Miin-Shen Yang

List of Publications by Year
in descending order

162	7,896	57758 44	53230 85
papers	citations	h-index	g-index

165	165	165	4136
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Weighted Multiview Possibilistic C-Means Clustering With L2 Regularization. IEEE Transactions on Fuzzy Systems, 2022, 30, 1357-1370.	9.8	13
2	Aczel-Alsina Aggregation Operators on T-Spherical Fuzzy (TSF) Information With Application to TSF Multi-Attribute Decision Making. IEEE Access, 2022, 10, 26011-26023.	4.2	67
3	Similarity Measures Based on T-Spherical Fuzzy Information with Applications to Pattern Recognition and Decision Making. Symmetry, 2022, 14, 410.	2.2	22
4	Security Risks to Petroleum Industry: An Innovative Modeling Technique Based on Novel Concepts of Complex Bipolar Fuzzy Information. Mathematics, 2022, 10, 1067.	2.2	2
5	A New Approach for Normal Parameter Reduction Using Ïf-Algebraic Soft Sets and Its Application in Multi-Attribute Decision Making. Mathematics, 2022, 10, 1297.	2.2	3
6	Novel Aczelâ€"Alsina Operators for Pythagorean Fuzzy Sets with Application in Multi-Attribute Decision Making. Symmetry, 2022, 14, 940.	2.2	52
7	Gaussian-kernel c-means clustering algorithms. Soft Computing, 2021, 25, 1699-1716.	3.6	7
8	Feature-Weighted Possibilistic c-Means Clustering With a Feature-Reduction Framework. IEEE Transactions on Fuzzy Systems, 2021, 29, 1093-1106.	9.8	10
9	Trigonometric Similarity Measures for Neutrosophic Hypersoft Sets With Application to Renewable Energy Source Selection. IEEE Access, 2021, 9, 129178-129187.	4.2	21
10	Entropy K-Means Clustering With Feature Reduction Under Unknown Number of Clusters. IEEE Access, 2021, 9, 67736-67751.	4.2	23
11	Complex T-Spherical Fuzzy Relations With Their Applications in Economic Relationships and International Trades. IEEE Access, 2021, 9, 66115-66131.	4.2	30
12	Subtractive Clustering for Categorical Data with a Novel Separation Difference Validity Index. Advances in Intelligent Systems and Computing, 2021, , 1695-1703.	0.6	0
13	Complex q-Rung Orthopair Uncertain Linguistic Partitioned Bonferroni Mean Operators with Application in Antivirus Mask Selection. Symmetry, 2021, 13, 249.	2.2	14
14	Three-Way Decisions Based on Q-Rung Orthopair Fuzzy 2-Tuple Linguistic Sets with Generalized Maclaurin Symmetric Mean Operators. Mathematics, 2021, 9, 1387.	2.2	15
15	Star-based learning correlation clustering. Pattern Recognition, 2021, 116, 107966.	8.1	3
16	Collaborative feature-weighted multi-view fuzzy c-means clustering. Pattern Recognition, 2021, 119, 108064.	8.1	33
17	Distance and Similarity Measures for Neutrosophic HyperSoft Set (NHSS) With Construction of NHSS-TOPSIS and Applications. IEEE Access, 2021, 9, 30803-30816.	4.2	20
18	Fast clustering for signed graphs based on random walk gap. Social Networks, 2020, 60, 113-128.	2.1	9

