Yo-Ping Huang

List of Publications by Year
in descending order

105 papers	1,070 citations	516215 16 h-index	525886 27 g-index
105 all docs	105 docs citations	105 times ranked	823 citing authors

#	ARTICLE	IF	CITATIONS
1	An LSTM-based aggregated model for air pollution forecasting. Atmospheric Pollution Research, 2020, 11, 1451-1463.	1.8	170
2	The hybrid grey-based models for temperature prediction. IEEE Transactions on Systems, Man, and Cybernetics, 1997, 27, 284-292.	5.5	62
3	An ensemble learning based hybrid model and framework for air pollution forecasting. Environmental Science and Pollution Research, 2020, 27, 38155-38168.	2.7	46
4	Bird Image Retrieval and Recognition Using a Deep Learning Platform. IEEE Access, 2019, 7, 66980-66989.	2.6	42
5	Efficient mining of salinity and temperature association rules from ARGO data. Expert Systems With Applications, 2008, 35, 59-68.	4.4	38
6	Structure From Motion Technique for Scene Detection Using Autonomous Drone Navigation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2559-2570.	5.9	30
7	Intuitive IoT-based H2U healthcare system for elderly people. , 2016, , .		29
8	RFID-Based Guide Gives Museum Visitors More Freedom. IT Professional, 2011, 13, 25-29.	1.4	28
9	Using Fuzzy Mask R-CNN Model to Automatically Identify Tomato Ripeness. IEEE Access, 2020, 8, 207672-207682.	2.6	28
10	Relationship Between Predictors of Incident Deliberate Self-Harm and Suicide Attempts Among Adolescents. Journal of Adolescent Health, 2017, 60, 612-618.	1.2	25
11	Deep Learning Models for Automated Diagnosis of Retinopathy of Prematurity in Preterm Infants. Electronics (Switzerland), 2020, 9, 1444.	1.8	23
12	A new hybrid time series forecasting model based on the neutrosophic set and quantum optimization algorithm. Computers in Industry, 2019, 111, 121-139.	5.7	22
13	A Hybrid Fuzzy Clustering Approach for the Recognition and Visualization of MRI Images of Parkinson's Disease. IEEE Access, 2020, 8, 25041-25051.	2.6	22
14	Hybrid intelligent methods for arrhythmia detection and geriatric depression diagnosis. Applied Soft Computing Journal, 2014, 14, 38-46.	4.1	21
15	A High-Order Neutrosophic-Neuro-Gradient Descent Algorithm-Based Expert System for Time Series Forecasting. International Journal of Fuzzy Systems, 2019, 21, 2245-2257.	2.3	19
16	Recognition of Endemic Bird Species Using Deep Learning Models. IEEE Access, 2021, 9, 102975-102984.	2.6	19
17	An Intuitionistic Fuzzy Set Approach for Multi-attribute Information Classification and Decision-Making. International Journal of Fuzzy Systems, 2020, 22, 1506-1520.	2.3	19
18	Correlation of impulsivity with self-harm and suicidal attempt: a community study of adolescents in Taiwan. BMJ Open, 2017, 7, e017949.	0.8	18

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19	Monitoring and Assessment of Rehabilitation Progress on Range of Motion After Total Knee Replacement by Sensor-Based System. Sensors, 2020, 20, 1703.	2.1	18
20	Validity of a Novel Touch Screen Tablet-Based Assessment for Mild Cognitive Impairment and Probable AD in Older Adults. Assessment, 2019, 26, 1540-1553.	1.9	17
21	Automated detection of early-stage ROP using a deep convolutional neural network. British Journal of Ophthalmology, 2021, 105, 1099-1103.	2.1	17
22	Cultural factors influencing Eastern and Western engineering students' choice of university. European Journal of Engineering Education, 2010, 35, 147-160.	1.5	16
23	An intelligent approach to discovering common symptoms among depressed patients. Soft Computing, 2015, 19, 819-827.	2.1	15
24	Assistive design for elderly living ambient using voice and gesture recognition system. , 2017, , .		15
25	A four-way decision-making approach using interval-valued fuzzy sets, rough set and granular computing: a new approach in data classification and decision-making. Granular Computing, 2020, 5, 397-409.	4.4	15
26	Using C-support vector classification to forecast dengue fever epidemics in Taiwan. , 2016, , .		14
27	Translating the viewing position in single equirectangular panoramic images. , 2016, , .		13
28	Developing Transformed Fuzzy Neural Networks to Enhance Medical Data Classification Accuracy. International Journal of Fuzzy Systems, 2018, 20, 1925-1937.	2.3	13
29	A Novel Ambiguous Set Theory to Represent Uncertainty and its Application to Brain MR Image Segmentation. , 2019, , .		13
30	A Type-2 Fuzzy Clustering and Quantum Optimization Approach for Crops Image Segmentation. International Journal of Fuzzy Systems, 2021, 23, 615-629.	2.3	13
31	Toward harmonious East–West educational partnerships: a study of cultural differences between Taiwanese and Norwegian engineering students. Asia Pacific Education Review, 2010, 11, 585-595.	1.4	12
32	Health Symptom Checking System for Elderly People Using Fuzzy Analytic Hierarchy Process. Applied System Innovation, 2018, 1, 10.	2.7	12
33	Mining Influential Users in Social Network. , 2015, , .		10
34	Efficient entropy-based features selection for image retrieval. , 2009, , .		9
35	A Fuzzy Approach to Determining Critical Factors of Diabetic Retinopathy and Enhancing Data Classification Accuracy. International Journal of Fuzzy Systems, 2019, 21, 1844-1857.	2.3	9
36	Wavelet K-Means Clustering and Fuzzy-Based Method for Segmenting MRI Images Depicting Parkinson's Disease. International Journal of Fuzzy Systems, 2021, 23, 1600-1612.	2.3	9

