

Sansanee Auephanwiriyaikul

List of Publications by Year in descending order

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91
papers

967
citations

840119

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g-index

95
all docs

95
docs citations

95
times ranked

846
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Programmable Bioreactor with pH Monitoring System for Tissue Engineering Application. Bioengineering, 2022, 9, 187.	1.6	5
2	Three-Dimensional Tooth Model Reconstruction Using Statistical Randomization-Based Particle Swarm Optimization. Applied Sciences (Switzerland), 2021, 11, 2363.	1.3	5
3	Three-Dimensional Point Cloud Registration Using Particle Swarm Optimization. , 2021, , .		2
4	Infectious Disease Relational Data Analysis Using String Grammar Non-Euclidean Relational Fuzzy C-Means. International Journal of Environmental Research and Public Health, 2021, 18, 8153.	1.2	1
5	Hard exudate detection in retinal fundus images using supervised learning. Neural Computing and Applications, 2020, 32, 13079-13096.	3.2	17
6	Special issue on "Green and Human Information Technology 2019" Neural Computing and Applications, 2020, 32, 13077-13078.	3.2	0
7	VAR-GRU: A Hybrid Model for Multivariate Financial Time Series Prediction. Lecture Notes in Computer Science, 2020, , 322-332.	1.0	3
8	A string grammar possibilistic-fuzzy C-medians. Soft Computing, 2019, 23, 7637-7653.	2.1	2
9	Detection of Hard Exudates in Fundus Images Using Convolutional Neural Networks. , 2019, , .		2
10	Image-Based Silkworm Egg Classification and Counting Using Counting Neural Network. , 2019, , .		0
11	A Novel Self Organizing Feature Map for Uncertain Data. , 2019, , .		0
12	Space Independent Image Registration Using Curve-Based Method with Combination of Multiple Deformable Vector Fields. Symmetry, 2019, 11, 1210.	1.1	1
13	Person Identification from Ear Images Using Convolutional Neural Networks. , 2019, , .		7
14	Diagnosis of diabetic retinopathy based on holistic texture and local retinal features. Information Sciences, 2019, 475, 44-66.	4.0	17
15	Decision Fusion Using Fuzzy Dempster-Shafer Theory. Advances in Intelligent Systems and Computing, 2019, , 115-125.	0.5	4
16	Kinematic-based Knee Angle Correction for Gait Analysis Using Single Kinect Sensor. , 2018, , .		0
17	Person Identification from Full-Body Movement Using String Grammar Fuzzy-Possibilistic C-Medians. , 2018, , .		2
18	Smart control plane for information centric network-internet service provider networks. Journal of Central South University, 2018, 25, 2410-2422.	1.2	0

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19	Learning vector quantization inference classifier in breast abnormality classification. Journal of Intelligent and Fuzzy Systems, 2018, 35, 6101-6116.	0.8	1
20	String Grammar Unsupervised Possibilistic Fuzzy C-Medians for Gait Pattern Classification in Patients with Neurodegenerative Diseases. Computational Intelligence and Neuroscience, 2018, 2018, 1-10.	1.1	8
21	A twin-hyperellipsoidal support vector classifier. Journal of Intelligent and Fuzzy Systems, 2018, 35, 6141-6152.	0.8	0
22	Ellipsoidal support vector data description. Neural Computing and Applications, 2017, 28, 337-347.	3.2	5
23	A string grammar fuzzy-possibilistic C-medians. Applied Soft Computing Journal, 2017, 57, 684-695.	4.1	10
24	Microarray data classification using neuro-fuzzy classifier with firefly algorithm. , 2017, , .		17
25	Imaginary hand movement classification using electroencephalography. , 2017, , .		0
26	Human and dog movement recognition using fuzzy inference system with automatically generated membership functions. , 2017, , .		0
27	Fetal electrocardiogram extraction by independent component analysis. , 2017, , .		4
28	A Novel String Grammar Unsupervised Possibilistic C-Medians Algorithm for Sign Language Translation Systems. Symmetry, 2017, 9, 321.	1.1	7
29	Top-N Recommender Systems Using Genetic Algorithm-Based Visual-Clustering Methods. Symmetry, 2016, 8, 54.	1.1	16
30	Vision-based automatic vehicle counting system using motion estimation with Taylor series approximation. , 2016, , .		7
31	Optimizing support vector machine parameters using cuckoo search algorithm via cross validation. , 2016, , .		4
32	Face recognition using string grammar fuzzy K-nearest neighbor. , 2016, , .		11
33	Automatic cardiac T2* relaxation time estimation from magnetic resonance images using region growing method with automatically initialized seed points. Computer Methods and Programs in Biomedicine, 2016, 130, 76-86.	2.6	9
34	Facial Expression Recognition Using String Grammar Fuzzy K-Nearest Neighbor. Lecture Notes in Computer Science, 2016, , 584-596.	1.0	1
35	Multilayer perceptron with Cuckoo search in water level prediction for flood forecasting. , 2016, , .		6
36	Synthetic Aperture Radar (SAR) Automatic Target Recognition (ATR) Using Fuzzy Co-occurrence Matrix Texture Features. Studies in Computational Intelligence, 2016, , 467-489.	0.7	1