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19	TOPSIS Method Based on Complex Spherical Fuzzy Sets with Bonferroni Mean Operators. Mathematics, 2020, 8, 1739.	2.2	114
20	A Novel MCDM Method Based on Plithogenic Hypersoft Sets under Fuzzy Neutrosophic Environment. Symmetry, 2020, 12, 1855.	2.2	9
21	Complex T-Spherical Fuzzy Aggregation Operators with Application to Multi-Attribute Decision Making. Symmetry, 2020, 12, 1311.	2.2	95
22	Belief and Plausibility Measures on Intuitionistic Fuzzy Sets with Construction of Belief-Plausibility TOPSIS. Complexity, 2020, 2020, 1-12.	1.6	16
23	Unsupervised K-Means Clustering Algorithm. IEEE Access, 2020, 8, 80716-80727.	4.2	720
24	Fuzzy Gaussian Lasso clustering with application to cancer data. Mathematical Biosciences and Engineering, 2020, 17, 250-265.	1.9	5
25	Distance and similarity measures of hesitant fuzzy sets based on Hausdorff metric with applications to multi-criteria decision making and clustering. Soft Computing, 2019, 23, 5835-5848.	3.6	31
26	Distance and similarity measures of Pythagorean fuzzy sets based on the Hausdorff metric with application to fuzzy TOPSIS. International Journal of Intelligent Systems, 2019, 34, 2633-2654.	5.7	87
27	Feature-Weighted Fuzzy K-Modes Clustering. , 2019, , .		1
28	A Feature-Reduction Multi-View k-Means Clustering Algorithm. IEEE Access, 2019, 7, 114472-114486.	4.2	80
29	Possiblistic C-Means Clustering on Directional Data. , 2019, , .		7
30	Unsupervised fuzzy model-based Gaussian clustering. Information Sciences, 2019, 481, 1-23.	6.9	31
31	Powered Gaussian kernel spectral clustering. Neural Computing and Applications, 2019, 31, 557-572.	5.6	31
32	New similarity measures of intuitionistic fuzzy sets based on the Jaccard index with its application to clustering. International Journal of Intelligent Systems, 2018, 33, 1672-1688.	5.7	78
33	On convergence and parameter selection of the EM and DA-EM algorithms for Gaussian mixtures. Pattern Recognition, 2018, 77, 188-203.	8.1	31
34	A Feature-Reduction Fuzzy Clustering Algorithm Based on Feature-Weighted Entropy. IEEE Transactions on Fuzzy Systems, 2018, 26, 817-835.	9.8	127
35	Fuzzy Generalization and Comparisons for the Rand Index. International Journal of Intelligent Systems, 2018, 33, 901-927.	5.7	2
36	Fuzzy Entropy for Pythagorean Fuzzy Sets with Application to Multicriterion Decision Making. Complexity, 2018, 2018, 1-14.	1.6	55

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37	A Fully-Unsupervised Possibilistic C-Means Clustering Algorithm. IEEE Access, 2018, 6, 78308-78320.	4.2	25
38	Modified Relational Mountain Clustering Method. Lecture Notes in Computer Science, 2018, , 690-701.	1.3	2
39	Entropy for Hesitant Fuzzy Sets Based on Hausdorff Metric with Construction of Hesitant Fuzzy TOPSIS. International Journal of Fuzzy Systems, 2018, 20, 2517-2533.	4.0	38
40	Gaussian-kernel c-means Clustering Algorithms. Lecture Notes in Computer Science, 2018, , 124-135.	1.3	0
41	Evaluation measures for cluster ensembles based on a fuzzy generalized Rand index. Applied Soft Computing Journal, 2017, 57, 225-234.	7.2	14
42	Robust-learning fuzzy c-means clustering algorithm with unknown number of clusters. Pattern Recognition, 2017, 71, 45-59.	8.1	110
43	Learning-based EM clustering for data on the unit hypersphere with application to exoplanet data. Applied Soft Computing Journal, 2017, 60, 101-114.	7.2	4
44	Deterministic annealing Gustafson-Kessel fuzzy clustering algorithm. Information Sciences, 2017, 417, 435-453.	6.9	24
45	Spectral Clustering for Cell Formation with Minimum Dissimilarities Distance. Lecture Notes in Computer Science, 2017, , 126-136.	1.3	0
46	Belief and Plausibility Functions on Intuitionistic Fuzzy Sets. International Journal of Intelligent Systems, 2016, 31, 556-568.	5.7	6
47	A Generalization of Rand and Jaccard Indices with Its Fuzzy Extension. International Journal of Fuzzy Systems, 2016, 18, 1008-1018.	4.0	5
48	Change-point detection for shifts in control charts using fuzzy shift change-point algorithms. Computers and Industrial Engineering, 2016, 93, 12-27.	6.3	25
49	Stepwise possibilistic c-regressions. Information Sciences, 2016, 334-335, 307-322.	6.9	5
50	An unsupervised clustering algorithm for data on the unit hypersphere. Applied Soft Computing Journal, 2016, 42, 290-313.	7.2	11
51	Correlative Density-Based Clustering. Journal of Computational and Theoretical Nanoscience, 2016, 13, 6935-6943.	0.4	1
52	An intuitive clustering algorithm for spherical data with application to extrasolar planets. Journal of Applied Statistics, 2015, 42, 2220-2232.	1.3	4
53	Cluster Analysis Based on T-transitive Interval-Valued Fuzzy Relations. International Journal of Intelligent Systems, 2015, 30, 1083-1100.	5.7	1
54	Analysis of Parameter Selection for Gustafson–Kessel Fuzzy Clustering Using Jacobian Matrix. IEEE Transactions on Fuzzy Systems, 2015, 23, 2329-2342.	9.8	25

