Shyi-Ming Chen

List of Publications by Year in Descending Order

335 papers	15,777 citations	76 h-index	116 g-index
371 ext. papers	18,046 ext. citations	5.6 avg, IF	7.64 L-index

#	Paper	IF	Citations
335	Group decision making based on q-rung orthopair fuzzy weighted averaging aggregation operator of q-rung orthopair fuzzy numbers. *Information Sciences*, **2022**, 598, 1-18	7.7	1
334	Multiattribute decision making based on nonlinear programming methodology and novel score function of interval-valued intuitionistic fuzzy values. *Information Sciences*, **2022**,	7.7	2
333	Optimization-based group decision making using interval-valued intuitionistic fuzzy preference relations. *Information Sciences*, **2021**, 561, 352-370	7.7	8
332	Multicriteria Decision Making With Incomplete Weights Based on 2-D Uncertain Linguistic Choquet Integral Operators. *IEEE Transactions on Cybernetics*, **2021**, 51, 1860-1874	10.2	5
331	Multiattribute decision making using probability density functions and transformed decision matrices in interval-valued intuitionistic fuzzy environments. *Information Sciences*, **2021**, 543, 410-425	7.7	10
330	Multiattribute decision making based on interval-valued intuitionistic fuzzy values, score function of connection numbers, and the set pair analysis theory. *Information Sciences*, **2021**, 551, 100-112	7.7	22
329	Multiattribute decision making based on converted decision matrices, probability density functions, and interval-valued intuitionistic fuzzy values. *Information Sciences*, **2021**, 554, 313-324	7.7	5
328	Fuzzy best-worst method based on triangular fuzzy numbers for multi-criteria decision-making. *Information Sciences*, **2021**, 547, 1080-1104	7.7	44
327	Multiattribute decision making based on the improved intuitionistic fuzzy Einstein weighted averaging operator of intuitionistic fuzzy values. *Information Sciences*, **2021**, 568, 369-383	7.7	12
326	Group decision making based on multiplicative consistency-and-consensus preference analysis for incomplete q-rung orthopair fuzzy preference relations. *Information Sciences*, **2021**, 574, 653-673	7.7	5
325	Multiattribute decision making based on new score function of interval-valued intuitionistic fuzzy values and normalized score matrices. *Information Sciences*, **2021**, 575, 714-731	7.7	3
324	Multiattribute decision making using novel score function of interval-valued intuitionistic fuzzy values and the means and the variances of score matrices. *Information Sciences*, **2021**, 577, 748-768	7.7	2
323	Multiple attribute decision making using Beta distribution of intervals, expected values of intervals, and new score function of interval-valued intuitionistic fuzzy values. *Information Sciences*, **2021**, 579, 863-887	7.7	2
322	Multiple attribute decision making using improved intuitionistic fuzzy weighted geometric operators of intuitionistic fuzzy values. *Information Sciences*, **2020**, 535, 242-253	7.7	28
321	Multiattribute decision making based on U-quadratic distribution of intervals and the transformed matrix in interval-valued intuitionistic fuzzy environments. *Information Sciences*, **2020**, 537, 30-45	7.7	18
320	Group decision making with heterogeneous intuitionistic fuzzy preference relations. *Information Sciences*, **2020**, 523, 197-219	7.7	18
319	Heuristic creation of deep rule ensemble through iterative expansion of feature space. *Information Sciences*, **2020**, 520, 195-208	7.7	1

318	Group decision making based on acceptable consistency analysis of interval linguistic hesitant fuzzy preference relations. *Information Sciences*, **2020**, 530, 66-84	7.7	16
317	Group decision making with incomplete intuitionistic multiplicative preference relations. *Information Sciences*, **2020**, 516, 560-571	7.7	25
316	Multiattribute group decision making based on neutrality aggregation operators of q-rung orthopair fuzzy sets. *Information Sciences*, **2020**, 517, 427-447	7.7	102
315	Multiattribute group decision making based on intuitionistic fuzzy partitioned Maclaurin symmetric mean operators. *Information Sciences*, **2020**, 512, 830-854	7.7	61