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37	EFFICIENT SHAPE-BASED IMAGE RETRIEVAL BASED ON GRAY RELATIONAL ANALYSIS AND ASSOCIATION RULES. International Journal of Pattern Recognition and Artificial Intelligence, 2008, 22, 711-732.	0.7	8
38	A repeating pattern based Query-by-Humming fuzzy system for polyphonic melody retrieval. Applied Soft Computing Journal, 2015, 33, 197-206.	4.1	7
39	SVM-based Decision Tree for medical knowledge representation. , 2016, , .		7
40	Using Fuzzy Systems to Infer Memory Impairment from MRI. International Journal of Fuzzy Systems, 2018, 20, 913-927.	2.3	7
41	The Psychometric Properties in the Chinese Version of the Reasons for Living Inventory and the Relationship with Suicidal Behaviors Among Psychiatric Patients in Taiwan. Behavioral Medicine, 2019, 45, 197-209.	1.0	7
42	Functional dyspepsia in depression: A population€based cohort study. European Journal of Clinical Investigation, 2021, 51, e13506.	1.7	7
43	Dynamic fuzzy reasoning model with fuzzy cognitive map in Chinese chess. , 0, , .		6
44	Identifying a fuzzy model by using the bipartite membership functions. Fuzzy Sets and Systems, 2001, 118, 199-214.	1.6	6
45	Identifying the fuzzy grey prediction model by genetic algorithms. , 0, , .		5
46	Associating absent frequent itemsets with infrequent items to identify abnormal transactions. Applied Intelligence, 2015, 42, 694-706.	3.3	5
47	A two-stage intelligent model to extract features from PPG for drowsiness detection. , 2016, , .		5
48	Using voice and gesture to control living space for the elderly people. , 2017, , .		5
49	A Fuzzy-Entropy and Image Fusion Based Multiple Thresholding Method for the Brain Tumor Segmentation. , 2020, , .		5
50	Association Analysis of Ocean Salinity and Temperature Variations. , 2008, , .		4
51	QR Code Data Type Encoding for Ubiquitous Information Transfer Across Different Platforms. , 2009, , .		4
52	Association rules based algorithm for identifying outlier transactions in data stream. , 2012, , .		4
53	Early detection of driver drowsiness by WPT and FLFNN models. , 2016, , .		4
54	A Dolphin Herding Inspired Fuzzy Data Clustering Model and Its Applications. International Journal of Fuzzy Systems, 2016, 18, 299-311.	2.3	4

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55	The effectiveness of Culturally Sensitive Collaborative Treatment of depressed Chinese in family medicine clinics: A randomized controlled trial. General Hospital Psychiatry, 2018, 50, 96-103.	1.2	4
56	An ontology oriented region-based image retrieval strategy. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	3
57	Identifying insightful salinity and temperature variations in ocean data. , 2008, , .		3
58	Water Quality Monitoring with Ubiquitous Computing. , 2010, , .		3
59	A fuzzy approach to assess the indication of dementia based on magnetic reasoning imaging. , 2013, , .		3
60	Social network influential users' sentiment degree measurement based on fuzzy logic. , 2016, , .		3
61	Clinical information and guidance shared via a patient infotainment system can reduce hospital stay and maintain 2 medical quality for total knee arthroplasty: A single-blinded quasi-randomised controlled trial. International Journal of Nursing Studies, 2020, 104, 103440.	2.5	3
62	Evaluating Power Rehabilitation Actions Using a Fuzzy Inference Method. International Journal of Fuzzy Systems, 2021, 23, 1919-1933.	2.3	3
63	Imbalance Modelling for Defect Detection in Ceramic Substrate by Using Convolutional Neural Network. Processes, 2021, 9, 1678.	1.3	3
64	A genetic-based fuzzy grey prediction model. , 0, , .		2
65	Fuzzy talent selection with multicriteria and multilevel decision making. , 0, , .		2
66	A FAST TWO-STAGE CONTENT-BASED IMAGE RETRIEVAL APPROACH IN THE DCT DOMAIN. International Journal of Pattern Recognition and Artificial Intelligence, 2008, 22, 765-781.	0.7	2
67	Discovering fuzzy association rules from patient's daily text messages to diagnose melancholia. , 2010, , .		2
68	Discovering association rules from responded questionnaire for diagnosing geriatric depression. , 2012, , .		2
69	Smart phone-based fuzzy modeling to examine facial skin quality. , 2013, , .		2
70	Ejecting Outliers to Enhance Robustness of Fuzzy Cluster Ensemble. , 2013, , .		2
71	Using Type-2 Fuzzy Models to Detect Fall Incidents and Abnormal Gaits among Elderly. , 2013, , .		2
72	A Computer Supported Memory Aid for Copying Prescription Parameters into Medical Equipment Based on Linguistic Phrases. , 2013, , .		2