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55	Fuzzy Change-Point Algorithms for Regression Models. IEEE Transactions on Fuzzy Systems, 2015, 23, 2343-2357.	9.8	30
56	Bias-correction fuzzy clustering algorithms. Information Sciences, 2015, 309, 138-162.	6.9	43
57	Clustering Methods Based on Weighted Quasi-Arithmetic Means of T-Transitive Fuzzy Relations. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2015, 23, 715-733.	1.9	2
58	Bias-Correction Fuzzy C-Regressions Algorithm. Lecture Notes in Computer Science, 2015, , 283-293.	1.3	1
59	New Similarity Measures Between Generalized Trapezoidal Fuzzy Numbers Using the Jaccard Index. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2014, 22, 831-844.	1.9	13
60	SCM-driven Tree View for Microarray Data. Lecture Notes in Computer Science, 2014, , 207-215.	1.3	0
61	Clustering construction on a multimodal probability model. Information Sciences, 2013, 237, 211-220.	6.9	0
62	A ROBUST FUZZY CLASSIFICATION MAXIMUM LIKELIHOOD CLUSTERING FRAMEWORK. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2013, 21, 755-776.	1.9	4
63	ON SIMILARITY, INCLUSION MEASURE AND ENTROPY BETWEEN TYPE-2 FUZZY SETS. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2012, 20, 433-449.	1.9	12
64	A robust clustering algorithm for interval data. , 2012, , .		0
65	Self-updating clustering algorithm for estimating the parameters in mixtures of von Mises distributions. Journal of Applied Statistics, 2012, 39, 2259-2274.	1.3	17
66	T-Transitive Interval-Valued Fuzzy Relations for Clustering. , 2012, , .		1
67	Self-organizing map for symbolic data. Fuzzy Sets and Systems, 2012, 203, 49-73.	2.7	19
68	On mean shift-based clustering for circular data. Soft Computing, 2012, 16, 1043-1060.	3.6	21
69	A similarity measure of intuitionistic fuzzy sets based on the Sugeno integral with its application to pattern recognition. Information Sciences, 2012, 189, 93-109.	6.9	125
70	A robust EM clustering algorithm for Gaussian mixture models. Pattern Recognition, 2012, 45, 3950-3961.	8.1	212
71	A Robust Kernel-Based Fuzzy C-Means Algorithm by Incorporating Suppressed and Magnified Membership for MRI Image Segmentation. Lecture Notes in Computer Science, 2012, , 744-754.	1.3	4
72	Feature-Weighted Mountain Method with Its Application to Color Image Segmentation. International Journal of Computational Intelligence Systems, 2011, 4, 1002-1011.	2.7	0