314	Interval-valued intuitionistic fuzzy multiple attribute decision making based on nonlinear programming methodology and TOPSIS method. *Information Sciences*, **2020**, 506, 424-442	7.7	75
313	Group decision making based on multiplicative consistency and consensus of fuzzy linguistic preference relations. *Information Sciences*, **2020**, 509, 71-86	7.7	24
312	A consistency and consensus-based method for group decision making with hesitant fuzzy linguistic preference relations. *Information Sciences*, **2019**, 501, 317-336	7.7	28
311	Group decision making with multiplicative interval linguistic hesitant fuzzy preference relations. *Information Sciences*, **2019**, 495, 215-233	7.7	13
310	Fuzzy time series forecasting based on proportions of intervals and particle swarm optimization techniques. *Information Sciences*, **2019**, 500, 127-139	7.7	30
309	Multi-stage mixed rule learning approach for advancing performance of rule-based classification. *Information Sciences*, **2019**, 495, 65-77	7.7	2
308	Adaptive weighted fuzzy rule interpolation based on ranking values and similarity measures of rough-fuzzy sets. *Information Sciences*, **2019**, 488, 93-110	7.7	6
307	Multiattribute decision making based on novel score function of intuitionistic fuzzy values and modified VIKOR method. *Information Sciences*, **2019**, 488, 76-92	7.7	131
306	Multiattribute decision making based on probability density functions and the variances and standard deviations of largest ranges of evaluating interval-valued intuitionistic fuzzy values. *Information Sciences*, **2019**, 490, 329-343	7.7	21
305	Adaptive fuzzy interpolative reasoning based on similarity measures of polygonal fuzzy sets and novel move and transformation techniques. *Information Sciences*, **2019**, 489, 303-315	7.7	3
304	Multiple-Attribute Group Decision-Making Based on q-Rung Orthopair Fuzzy Power Maclaurin Symmetric Mean Operators. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 1-16	7.3	84
303	Fuzzy forecasting based on linear combinations of independent variables, subtractive clustering algorithm and artificial bee colony algorithm. *Information Sciences*, **2019**, 484, 350-366	7.7	21
302	Multiattribute decision making based on nonlinear programming methodology, particle swarm optimization techniques and interval-valued intuitionistic fuzzy values. *Information Sciences*, **2019**, 471, 252-268	7.7	24
301	Subclass-based semi-random data partitioning for improving sample representativeness. *Information Sciences*, **2019**, 478, 208-221	7.7	1

300	Adaptive weighted fuzzy interpolative reasoning based on representative values and similarity measures of interval type-2 fuzzy sets. *Information Sciences*, **2019**, 478, 167-185	7.7	14
299	Heuristic target class selection for advancing performance of coverage-based rule learning. *Information Sciences*, **2019**, 479, 164-179	7.7	5
298	Multiattribute decision making based on non-linear programming methodology with hyperbolic function and interval-valued intuitionistic fuzzy values. *Information Sciences*, **2018**, 453, 379-388	7.7	19
297	A new multiple attribute decision making method based on linear programming methodology and novel score function and novel accuracy function of interval-valued intuitionistic fuzzy values. *Information Sciences*, **2018**, 438, 145-155	7.7	36
296	Weighted fuzzy interpolated reasoning based on ranking values of polygonal fuzzy sets and new scale and move transformation techniques. *Information Sciences*, **2018**, 435, 184-202	7.7	16
295	Adaptive fuzzy interpolation based on ranking values of interval type-2 polygonal fuzzy sets. *Information Sciences*, **2018**, 435, 320-333	7.7	9
294	Some intuitionistic fuzzy Dombi Bonferroni mean operators and their application to multi-attribute group decision making. *Journal of the Operational Research Society*, **2018**, 69, 1-24	2	177
293	An improved MADM method using interval-valued intuitionistic fuzzy values. *Information Sciences*, **2018**, 467, 489-505	7.7	23