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73	Mining time-dependent influential users in Facebook fans group. , 2016, , .		2
74	Temperament traits in suicidal and non-suicidal mood disorder patients in Taiwan. Psychiatry Research, 2017, 253, 260-266.	1.7	2
75	An Effective Social Network Sentiment Mining Model for Healthcare Product Sales Analysis. , 2018, , .		2
76	Using Sentiment Analysis to Determine Users' Likes on Twitter. , 2018, , .		2
77	Computer-Aided Detection of Retinopathy of Prematurity Severity in Preterm Infants via Measurement of Temporal Vessel Width and Angle. Frontiers in Pediatrics, 2022, 10, 792724.	0.9	2
78	Guard heuristic by dynamic fuzzy reasoning model for Chinese chess. , 0, , .		1
79	Genetic algorithms in the identification of fuzzy compensation system. , 0, , .		1
80	Modeling a fuzzy system by the integrated virtual and genetic algorithms. , 0, , .		1
81	Discriminating important ocean salinity and temperature patterns in argo data. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	1
82	An efficient strategy to detect outlier transactions for knowledge mining. , 2011, , .		1
83	A fuzzy approach to discriminating heartbeat types and detecting arrhythmia. , 2012, , .		1
84	A Project-Based Curriculum for Teaching C++ Object-Oriented Programming. , 2012, , .		1
85	Design and implementation of cognitive examination systems on tablet PC. , 2013, , .		1
86	Embedding graceful deception system in visual navigation for elderly health care. , 2013, , .		1
87	An intelligent approach to identify elderly body information. , 2014, , .		1
88	Mining implict outlier purchasing behaviors from fan group marketing data. , 2014, , .		1
89	Extracting interesting patterns from e-commerce databases to ensure customer loyalty. , 2015, , .		1
90	Automatic Generation of Laser Cutting Paths in Defective TFT-LCD Panel Images by Using Neutrosophic Canny Segmentation. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-16.	2.4	1

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91	Improving the back propagation learning speed with adaptive neuro-fuzzy technique. , 0, , .		0
92	Content-based image retrieval using grid-based indexing and grey relational analysis. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	0
93	Extracting spatial semantics in association rules for ocean image retrieval. , 2009, , .		0
94	Fuzzy environment mapping for robot navigation based on grid computing. , 2010, , .		0
95	A fuzzy ART2 model for finding association rules in medical data. , 2010, , .		0
96	Systematic design of environmental monitoring interface by Bayesian classification. , 2011, , .		0
97	Discovering Abiotic Interactions between Bird Habitat and Water Quality through Ubiquitous Computing. , 2011, , .		0
98	Ubiquitous Computing and Evaluation of Water Quality by Grey Relational Analysis. , 2012, , .		0
99	Query-by-Humming/Singing of MIDI and Audio Files by Fuzzy Inference System. , 2012, , .		0
100	An intelligent model to find associations among juvenile bangs, vision and scoliosis. , 2014, , .		0
101	Evaluating dementia risk from MRI by fuzzy inference model. , 2014, , .		0
102	A fuzzy approach to evaluating the risk of dementia by analyzing the cortical thickness from MRI. , 2014, , .		0
103	Measuring Digit Ratio with Smart Phone to Unveil Health Conditions and Behavior. , 2015, , .		0
104	A Method for High Resolution Satellite Image Compression using Type-1 and Type-2 Fuzzy Sets. , 2019, , .		0
105	Deep Learning and Image Processing Techniques for Recognizing Liquid-Crystal Display Array Residue and the Automatic Planning of Laser-Cutting Segments. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	2.4	0