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73	A Robust Automatic Merging Possibilistic Clustering Method. IEEE Transactions on Fuzzy Systems, 2011, 19, 26-41.	9.8	68
74	On the generalized fuzzy-valued measures. , 2011, , .		0
75	Suppressed fuzzy-soft learning vector quantization for MRI segmentation. Artificial Intelligence in Medicine, 2011, 52, 33-43.	6.5	19
76	Sample-weighted clustering methods. Computers and Mathematics With Applications, 2011, 62, 2200-2208.	2.7	16
77	Entropy-type classification maximum likelihood algorithms for mixture models. Soft Computing, 2011, 15, 373-381.	3.6	2
78	Cell formation using fuzzy relational clustering algorithm. Mathematical and Computer Modelling, 2011, 53, 1776-1787.	2.0	22
79	On fuzzy renewal processes for fuzzy random variables and extended theorems. International Journal of Intelligent Systems, 2011, 26, 115-128.	5.7	5
80	Similarity, inclusion and entropy measures between type-2 fuzzy sets based on the Sugeno integral. Mathematical and Computer Modelling, 2011, 53, 1788-1797.	2.0	41
81	Exponential-Distance Weighted K-Means Algorithm with Spatial Constraints for Color Image Segmentation. , 2011, , .		3
82	New similarity and inclusion measures between type-2 fuzzy sets. , 2011, , .		3
83	Mountain c-regressions method. Pattern Recognition, 2010, 43, 86-98.	8.1	11
84	On tree types of competitive learning algorithms with their comparisons and applications to MRI segmentation. International Journal of Intelligent Systems, 2010, 25, n/a-n/a.	5.7	2
85	A robust clustering procedure for fuzzy data. Computers and Mathematics With Applications, 2010, 60, 151-165.	2.7	11
86	Mean shift-based clustering for directional data. , 2010, , .		3
87	A batch version of the SOM for symbolic data. , 2010, , .		2
88	A similarity-based clustering algorithm for fuzzy data. , 2010, , .		0
89	Feature-Weighted Mountain Method with Its Application to Color Image Segmentation. Lecture Notes in Computer Science, 2010, , 537-544.	1.3	1
90	Block fuzzy k-modes clustering algorithm. , 2009, , .		6

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91	On parameter estimation of control chart patterns using RBF neural network. , 2009, , .		0
92	Interval-valued fuzzy relation-based clustering with its application to performance evaluation. Computers and Mathematics With Applications, 2009, 57, 841-849.	2.7	16
93	On similarity and inclusion measures between type-2 fuzzy sets with an application to clustering. Computers and Mathematics With Applications, 2009, 57, 896-907.	2.7	88
94	Robust cluster validity indexes. Pattern Recognition, 2009, 42, 2541-2550.	8.1	39
95	A new clustering approach using data envelopment analysis. European Journal of Operational Research, 2009, 199, 276-284.	5.7	75
96	Segmentation in MRI of ophthalmology using a robust-type clustering algorithm. , 2009, , .		0
97	A Novel Multimodal Probability Model for Cluster Analysis. Lecture Notes in Computer Science, 2009, , 397-404.	1.3	3
98	Alpha-Cut Implemented Fuzzy Clustering Algorithms and Switching Regressions. IEEE Transactions on Systems, Man, and Cybernetics, 2009, , .	5.0	0
99	On similarity measures between intuitionistic fuzzy sets. International Journal of Intelligent Systems, 2008, 23, 364-383.	5.7	102
100	Machine-part cell formation in group technology using a modified ART1 method. European Journal of Operational Research, 2008, 188, 140-152.	5.7	71
101	Establishing performance evaluation structures by fuzzy relation-based cluster analysis. Computers and Mathematics With Applications, 2008, 56, 572-582.	2.7	20
102	On the J-divergence of intuitionistic fuzzy sets with its application to pattern recognition. Information Sciences, 2008, 178, 1641-1650.	6.9	161
103	Bootstrapping approach to feature-weight selection in fuzzy c-means algorithms with an application in color image segmentation. Pattern Recognition Letters, 2008, 29, 1317-1325.	4.2	47
104	A Gaussian kernel-based fuzzy c-means algorithm with a spatial bias correction. Pattern Recognition Letters, 2008, 29, 1713-1725.	4.2	148
105	A fuzzy k-partitions model for categorical data and its comparison to the GoM model. Fuzzy Sets and Systems, 2008, 159, 390-405.	2.7	19
106	Alpha-Cut Implemented Fuzzy Clustering Algorithms and Switching Regressions. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 588-603.	5.0	56
107	Variation approaches to feature-weight selection and application to fuzzy clustering. , 2008, , .		2
108	ON ENTROPY OF FUZZY SETS. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2008, 16, 519-527.	1.9	36