292	The g-rung orthopair fuzzy power maclaurin symmetric mean operators **2018**,		11
291	Multiattribute group decision making based on intuitionistic 2-tuple linguistic information. *Information Sciences*, **2018**, 430-431, 599-619	7.7	115
290	A new multiattribute decision making method based on multiplication operations of interval-valued intuitionistic fuzzy values and linear programming methodology. *Information Sciences*, **2018**, 429, 421-432	7.7	41
289	Multi-Level Fusion of Classifiers Through Fuzzy Ensemble Learning **2018**,		5
288	Multiattribute decision making based on Shannon's information entropy, non-linear programming methodology, and interval-valued intuitionistic fuzzy values. *Information Sciences*, **2018**, 465, 404-424	7.7	21
287	Multiple attribute decision making based on interval-valued intuitionistic fuzzy sets, linear programming methodology, and the extended TOPSIS method. *Information Sciences*, **2017**, 397-398, 155-167	7.7	92
286	Multiattribute decision making based on interval-valued intuitionistic fuzzy values and particle swarm optimization techniques. *Information Sciences*, **2017**, 397-398, 206-218	7.7	26
285	Multiple attribute group decision making based on intuitionistic fuzzy interaction partitioned Bonferroni mean operators. *Information Sciences*, **2017**, 411, 98-121	7.7	163
284	Multiattribute decision making based on interval-valued intuitionistic fuzzy values and linear programming methodology. *Information Sciences*, **2017**, 381, 341-351	7.7	49
283	An improved multiattribute decision making method based on new score function of interval-valued intuitionistic fuzzy values and linear programming methodology. *Information Sciences*, **2017**, 411, 176-184	7.7	37

282	Adaptive fuzzy interpolation based on general representative values of polygonal fuzzy sets and the shift and modification techniques. *Information Sciences*, **2017**, 414, 147-157	7.7	8
281	Autocratic decision making using group recommendations based on interval type-2 fuzzy sets, enhanced KarnikMendel algorithms, and the ordered weighted aggregation operator. *Information Sciences*, **2017**, 412-413, 174-193	7.7	22
280	Fuzzy time series forecasting based on optimal partitions of intervals and optimal weighting vectors. *Knowledge-Based Systems*, **2017**, 118, 204-216	7.3	55
279	Group Decision Making Based on Heronian Aggregation Operators of Intuitionistic Fuzzy Numbers. *IEEE Transactions on Cybernetics*, **2017**, 47, 2514-2530	10.2	184
278	A new multiple attribute decision making method based on interval-valued intuitionistic fuzzy sets, linear programming methodology, and the TOPSIS method **2017**,		2
277	A novel multiattribute decision making method based on interval-valued intuitionistic fuzzy values and particle swarm optimization techniques **2017**,		2
276	Fuzzy forecasting based on two-factors second-order fuzzy-trend logical relationship groups, similarity measures and PSO techniques. *Information Sciences*, **2017**, 391-392, 65-79	7.7	42
275	Fuzzy time series forecasting based on fuzzy logical relationships and similarity measures. *Information Sciences*, **2016**, 327, 272-287	7.7	137
274	Fuzzy multiattribute group decision making based on intuitionistic fuzzy sets and evidential reasoning methodology. *Information Fusion*, **2016**, 27, 215-227	16.7	140
273	Multiple attribute group decision making based on interval-valued intuitionistic fuzzy aggregation operators and transformation techniques of interval-valued intuitionistic fuzzy values. *Information Sciences*, **2016**, 367-368, 418-442	7.7	48
272	Multicriteria decision making based on the TOPSIS method and similarity measures between intuitionistic fuzzy values. *Information Sciences*, **2016**, 367-368, 279-295	7.7	125
271	Autocratic decision making using group recommendations based on ranking interval type-2 fuzzy sets. *Information Sciences*, **2016**, 361-362, 135-161	7.7	26
270	A novel multiple attribute decision making method based on interval-valued intuitionistic fuzzy geometric averaging operators **2016**,		3