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37	New Method of Age Estimation from Maxillary Sutures Closure in a Thai Population. Clinica Terapeutica, 2016, 167, 33-7.	0.2	1
38	Patch-Based Fetal Heart Chamber Segmentation in Ultrasound Sequences Using Possibilistic Clustering. , 2015, , .		8
39	Kinect Joints Correction Using Optical Flow for Weightlifting Videos. , 2015, , .		2
40	Application of support vector based methods for cervical cancer cell classification. , 2015, , .		10
41	Fully automatic cardiac T2* relaxation time estimation using marker-controlled watershed. , 2015, , .		1
42	On Feature Selection and Rule Extraction for High Dimensional Data: A Case of Diffuse Large B-Cell Lymphomas Microarrays Classification. Mathematical Problems in Engineering, 2015, 2015, 1-12.	0.6	4
43	Instance reduction for supervised learning using input-output clustering method. Journal of Central South University, 2015, 22, 4740-4748.	1.2	1
44	A novel string grammar fuzzy C-medians. , 2015, , .		3
45	Fuzzy perceptron with pocket algorithm in postoperative patient data set. , 2014, , .		0
46	Cross-substation short-term load forecasting based on types of customer usage characteristics. , 2014, , .		1
47	Automatic cervical cell segmentation and classification in Pap smears. Computer Methods and Programs in Biomedicine, 2014, 113, 539-556.	2.6	205
48	Dental fluorosis classification using multi-prototypes from fuzzy C-means clustering. , 2014, , .		5
49	Architectural distortion detection from mammograms using support vector machine. , 2014, , .		2
50	Applying memetic algorithm-based clustering to recommender system with high sparsity problem. Journal of Central South University, 2014, 21, 3541-3550.	1.2	11
51	Fall detection algorithm using linear prediction model. , 2013, , .		2
52	Thai sign language translation using Scale Invariant Feature Transform and Hidden Markov Models. Pattern Recognition Letters, 2013, 34, 1291-1298.	2.6	19
53	Multi-prototype fuzzy clustering with fuzzy K-nearest neighbor for off-line human action recognition. , 2013, , .		4
54	A Novel Fuzzy Co-occurrence Matrix for Texture Feature Extraction. Lecture Notes in Computer Science, 2013, , 246-257.	1.0	7