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109	Means Algorithm. , 2007, , .		1
110	A Similarity Measure between Type-2 Fuzzy Sets with Its Application to Clustering. , 2007, , .		10
111	A Generalized Fuzzy Clustering Regularization Model With Optimality Tests and Model Complexity Analysis. IEEE Transactions on Fuzzy Systems, 2007, 15, 904-915.	9.8	53
112	Mountain C-Regressions in Comparing Fuzzy C-Regressions. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	0
113	Generalization of belief and plausibility functions to fuzzy sets based on the sugeno integral. International Journal of Intelligent Systems, 2007, 22, 1215-1228.	5.7	18
114	Similarity measures of intuitionistic fuzzy sets based on Lp metric. International Journal of Approximate Reasoning, 2007, 46, 120-136.	3.3	190
115	Mean shift-based clustering. Pattern Recognition, 2007, 40, 3035-3052.	8.1	115
116	Magnetic resonance imaging segmentation techniques using batch-type learning vector quantization algorithms. Magnetic Resonance Imaging, 2007, 25, 265-277.	1.8	18
117	Data analysis on the extrasolar planets using robust clustering. Monthly Notices of the Royal Astronomical Society, 2006, 370, 1379-1392.	4.4	25
118	An omission approach for detecting outliers in fuzzy regression models. Fuzzy Sets and Systems, 2006, 157, 3109-3122.	2.7	55
119	Mixed-variable fuzzy clustering approach to part family and machine cell formation for GT applications. International Journal of Production Economics, 2006, 103, 185-198.	8.9	39
120	Unsupervised possibilistic clustering. Pattern Recognition, 2006, 39, 5-21.	8.1	165
121	Alternative learning vector quantization. Pattern Recognition, 2006, 39, 351-362.	8.1	18
122	Parameter selection for suppressed fuzzy c-means with an application to MRI segmentation. Pattern Recognition Letters, 2006, 27, 424-438.	4.2	65
123	Fuzzy entropy on intuitionistic fuzzy sets. International Journal of Intelligent Systems, 2006, 21, 443-451.	5.7	226
124	A cluster validity index for fuzzy clustering. Pattern Recognition Letters, 2005, 26, 1275-1291.	4.2	360
125	A control chart pattern recognition system using a statistical correlation coefficient method. Computers and Industrial Engineering, 2005, 48, 205-221.	6.3	94
126	Estimation of parameters in latent class models using fuzzy clustering algorithms. European Journal of Operational Research, 2005, 160, 515-531.	5.7	10