269	Adaptive fuzzy interpolation based on ranking values of polygonal fuzzy sets and similarity measures between polygonal fuzzy sets. *Information Sciences*, **2016**, 342, 176-190	7.7	17
268	Fuzzy multiattribute decision making based on transformation techniques of intuitionistic fuzzy values and intuitionistic fuzzy geometric averaging operators. *Information Sciences*, **2016**, 352-353, 133-149	7.7	110
267	A novel similarity measure between intuitionistic fuzzy sets based on the centroid points of transformed fuzzy numbers with applications to pattern recognition. *Information Sciences*, **2016**, 343-344, 15-40	7.7	121
266	Weighted fuzzy interpolative reasoning for sparse fuzzy rule-based systems based on piecewise fuzzy entropies of fuzzy sets. *Information Sciences*, **2016**, 329, 503-523	7.7	22
265	Fuzzy queries processing based on intuitionistic fuzzy social relational networks. *Information Sciences*, **2016**, 327, 110-124	7.7	16

264	Multiple attribute decision making based on novel interval-valued intuitionistic fuzzy geometric averaging operators. *Information Sciences*, **2016**, 367-368, 1045-1065	7.7	27
263	Heronian aggregation operators of intuitionistic fuzzy numbers based on the Archimedean t-norm and t-conorm **2016**,		9
262	A new multicriteria decision making method based on the topsis method and similarity measures between intuitionistic fuzzy sets **2016**,		4
261	Fuzzy interpolative reasoning based on the ratio of fuzziness of rough-fuzzy sets. *Information Sciences*, **2015**, 299, 394-411	7.7	17
260	Group decision making systems using group recommendations based on interval fuzzy preference relations and consistency matrices. *Information Sciences*, **2015**, 298, 555-567	7.7	54
259	Autocratic Decision Making Using Group Recommendations Based on Intervals of Linguistic Terms and Likelihood-Based Comparison Relations. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2015**, 45, 250-259	7.3	15
258	Multiattribute Decision Making Based on Interval-Valued Intuitionistic Fuzzy Sets, PSO Techniques, and Evidential Reasoning Methodology. *IEEE Transactions on Fuzzy Systems*, **2015**, 23, 1905-1916	8.3	82
257	Fuzzy interpolative reasoning based on ranking values of polygonal fuzzy sets and automatically generated weights of fuzzy rules. *Information Sciences*, **2015**, 325, 521-540	7.7	11
256	Fuzzy decision making based on likelihood-based comparison relations of hesitant fuzzy linguistic term sets and hesitant fuzzy linguistic operators. *Information Sciences*, **2015**, 294, 513-529	7.7	123
255	Weighted Fuzzy Interpolative Reasoning Based on the Slopes of Fuzzy Sets and Particle Swarm Optimization Techniques. *IEEE Transactions on Cybernetics*, **2015**, 45, 1250-61	10.2	24
254	Autocratic decision making using group recommendations based on the OWA operator and correlation coefficients. *Information Sciences*, **2015**, 290, 106-119	7.7	16
253	A novel similarity measure between Atanassov intuitionistic fuzzy sets based on transformation techniques with applications to pattern recognition. *Information Sciences*, **2015**, 291, 96-114	7.7	162
252	Fuzzy forecasting based on two-factors second-order fuzzy-trend logical relationship groups and the probabilities of trends of fuzzy logical relationships. *IEEE Transactions on Cybernetics*, **2015**, 45, 405-17	10.2	86
251	A Novel Fuzzy Time Series Forecasting Method Based on Fuzzy Logical Relationships and Similarity Measures **2015**,		6
250	Fuzzy decision making and fuzzy group decision making based on likelihood-based comparison relations of hesitant fuzzy linguistic term sets1. *Journal of Intelligent and Fuzzy Systems*, **2015**, 29, 1119-1137	1.6	32
249	JSOD: JavaScript obfuscation detector. *Security and Communication Networks*, **2015**, 8, 1092-1107	1.9	10
248	A new method for multiple attribute decision making based on intuitionistic fuzzy geometric averaging operators **2015**,		2
247	A new method for fuzzy multiattribute group decision making based on intuitionistic fuzzy sets and the evidential reasoning methodology **2015**,		2

