Based ECG Signal Classification Approach for Abnormality Detection. , 2019, , .		2
45	S-Transform-Based Electroencephalography Seizure Detection and Prediction. , 2019, , .		0
46	Neutrosophic set-based deep learning in mammogram analysis. , 2019, , 287-310.		1
47	Optimization-based neutrosophic set for medical image processing. , 2019, , 189-206.		2
48	Neutrosophic hough transform for blood cells nuclei detection. , 2019, , 207-227.		2
49	Neutrosophic sets in dermoscopic medical image segmentation. , 2019, , 229-243.		14
50	Neutrosophic set-based denoising of optical coherence tomography images. , 2019, , 123-142.		2
51	Meta-KANSEI Modeling with Valence-Arousal fMRI Dataset of Brain. Cognitive Computation, 2019, 11, 227-240.	5.2	15
52	Mathematical models and migrating birds optimization for robotic U-shaped assembly line balancing problem. Neural Computing and Applications, 2019, 31, 9095-9111.	5.6	22
53	Gaussian mixture model for texture characterization with application to brain DTI images. Journal of Advanced Research, 2019, 16, 15-23.	9.5	26
54	An optimized Mamdani FPD controller design of cardiac pacemaker. Health Information Science and Systems, 2019, 7, 2.	5.2	8

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55	Self-organizing mapping based swarm intelligence for secondary and tertiary proteins classification. International Journal of Machine Learning and Cybernetics, 2019, 10, 229-252.	3.6	12
56	White blood cells identification system based on convolutional deep neural learning networks. Computer Methods and Programs in Biomedicine, 2019, 168, 69-80.	4.7	136
57	Computer-aided diagnosis of breast cancer using bi-dimensional empirical mode decomposition. Neural Computing and Applications, 2019, 31, 3307-3315.	5.6	32
58	A new hybrid classifier selection model based on mRMR method and diversity measures. International Journal of Machine Learning and Cybernetics, 2019, 10, 1189-1204.	3.6	10
59	A survey of the state-of-the-arts on neutrosophic sets in biomedical diagnoses. International Journal of Machine Learning and Cybernetics, 2019, 10, 1-13.	3.6	78
60	A novel region growing approach using similarity set score and homogeneity based on neutrosophic set for ultrasound image segmentation. , 2019, , .		0
61	An effective color image segmentation approach using neutrosophic adaptive mean shift clustering. Measurement: Journal of the International Measurement Confederation, 2018, 119, 28-40.	5.0	44
62	A novel enhancement technique for pathological microscopic image using neutrosophic similarity score scaling. Optik, 2018, 161, 84-97.	2.9	16
63	A novel white blood cells segmentation algorithm based on adaptive neutrosophic similarity score. Health Information Science and Systems, 2018, 6, 1.	5.2	90
64	Hybrid feature extraction techniques for microscopic hepatic fibrosis classification. Microscopy Research and Technique, 2018, 81, 338-347.	2.2	2
65	A novel optimized neutrosophic k-means using genetic algorithm for skin lesion detection in dermoscopy images. Signal, Image and Video Processing, 2018, 12, 1311-1318.	2.7	30
66	An effective color texture image segmentation algorithm based on hermite transform. Applied Soft Computing Journal, 2018, 67, 494-504.	7.2	16
67	Medical cyber-physical systems: A survey. Journal of Medical Systems, 2018, 42, 74.	3.6	147
68	Light microscopy image de-noising using optimized LPA-ICI filter. Neural Computing and Applications, 2018, 29, 1517-1533.	5.6	24
69	Multi-level image thresholding using Otsu and chaotic bat algorithm. Neural Computing and Applications, 2018, 29, 1285-1307.	5.6	166
70	Social group optimization for global optimization of multimodal functions and data clustering problems. Neural Computing and Applications, 2018, 30, 271-287.	5.6	62