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127	On a similarity measure between LR-type fuzzy numbers and its application to database acquisition. International Journal of Intelligent Systems, 2005, 20, 1001-1016.	5.7	35
128	Fuzzy clustering on LR-type fuzzy numbers with an application in Taiwanese tea evaluation. Fuzzy Sets and Systems, 2005, 150, 561-577.	2.7	64
129	A novel fuzzy clustering algorithm based on a fuzzy scatter matrix with optimality tests. Pattern Recognition Letters, 2005, 26, 639-652.	4.2	63
130	Mixture Poisson regression models for heterogeneous count data based on latent and fuzzy class analysis. Soft Computing, 2005, 9, 519-524.	3.6	4
131	A modified mountain clustering algorithm. Pattern Analysis and Applications, 2005, 8, 125-138.	4.6	34
132	An Alternative Fuzzy Compactness and Separation Clustering Algorithm. Lecture Notes in Computer Science, 2005, , 146-153.	1.3	0
133	Optimality test for generalized FCM and its application to parameter selection. IEEE Transactions on Fuzzy Systems, 2005, 13, 164-176.	9.8	109
134	SIMILARITY MEASURES BETWEEN TYPE-2 FUZZY SETS. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2004, 12, 827-841.	1.9	71
135	FUZZY CLASS LOGISTIC REGRESSION ANALYSIS. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2004, 12, 761-780.	1.9	4
136	Fuzzy clustering algorithms for mixed feature variables. Fuzzy Sets and Systems, 2004, 141, 301-317.	2.7	99
137	Similarity measures of intuitionistic fuzzy sets based on Hausdorff distance. Pattern Recognition Letters, 2004, 25, 1603-1611.	4.2	499
138	A similarity-based robust clustering method. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 434-448.	13.9	182
139	A fuzzy-soft learning vector quantization. Neurocomputing, 2003, 55, 681-697.	5.9	30
140	Generalized belief function, plausibility function, and Dempster's combinational rule to fuzzy sets. International Journal of Intelligent Systems, 2003, 18, 925-937.	5.7	27
141	Fuzzy least-squares algorithms for interactive fuzzy linear regression models. Fuzzy Sets and Systems, 2003, 135, 305-316.	2.7	39
142	Generalized Kohonen's competitive learning algorithms for ophthalmological MR image segmentation. Magnetic Resonance Imaging, 2003, 21, 863-870.	1.8	24
143	A fuzzy-soft learning vector quantization for control chart pattern recognition. International Journal of Production Research, 2002, 40, 2721-2731.	7.5	39
144	Segmentation techniques for tissue differentiation in MRI of Ophthalmology using fuzzy clustering algorithms. Magnetic Resonance Imaging, 2002, 20, 173-179.	1.8	146

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145	Fuzzy least-squares linear regression analysis for fuzzy input–output data. Fuzzy Sets and Systems, 2002, 126, 389-399.	2.7	98
146	Alternative c-means clustering algorithms. Pattern Recognition, 2002, 35, 2267-2278.	8.1	452
147	Cluster analysis based on fuzzy relations. Fuzzy Sets and Systems, 2001, 120, 197-212.	2.7	98
148	Fuzzy clustering procedures for conical fuzzy vector data. Fuzzy Sets and Systems, 1999, 106, 189-200.	2.7	44
149	On possibility analysis of fuzzy data. Fuzzy Sets and Systems, 1998, 94, 171-183.	2.7	6
150	On the edited fuzzy K-nearest neighbor rule. IEEE Transactions on Systems, Man, and Cybernetics, 1998, 28, 461-466.	5.0	25
151	On cluster-wise fuzzy regression analysis. IEEE Transactions on Systems, Man, and Cybernetics, 1997, 27, 1-13.	5.0	62
152	On fuzzy clustering of directional data. Fuzzy Sets and Systems, 1997, 91, 319-326.	2.7	28
153	On a class of fuzzy c-numbers clustering procedures for fuzzy data. Fuzzy Sets and Systems, 1996, 84, 49-60.	2.7	191
154	On parameter estimation for normal mixtures based on fuzzy clustering algorithms. Fuzzy Sets and Systems, 1994, 68, 13-28.	2.7	30
155	On strong consistency of the fuzzy generalized nearest neighbor rule. Fuzzy Sets and Systems, 1993, 60, 273-281.	2.7	13
156	On a class of fuzzy classification maximum likelihood procedures. Fuzzy Sets and Systems, 1993, 57, 365-375.	2.7	105
157	ON EXISTENCE AND STRONG CONSISTENCY OF A CLASS OF FUZZYC-MEANS CLUSTERING PROCEDURES. Cybernetics and Systems, 1992, 23, 583-602.	2.5	11
158	ON STOCHASTIC CONVERGENCE THEOREMS FOR THE FUZZYC-MEANS CLUSTERING PROCEDUREâˆ—. International Journal of General Systems, 1990, 16, 397-411.	2.5	12
159	A new validity index for fuzzy clustering. , 0, , .		9
160	A possibilistic type of alternative fuzzy c-means. , 0, , .		3
161	A novel fuzzy clustering algorithm. , 0, , .		10
162	A Learning-Based EM Clustering for Circular Data with Unknown Number of Clusters. Proceedings of Engineering and Technology Innovation, 0, 15, 42-51.	0.0	1