246	A New Fuzzy Interpolative Reasoning Method Based on the Ratio of Fuzziness of Rough-Fuzzy Sets. *Lecture Notes in Computer Science*, **2015**, 551-561	0.9	1
245	Automatically generating the weather news summary based on fuzzy reasoning and ontology techniques. *Information Sciences*, **2014**, 279, 746-763	7.7	7
244	Multicriteria linguistic decision making based on hesitant fuzzy linguistic term sets and the aggregation of fuzzy sets. *Information Sciences*, **2014**, 286, 63-74	7.7	142
243	Group decision making using incomplete fuzzy preference relations based on the additive consistency and the order consistency. *Information Sciences*, **2014**, 259, 1-15	7.7	110
242	A new similarity measure between intuitionistic fuzzy sets based on transformation techniques **2014**,		2
241	Fuzzy Multiple Attributes Group Decision-Making Based on Ranking Interval Type-2 Fuzzy Sets and the TOPSIS Method. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2014**, 44, 1665-1673	7.3	82
240	A new group decision making method based on likelihood-based comparison relations of hesitant fuzzy linguistic term sets **2014**,		1
239	A new method for forecasting the taiex based on two-factors second-order fuzzy-trend logical relationship groups and the probabilities of trends of fuzzy logical relationships **2014**,		1
238	A new method for multiattribute decision making based on interval-valued intuitionistic fuzzy sets, PSO techniques and evidential reasoning methodology **2014**,		5
237	A new fuzzy multiple criteria decision making method based on likelihood-based comparison relations of hesitant fuzzy linguistic term sets and a-cuts of fuzzy sets **2014**,		2
236	A New Method for Autocratic Decision Making Using Group Recommendations Based on Intervals of Linguistic Terms and Likelihood-Based Comparison Relations. *Lecture Notes in Computer Science*, **2014**, 273-281	0.9	2
235	A New Method for Group Decision Making Using Group Recommendations Based on Interval Fuzzy Preference Relations and Consistency Matrices. *Lecture Notes in Computer Science*, **2014**, 311-320	0.9	1
234	Fuzzy forecasting based on two-factors second-order fuzzy-trend logical relationship groups and particle swarm optimization techniques. *IEEE Transactions on Cybernetics*, **2013**, 43, 1102-17	10.2	106
233	Forecasting the TAIEX Based on Fuzzy Time Series, PSO Techniques and Support Vector Machines. *Lecture Notes in Computer Science*, **2013**, 89-98	0.9	3
232	TAIEX forecasting based on fuzzy time series, particle swarm optimization techniques and support vector machines. *Information Sciences*, **2013**, 247, 62-71	7.7	132
231	Weighted fuzzy interpolative reasoning systems based on interval type-2 fuzzy sets. *Information Sciences*, **2013**, 248, 15-30	7.7	23
230	A novel reduction approach for Petri net systems based on matching theory. *Expert Systems With Applications*, **2013**, 40, 4562-4576	7.8	5
229	Fuzzy Rules Interpolation for Sparse Fuzzy Rule-Based Systems Based on Interval Type-2 Gaussian Fuzzy Sets and Genetic Algorithms. *IEEE Transactions on Fuzzy Systems*, **2013**, 21, 412-425	8.3	94

228	Evaluating students answerscripts based on interval-valued intuitionistic fuzzy sets. *Information Sciences*, **2013**, 235, 308-322	7.7	29
227	Constructing concept maps for adaptive learning systems based on data mining techniques. *Expert Systems With Applications*, **2013**, 40, 2746-2755	7.8	17
226	Fuzzy decision making systems based on interval type-2 fuzzy sets. *Information Sciences*, **2013**, 242, 1-21	7.7	109
225	Fuzzy Decision Making Based on Hesitant Fuzzy Linguistic Term Sets. *Lecture Notes in Computer Science*, **2013**, 21-30	0.9	13
224	A NOVEL SIMILARITY MEASURE BETWEEN INTUITIONISTIC FUZZY SETS AND ITS APPLICATIONS. *International Journal of Pattern Recognition and Artificial Intelligence*, **2013**, 27, 1350021	1.1	27
223	A new method for multicriteria linguistic decision making based on hesitant fuzzy linguistic term sets **2013**,		3