71	Evolutionary framework for coding area selection from cancer data. Neural Computing and Applications, 2018, 29, 1015-1037.	5.6	27
72	Image feature-based affective retrieval employing improved parameter and structure identification of adaptive neuro-fuzzy inference system. Neural Computing and Applications, 2018, 29, 1087-1102.	5.6	26

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73	Performance evaluation of objective functions in automatic generation control of thermal power system using ant colony optimization technique-designed proportionalâ€“integralâ€“derivative controller. Electrical Engineering, 2018, 100, 895-911.	2.0	35
74	Discrete cuckoo search algorithms for two-sided robotic assembly line balancing problem. Neural Computing and Applications, 2018, 30, 2685-2696.	5.6	53
75	Texture anisotropy technique in brain degenerative diseases. Neural Computing and Applications, 2018, 30, 1667-1677.	5.6	15
76	Morphological segmenting and neighborhood pixel-based locality preserving projection on brain fMRI dataset for semantic feature extraction: an affective computing study. Neural Computing and Applications, 2018, 30, 3733-3748.	5.6	20
77	Advanced Topological Map Matching Algorithm Based on Dâ€“S Theory. Arabian Journal for Science and Engineering, 2018, 43, 3863-3874.	3.0	24
78	Clinical application of modified bag-of-features coupled with hybrid neural-based classifier in dengue fever classification using gene expression data. Medical and Biological Engineering and Computing, 2018, 56, 709-720.	2.8	33
79	Optimal choice of k-mer in composition vector method for genome sequence comparison. Genomics, 2018, 110, 263-273.	2.9	16
80	Patient-dependent Freezing of Gait Detection using Signals from Multi-accelerometer Sensors in Parkinsonâ€™s Disease. , 2018, , .		7
81	Multiple Convolutional Neural Network for Skin Dermoscopic Image Classification. , 2018, , .		15
82	Initialization of Active Contour for Dermoscopic Image Segmentation: A Comparative Study. , 2018, , .		2
83	Log Transform Based Optimal Image Enhancement Using Firefly Algorithm for Autonomous Mini Unmanned Aerial Vehicle: An Application of Aerial Photography. International Journal of Image and Graphics, 2018, 18, 1850019.	1.5	42
84	Ensemble of subspace discriminant classifiers for schistosomal liver fibrosis staging in mice microscopic images. Health Information Science and Systems, 2018, 6, 21.	5.2	33
85	Centroid tracking and velocity measurement of white blood cell in video. Health Information Science and Systems, 2018, 6, 20.	5.2	3
86	Transfer learning based histopathologic image classification for breast cancer detection. Health Information Science and Systems, 2018, 6, 18.	5.2	201
87	A novel retinal vessel detection approach based on multiple deep convolution neural networks. Computer Methods and Programs in Biomedicine, 2018, 167, 43-48.	4.7	44
88	Comparative study of multiclass classification methods on light microscopic images for hepatic schistosomiasis fibrosis diagnosis. Health Information Science and Systems, 2018, 6, 7.	5.2	12
89	Big DNA datasets analysis under push down automata. Journal of Intelligent and Fuzzy Systems, 2018, 35, 1555-1565.	1.4	4
90	Social Group Optimization Supported Segmentation and Evaluation of Skin Melanoma Images. Symmetry, 2018, 10, 51.	2.2	119

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91	A Novel Skin Lesion Detection Approach Using Neutrosophic Clustering and Adaptive Region Growing in Dermoscopy Images. <i>Symmetry</i> , 2018, 10, 119.	2.2	36
92	Neutrosophic Weighted Support Vector Machines for the Determination of School Administrators Who Attended an Action Learning Course Based on Their Conflict-Handling Styles. <i>Symmetry</i> , 2018, 10, 176.	2.2	6