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55	Linear Prediction-Based Reconstruction of Electrocardiogram with Premature Ventricular Contraction for Heart Rate Variability Analysis. Lecture Notes in Electrical Engineering, 2013, , 273-281.	0.3	0
56	Automatic segmentation and degree identification in burn color images. , 2012, , .		32
57	Fully automatic brain segmentation for Alzheimer's disease detection from magnetic resonance images. , 2012, , .		3
58	Thai sign language translation system using upright speed-up robust feature and dynamic time warping. , 2012, , .		4
59	Thai sign language translation system using upright speed-up robust feature and c-means clustering. , 2012, , .		5
60	Electrocardiogram reconstruction using support vector regression. , 2012, , .		7
61	Visual clustering method using genetic algorithm and image manipulation. , 2011, , .		0
62	Boundary Detection in Medical Images Using Edge Following Algorithm Based on Intensity Gradient and Texture Gradient Features. IEEE Transactions on Biomedical Engineering, 2011, 58, 567-573.	2.5	69
63	Automatic Nevirapine concentration interpretation system using support vector regression. Computer Methods and Programs in Biomedicine, 2011, 101, 271-281.	2.6	3
64	Bone Age Assessment in Young Children Using Automatic Carpal Bone Feature Extraction and Support Vector Regression. Journal of Digital Imaging, 2011, 24, 1044-1058.	1.6	49
65	Phoneme and tonal accent recognition for Thai speech. Expert Systems With Applications, 2011, 38, 13254-13259.	4.4	17
66	Navigation system of mobile robot in an uncertain environment using type-2 fuzzy modelling. , 2011, , .		8
67	Eye-gaze distance estimation based on gray-level intensity of image patch. , 2011, , .		2
68	Moisture Content Prediction of Dried Longan Aril from Dielectric Constant Using Multilayer Perceptrons and Support Vector Regression. American Journal of Applied Sciences, 2010, 7, 1387-1392.	0.1	4
69	Incorporating SIFT with Hard C-Means algorithm. , 2010, , .		2
70	A novel neuro-fuzzy method for linguistic feature selection and rule-based classification. , 2010, , .		26
71	Automatic detection of electricity pylons in aerial video sequences. , 2010, , .		12
72	Microcalcification detection in mammograms using interval type-2 fuzzy logic system with automatic membership function generation. , 2010, , .		11

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73	Colon Tumor Microarray Classification Using Neural Network with Feature Selection and Rule-Based Classification. Lecture Notes in Electrical Engineering, 2010, , 363-372.	0.3	13
74	A comparison of NN-based and SVR-based power prediction for mobile DS/CDMA systems. , 2009, , .		2
75	Runoff forecasting using fuzzy support vector regression. , 2009, , .		6
76	Centralized control system in interdomain routing environments. , 2009, , .		0
77	Cervical Cell Classification using Fourier Transform. IFMBE Proceedings, 2009, , 476-480.	0.2	9
78	Interpretation of nevirapine concentration from immunochromatographic strip test using support vector regression. , 2008, , .		14
79	Data reconstruction for missing electrocardiogram using linear predictive coding. , 2008, , .		3
80	Left ventricular segmentation of cardiac magnetic resonance images using a novel edge following technique. , 2008, , .		4
81	Rice yield prediction using a Support Vector Regression method. , 2008, , .		13
82	River basin flood prediction using support vector machines. , 2008, , .		6
83	Power prediction in reverse link for mobile DS/CDMA systems using support vector regression. , 2008, , .		1
84	Thai Sign Language Translation Using Fuzzy C-Means and Scale Invariant Feature Transform. Lecture Notes in Computer Science, 2008, , 1107-1119.	1.0	11
85	Thai Phoneme Soft Segmentation and Recognition Using Hidden Markov Models. , 2007, , .		1
86	Microcalcification Detection in Mammograms Using Interval Type-2 Fuzzy Logic System. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	5
87	An Investigation of a Linguistic Perceptron in a Nonlinear Decision Boundary Problem. , 2006, , .		2
88	Analysis and efficient implementation of a linguistic fuzzy c-means. IEEE Transactions on Fuzzy Systems, 2002, 10, 563-582.	6.5	39
89	Generalized Choquet fuzzy integral fusion. Information Fusion, 2002, 3, 69-85.	11.7	104
90	Experiments in predictive sensor fusion. , 2001, 4394, 1047.		6

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91	New fuzzy set tools to aid in predictive sensor fusion. , 2000, 4038, 1497.		9