222	A RECOMMENDATION SYSTEM FOR ANTI-DIABETIC DRUGS SELECTION BASED ON FUZZY REASONING AND ONTOLOGY TECHNIQUES. *International Journal of Pattern Recognition and Artificial Intelligence*, **2013**, 27, 1359001	1.1	5
221	MULTIPLE FUZZY RULES INTERPOLATION WITH WEIGHTED ANTECEDENT VARIABLES IN SPARSE FUZZY RULE-BASED SYSTEMS. *International Journal of Pattern Recognition and Artificial Intelligence*, **2013**, 27, 1359002	1.1	11
220	A new method for group decision making using incomplete fuzzy preference relations based on the additive consistency and the order consistency **2013**,		1
219	A new method for autocratic decision making using group recommendations **2013**,		2
218	A New Method for Generating the Chinese News Summary Based on Fuzzy Reasoning and Domain Ontology. *Lecture Notes in Computer Science*, **2013**, 70-78	0.9	1
217	TAIEX Forecasting Based on Fuzzy Time Series and Technical Indices Analysis of the Stock Market. *Lecture Notes in Computer Science*, **2013**, 470-479	0.9	
216	A recommendation system based on domain ontology and SWRL for anti-diabetic drugs selection. *Expert Systems With Applications*, **2012**, 39, 3995-4006	7.8	91
215	Fuzzy multiple attributes group decision-making based on ranking interval type-2 fuzzy sets. *Expert Systems With Applications*, **2012**, 39, 5295-5308	7.8	132
214	Enhanced parallel cat swarm optimization based on the Taguchi method. *Expert Systems With Applications*, **2012**, 39, 6309-6319	7.8	110
213	Fuzzy risk analysis based on ranking generalized fuzzy numbers with different left heights and right heights. *Expert Systems With Applications*, **2012**, 39, 6320-6334	7.8	98
212	Multiattribute decision making based on interval-valued intuitionistic fuzzy values. *Expert Systems With Applications*, **2012**, 39, 10343-10351	7.8	92
211	Autocratic Decision Making Using Group Recommendations Based on the ILLOWA Operator and Likelihood-Based Comparison Relations. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2012**, 42, 115-129		38

210	RedJsod: A Readable JavaScript Obfuscation Detector Using Semantic-based Analysis **2012**,		3
209	Fuzzy interpolative reasoning for sparse fuzzy rule-based systems based on the slopes of fuzzy sets. *Expert Systems With Applications*, **2012**, 39, 11961-11969	7.8	10
208	Multicriteria fuzzy decision making based on interval-valued intuitionistic fuzzy sets. *Expert Systems With Applications*, **2012**, 39, 12085-12091	7.8	97
207	Adaptive consensus support model for group decision making systems. *Expert Systems With Applications*, **2012**, 39, 12580-12588	7.8	43
206	TAIEX Forecasting Using Fuzzy Time Series and Automatically Generated Weights of Multiple Factors. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2012**, 42, 1485-1495		111
205	A new method for evaluating students' answerscripts based on interval-valued intuitionistic fuzzy sets **2012**,		2
204	A new method for weighted fuzzy interpolative reasoning based on PSO-based weights-learning techniques **2012**,		1
203	Using Fuzzy Reasoning Techniques and the Domain Ontology for Anti-Diabetic Drugs Recommendation. *Lecture Notes in Computer Science*, **2012**, 125-135	0.9	4
202	TAIEX Forecasting Based on Fuzzy Time Series and Fuzzy Variation Groups. *IEEE Transactions on Fuzzy Systems*, **2011**, 19, 1-12	8.3	152
201	A new method for fuzzy decision making based on ranking generalized fuzzy numbers and interval type-2 fuzzy sets **2011**,		1
200	Kernel Self-optimized Locality Preserving Discriminant Analysis for feature extraction and recognition. *Neurocomputing*, **2011**, 74, 3019-3027	5.4	21
199	Solving the traveling salesman problem based on the genetic simulated annealing ant colony system with particle swarm optimization techniques. *Expert Systems With Applications*, **2011**, 38, 14439-14450	7.8	170
198	Fuzzy forecasting based on high-order fuzzy logical relationships and automatic clustering techniques. *Expert Systems With Applications*, **2011**, 38, 15425-15437	7.8	119
197	Handling forecasting problems based on high-order fuzzy logical relationships. *Expert Systems With Applications*, **2011**, 38, 3857-3864	7.8	91