93	A hybrid dermoscopy images segmentation approach based on neutrosophic clustering and histogram estimation. <i>Applied Soft Computing Journal</i> , 2018, 69, 426-434.	7.2	38
94	A novel cumulative level difference mean based GLDM and modified ABCD features ranked using eigenvector centrality approach for four skin lesion types classification. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 165, 163-174.	4.7	39
95	Schistosomal Hepatic Fibrosis Classification. <i>International Journal of Natural Computing Research</i> , 2018, 7, 1-17.	0.5	1
96	Particle swarm optimization trained neural network for structural failure prediction of multistoried RC buildings. <i>Neural Computing and Applications</i> , 2017, 28, 2005-2016.	5.6	232
97	Application of flower pollination algorithm in load frequency control of multi-area interconnected power system with nonlinearity. <i>Neural Computing and Applications</i> , 2017, 28, 475-488.	5.6	89
98	Effect of fuzzy partitioning in Crohn's disease classification: a neuro-fuzzy-based approach. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 101-115.	2.8	73
99	A hybrid method based on time-frequency images for classification of alcohol and control EEG signals. <i>Neural Computing and Applications</i> , 2017, 28, 3717-3723.	5.6	37
100	A novel image segmentation approach based on neutrosophic c-means clustering and indeterminacy filtering. <i>Neural Computing and Applications</i> , 2017, 28, 3009-3019.	5.6	37
101	A novel myocardium segmentation approach based on neutrosophic active contour model. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 142, 109-116.	4.7	12
102	Hidden Markov model and Chapman Kolmogrov for protein structures prediction from images. <i>Computational Biology and Chemistry</i> , 2017, 68, 231-244.	2.3	25
103	Quantitative Diffusion Tensor Magnetic Resonance Imaging Signal Characteristics in the Human Brain: A Hemispheres Analysis. <i>IEEE Sensors Journal</i> , 2017, 17, 4886-4893.	4.7	10
104	Modified cuckoo search algorithm in microscopic image segmentation of hippocampus. <i>Microscopy Research and Technique</i> , 2017, 80, 1051-1072.	2.2	98
105	Texture analysis of parasitological liver fibrosis images. <i>Microscopy Research and Technique</i> , 2017, 80, 862-869.	2.2	17
106	De-Bruijn graph with MapReduce framework towards metagenomic data classification. <i>International Journal of Information Technology (Singapore)</i> , 2017, 9, 59-75.	2.7	40
107	Nonparametric denoising filter optimization using structure-based microscopic image classification. <i>Microscopy Research and Technique</i> , 2017, 80, 419-429.	2.2	19
108	Classification of amyotrophic lateral sclerosis disease based on convolutional neural network and reinforcement sample learning algorithm. <i>Health Information Science and Systems</i> , 2017, 5, 9.	5.2	57

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109	Using neutrosophic graph cut segmentation algorithm for qualified rendering image selection in thyroid elastography video. Health Information Science and Systems, 2017, 5, 8.	5.2	5
110	Optimization of Non-rigid Demons Registration Using Cuckoo Search Algorithm. Cognitive Computation, 2017, 9, 817-826.	5.2	21
111	Guest editorial: New trends in data pre-processing methods for signal and image classification. Neural Computing and Applications, 2017, 28, 2839-2841.	5.6	2
112	Hybrid modified Cuckoo Search-Neural Network in chronic kidney disease classification. , 2017, , .		29
113	A novel glomerular basement membrane segmentation using neutrosophic set and shearlet transform on microscopic images. Health Information Science and Systems, 2017, 5, 15.	5.2	12
114	A novel microaneurysms detection approach based on convolutional neural networks with reinforcement sample learning algorithm. Health Information Science and Systems, 2017, 5, 14.	5.2	40
115	Combined empirical mode decomposition and texture features for skin lesion classification using quadratic support vector machine. Health Information Science and Systems, 2017, 5, 10.	5.2	21
116	KNCM: Kernel Neutrosophic c-Means Clustering. Applied Soft Computing Journal, 2017, 52, 714-724.	7.2	28
117	Rule-based back propagation neural networks for various precision rough set presented KANSEI knowledge prediction: a case study on shoe product form features extraction. Neural Computing and Applications, 2017, 28, 613-630.	5.6	55
118	Gradient approximation in retinal blood vessel segmentation. , 2017, , .		25
119	Developing residential wireless sensor networks for ECG healthcare monitoring. IEEE Transactions on Consumer Electronics, 2017, 63, 442-449.	3.6	213
120	A retinal vessel detection approach using convolution neural network. , 2017, , .		9
121	A Retinal Vessel Detection Approach Based on Shearlet Transform and Indeterminacy Filtering on Fundus Images. Symmetry, 2017, 9, 235.	2.2	32
122	Neutrosophic Hough Transform. Axioms, 2017, 6, 35.	1.9	2
123	A Novel Neutrosophic Weighted Extreme Learning Machine for Imbalanced Data Set. Symmetry, 2017, 9, 142.	2.2	10
124	An Efficient Image Segmentation Algorithm Using Neutrosophic Graph Cut. Symmetry, 2017, 9, 185.	2.2	15
125	NS-k-NN: Neutrosophic Set-Based k-Nearest Neighbors Classifier. Symmetry, 2017, 9, 179.	2.2	54
126	Antenna Design and Direction of Arrival Estimation in Meta-Heuristic Paradigm. International Journal of Service Science, Management, Engineering, and Technology, 2016, 7, 1-18.	1.1	16

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127	A Disaster Management Specific Mobility Model for Flying Ad-hoc Network. International Journal of Rough Sets and Data Analysis, 2016, 3, 72-103.	1.0	40
128	Automatic builder of class diagram (ABCD): an application of UML generation from functional requirements. Software - Practice and Experience, 2016, 46, 1443-1458.	3.6	34
129	ExSep: An exon separation process using Neural Skyline Filter. , 2016, , .		11
130	Dynamic performance analysis of AGC of multi-area power system considering Proportional-Integral-Derivative controller with different cost functions. , 2016, , .		2
131	A semiautomated approach using GUI for the detection of red blood cells. , 2016, , .		10
132	Measurement of glomerulus diameter and Bowman's space width of renal albino rats. Computer Methods and Programs in Biomedicine, 2016, 126, 143-153.	4.7	64
133	Active site cavities identification of amyloid beta precursor protein: Alzheimer disease study. , 2016, , .		2
134	Automatic Generation Control of an interconnected multi-area reheat thermal power systems with conventional proportional-integral controller considering various performance indices. , 2016, , .		3
135	A MapReduce approach to diminish imbalance parameters for big deoxyribonucleic acid dataset. Computer Methods and Programs in Biomedicine, 2016, 131, 191-206.	4.7	85
136	Conventional controller based AGC of multi-area hydro-thermal power systems. , 2016, , .		3
137	Automated stratification of liver disease in ultrasound: An online accurate feature classification paradigm. Computer Methods and Programs in Biomedicine, 2016, 130, 118-134.	4.7	121
138	Timeâ€‘frequency texture descriptors of EEG signals for efficient detection of epileptic seizure. Brain Informatics, 2016, 3, 101-108.	3.0	46
139	A novel breast tumor classification algorithm using neutrosophic score features. Measurement: Journal of the International Measurement Confederation, 2016, 81, 210-220.	5.0	32
140	A novel breast ultrasound image segmentation algorithm based on neutrosophic similarity score and level set. Computer Methods and Programs in Biomedicine, 2016, 123, 43-53.	4.7	75