196	Fuzzy multiple attributes group decision-making based on fuzzy preference relations. *Expert Systems With Applications*, **2011**, 38, 3865-3872	7.8	62
195	Weighted fuzzy interpolative reasoning for sparse fuzzy rule-based systems. *Expert Systems With Applications*, **2011**, 38, 9564-9572	7.8	15
194	Analyzing fuzzy risk based on a new fuzzy ranking method between generalized fuzzy numbers. *Expert Systems With Applications*, **2011**, 38, 2163-2171	7.8	89
193	Measure of similarity between interval-valued fuzzy numbers for fuzzy recommendation process based on quadratic-mean operator. *Expert Systems With Applications*, **2011**, 38, 2386-2394	7.8	19

192	Parallelized genetic ant colony systems for solving the traveling salesman problem. *Expert Systems With Applications*, **2011**, 38, 3873-3883	7.8	80
191	Fuzzy multiple attributes group decision-making based on fuzzy induced OWA operators. *Expert Systems With Applications*, **2011**, 38, 4097-4108	7.8	26
190	Evaluating students learning achievement based on fuzzy rules with fuzzy reasoning capability. *Expert Systems With Applications*, **2011**, 38, 4368-4381	7.8	8
189	Fuzzy rule interpolation based on principle membership functions and uncertainty grade functions of interval type-2 fuzzy sets. *Expert Systems With Applications*, **2011**, 38, 11573-11580	7.8	16
188	Fuzzy rule interpolation based on the ratio of fuzziness of interval type-2 fuzzy sets. *Expert Systems With Applications*, **2011**, 38, 12202-12213	7.8	28
187	. *IEEE Transactions on Fuzzy Systems*, **2011**, 19, 729-744	8.3	96
186	A new method for fuzzy risk analysis based on ranking generalized fuzzy numbers with different left heights and right heights **2011**,		1
185	Evaluating students learning achievement based on the eigenvector method. *Expert Systems With Applications*, **2011**, 38, 8240-8250	7.8	2
184	Analyzing fuzzy risk based on similarity measures between interval-valued fuzzy numbers. *Expert Systems With Applications*, **2011**, 38, 8612-8621	7.8	34
183	Fuzzy interpolative reasoning for sparse fuzzy rule-based systems based on interval type-2 fuzzy sets. *Expert Systems With Applications*, **2011**, 38, 9947-9957	7.8	33
182	Multivariate fuzzy forecasting based on fuzzy time series and automatic clustering techniques. *Expert Systems With Applications*, **2011**, 38, 10594-10605	7.8	96
181	Evaluating students learning achievement by automatically generating the importance degrees of attributes of questions. *Expert Systems With Applications*, **2011**, 38, 10614-10623	7.8	1
180	Fuzzy Information Retrieval Based On A New Similarity Measure Of Generalized Fuzzy Numbers. *Intelligent Automation and Soft Computing*, **2011**, 17, 465-476	2.6	5
179	Weights-learning for weighted fuzzy rule interpolation in sparse fuzzy rule-based systems **2011**,		1
178	Similarity measures between intervals of linguistic 2-tuples and the intervals of linguistic 2-tuples weighted average operator **2011**,		2
177	Fuzzy rule interpolation based on interval type-2 Gaussian fuzzy sets and genetic algorithms **2011**,		4
176	A new method for multiattribute decision making using interval-valued intuitionistic fuzzy values **2011**,		4
175	A new method for multicriteria fuzzy decision making based on ranking interval-valued intuitionistic fuzzy values **2011**,		5

174	A new method for fuzzy multiple attributes group decision making based on ranking interval type-2 fuzzy sets **2011**,		4
173	A new method for fuzzy forecasting based on two-factors high-order fuzzy-trend logical relationship groups and particle swarm optimization techniques **2011**,		10
172	A new method for fuzzy group decision-making based on interval linguistic labels **2010**,		4
171	A new method to evaluate students' learning achievement by automatically generating the importance degrees of attributes of questions **2010**,		2
170	A new method for solving the traveling salesman problem based on the genetic simulated annealing ant colony system with particle swarm optimization techniques **2010**,		5
169	Design of a lane detection and departure warning system using functional-link-based neuro-fuzzy networks **2010**,		2
168	A new weighted fuzzy rule interpolation method based on GA-based weights-learning techniques **2010**,		2
167	**2010**,		3
166	Fuzzy Decision-Making Based on Likelihood-Based Comparison Relations. *IEEE Transactions on Fuzzy Systems*, **2010**, 18, 613-628	8.3	44
165	Fuzzy Multiple Criteria Hierarchical Group Decision-Making Based on Interval Type-2 Fuzzy Sets. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2010**, 40, 1120-1128		91
164	Fuzzy forecasting based on fuzzy-trend logical relationship groups. *IEEE Transactions on Systems, Man, and Cybernetics*, **2010**, 40, 1343-58		51
163	A new method for fuzzy rule interpolation based on the ratio of fuzziness of interval type-2 fuzzy sets **2010**,		5
162	Fuzzy Interpolative Reasoning Based on the Footprints of Uncertainty of Interval Type-2 Fuzzy Sets **2010**,		4
161	A new method for weighted fuzzy interpolative reasoning based on weights-learning techniques **2010**,		6
160	A new method to construct concept maps for adaptive learning systems **2010**,		7
159	Applying fuzzy method to vision-based lane detection and departure warning system. *Expert Systems With Applications*, **2010**, 37, 113-126	7.8	66
158	Fuzzy multiple attributes group decision-making based on the ranking values and the arithmetic operations of interval type-2 fuzzy sets. *Expert Systems With Applications*, **2010**, 37, 824-833	7.8	224
157	Multi-variable fuzzy forecasting based on fuzzy clustering and fuzzy rule interpolation techniques. *Information Sciences*, **2010**, 180, 4772-4783	7.7	116

156	Fuzzy multiple attributes group decision-making based on the interval type-2 TOPSIS method. *Expert Systems With Applications*, **2010**, 37, 2790-2798	7.8	366
155	Using data mining techniques to automatically construct concept maps for adaptive learning systems. *Expert Systems With Applications*, **2010**, 37, 4496-4503	7.8	27
154	TAIEX Forecasting Based on Fuzzy Time Series and the Automatically Generated Weights of Defuzzified Forecasted Fuzzy Variations of Multiple-Factors. *Lecture Notes in Computer Science*, **2010**, 441-450	0.9	2
153	A new method for forecasting the TAIEX based on high-order fuzzy logical relationships **2009**,		1
152	Temperature prediction based on fuzzy clustering and fuzzy rules interpolation techniques **2009**,		9
151	A New Method for Fuzzy Group Decision-Making Based on Fuzzy Induced OWA Operators **2009**,		2
150	A new method for analyzing fuzzy risk based on a new fuzzy ranking method between generalized fuzzy numbers **2009**,		3
149	A new method for handling the traveling salesman problem based on parallelized genetic ant colony systems **2009**,		1
148	A new method for fuzzy decision-making based on likelihood-based comparison relations **2009**,		2
147	A new approach for fuzzy risk analysis based on similarity measures of generalized fuzzy numbers. *Expert Systems With Applications*, **2009**, 36, 589-598	7.8	120
146	Estimating null values in relational database systems using automatic clustering and multiple regression techniques. *Expert Systems With Applications*, **2009**, 36, 792-803	7.8	
145	Temperature prediction and TAIFEX forecasting based on automatic clustering techniques and two-factors high-order fuzzy time series. *Expert Systems With Applications*, **2009**, 36, 2143-2154	7.8	105
144	A generalized model for prioritized multicriteria decision making systems. *Expert Systems With Applications*, **2009**, 36, 4773-4783	7.8	30
143	Forecasting enrollments using automatic clustering techniques and fuzzy logical relationships. *Expert Systems With Applications*, **2009**, 36, 11070-11076	7.8	78
142	Fuzzy risk analysis based on interval-valued fuzzy numbers. *Expert Systems With Applications*, **2009**, 36, 2285-2299	7.8	124
141	Fuzzy classification systems based on fuzzy information gain measures. *Expert Systems With Applications*, **2009**, 36, 4517-4522	7.8	13
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