141	Parameter Optimization for Local Polynomial Approximation based Intersection Confidence Interval Filter Using Genetic Algorithm: An Application for Brain MRI Image De-Noising. Journal of Imaging, 2015, 1, 60-84.	3.0	96
142	NCM: Neutrosophic c-means clustering algorithm. Pattern Recognition, 2015, 48, 2710-2724.	8.1	122
143	NECM: Neutrosophic evidential c-means clustering algorithm. Neural Computing and Applications, 2015, 26, 561-571.	5.6	34
144	A novel 3D skeleton algorithm based on neutrosophic cost function. Applied Soft Computing Journal, 2015, 36, 210-217.	7.2	12

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145	Measurement of Myocardial Perfusion and Infarction Size Using Computer-Aided Diagnosis System for Myocardial Contrast Echocardiography. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 2466-2477.	1.5	7
146	Renewable Energy Management with a Multi-Agent System. <i>International Journal of Energy Optimization and Engineering</i> , 2015, 4, 49-59.	0.6	1
147	A novel image segmentation algorithm based on neutrosophic similarity clustering. <i>Applied Soft Computing Journal</i> , 2014, 25, 391-398.	7.2	56
148	A novel image thresholding algorithm based on neutrosophic similarity score. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 58, 175-186.	5.0	80
149	A novel image edge detection algorithm based on neutrosophic set. <i>Computers and Electrical Engineering</i> , 2014, 40, 3-25.	4.8	40
150	A Novel Color Image Segmentation Approach Based on Neutrosophic Set and Modified Fuzzy c-Means. <i>Circuits, Systems, and Signal Processing</i> , 2013, 32, 1699-1723.	2.0	62
151	A New Neutrosophic Approach of Wiener Filtering for MRI Denoising. <i>Measurement Science Review</i> , 2013, 13, 177-186.	1.0	29
152	Modified neutrosophic approach to color image segmentation. <i>Journal of Electronic Imaging</i> , 2013, 22, 013005.	0.9	19
153	Automated iterative neutrosophic lung segmentation for image analysis in thoracic computed tomography. <i>Medical Physics</i> , 2013, 40, 081912.	3.0	36
154	MRI denoising based on neutrosophic wiener filtering. , 2012, , .		8
155	A Neutrosophic approach of MRI denoising. , 2011, , .		3
156	A NOVEL APPROACH TO IMAGE THRESHOLDING BASED ON 2D HOMOGENEITY HISTOGRAM AND MAXIMUM FUZZY ENTROPY. <i>New Mathematics and Natural Computation</i> , 2011, 07, 105-133.	0.7	1
157	Color texture image segmentation based on neutrosophic set and wavelet transformation. <i>Computer Vision and Image Understanding</i> , 2011, 115, 1134-1144.	4.7	117
158	BREAST ULTRASOUND IMAGE SEGMENTATION BASED ON PARTICLE SWARM OPTIMIZATION AND THE CHARACTERISTICS OF BREAST TISSUE. <i>New Mathematics and Natural Computation</i> , 2011, 07, 135-154.	0.7	4
159	A NOVEL IMAGE SEGMENTATION APPROACH BASED ON NEUTROSOPHIC SET AND IMPROVED FUZZY C-MEANS ALGORITHM. <i>New Mathematics and Natural Computation</i> , 2011, 07, 155-171.	0.7	43
160	Automated breast cancer detection and classification using ultrasound images: A survey. <i>Pattern Recognition</i> , 2010, 43, 299-317.	8.1	583
161	A NEW NEUTROSOPHIC APPROACH TO IMAGE DENOISING. <i>New Mathematics and Natural Computation</i> , 2009, 05, 653-662.	0.7	58
162	A Novel Approach to Speckle Reduction in Ultrasound Imaging. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 628-640.	1.5	54

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163	New neutrosophic approach to image segmentation. Pattern Recognition, 2009, 42, 587-595.	8.1	177
164	A novel Hough transform based on eliminating particle swarm optimization and its applications. Pattern Recognition, 2009, 42, 1959-1969.	8.1	46
165	A NEW NEUTROSOPHIC APPROACH TO IMAGE THRESHOLDING. New Mathematics and Natural Computation, 2008, 04, 291-308.	0.7	88
166	Breast ultrasound image enhancement using fuzzy logic. Ultrasound in Medicine and Biology, 2006, 32, 237-247.	1.5	30