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Some geometric aggregation operators based on intuitionistic fuzzy sets

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1486	Extension of Axiomatic Design Principles for Multicriteria Decision Making Problems in Intuitionistic Fuzzy Environment. <b>2013</b> , 2013, 1-10	6
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1484	INTUITIONISTIC FUZZY PRIORITIZED OPERATORS AND THEIR APPLICATION IN MULTI-CRITERIA GROUP DECISION MAKING. <b>2013</b> , 19, 1-21	40

1483	Trapezoidal intuitionistic fuzzy Bonferroni means and its application in multi-attribute decision making. <b>2013</b> ,	3
1482	Extended VIKOR method based on cross-entropy for interval-valued intuitionistic fuzzy multiple criteria group decision making. <b>2013</b> , 25, 1053-1066	22
1481	On Continuity of Ordered Aggregation Operators. <b>2013</b> , 28, 307-318	2
1480	MANAGING HESITANT INFORMATION IN GDM PROBLEMS UNDER FUZZY AND MULTIPLICATIVE PREFERENCE RELATIONS. <b>2013</b> , 21, 865-897	95
1479	DATA CONSTRUCTION PROCESS AND QUALIFLEX-BASED METHOD FOR MULTIPLE-CRITERIA GROUP DECISION MAKING WITH INTERVAL-VALUED INTUITIONISTIC FUZZY SETS. <b>2013</b> , 12, 425-467	28
1478	Group decision making approach based on interval-valued intuitionistic linguistic geometric aggregation operators. <b>2013</b> , 7, 516	4
1477	Mathematical programming methodology for multiattribute decision making using interval-valued intuitionistic fuzzy sets. <b>2013</b> , 24, 755-763	11
1476	Fuzzy number intuitionistic fuzzy prioritized operators and their application to multiple attribute decision making. <b>2013</b> , 24, 879-888	42
1475	An induced generalised intuitionistic fuzzy Choquet Shapley operator for multi-attribute decision making. <b>2013</b> , 20, 387	4
1474	Induced hesitant interval-valued fuzzy Einstein aggregation operators and their application to multiple attribute decision making. <b>2013</b> , 24, 789-803	92
1473	Evaluation of project and portfolio Management Information Systems with the use of a hybrid IFS-TOPSIS method. <b>2013</b> , 7, 91-105	6
1472	MADM Problems with Correlation Coefficient of Trapezoidal Fuzzy Intuitionistic Fuzzy Sets. <b>2014</b> , 2014, 1-10	8
1471	Some Aggregation Operators Based on Einstein Operations under Interval-Valued Dual Hesitant Fuzzy Setting and Their Application. <b>2014</b> , 2014, 1-21	12
1470	A combination of extended fuzzy AHP and fuzzy GRA for government E-tendering in hybrid fuzzy environment. <b>2014</b> , 2014, 123675	8
1469	Group decision making with density-based aggregation operators under interval-valued intuitionistic fuzzy environments. <b>2014</b> , 27, 1021-1033	13
1468	Efficient Multiple Attribute Group Decision Making Models with Correlation Coefficient of Vague Sets. <b>2014</b> , 5, 27-49	10
1467	INTUITIONISTIC FUZZY DENSITY-BASED AGGREGATION OPERATORS AND THEIR APPLICATIONS TO GROUP DECISION MAKING WITH INTUITIONISTIC PREFERENCE RELATIONS. <b>2014</b> , 22, 145-169	15
1466	Approach to multiple attribute decision making with hesitant triangular fuzzy information and their application to customer credit risk assessment. <b>2014</b> , 26, 2853-2860	1

1465	Some Intuitionist Fuzzy Weighted Geometric Distance Measures and Their Application to Group Decision Making. <b>2014</b> , 22, 699-715	13
1464	On Ranking of Intuitionistic Fuzzy Values Based on Dominance Relations. <b>2014</b> , 22, 315-335	12
1463	Ranking Alternatives Based on Intuitionistic Preference Relation. <b>2014</b> , 13, 1259-1281	3
1462	Some geometric aggregation operators based on log-normally distributed random variables. <b>2014</b> , 7, 1096-1108	3
1461	A multiple criteria hesitant fuzzy decision making with Shapley value-based VIKOR method. <b>2014</b> , 26, 1065-1075	70
1460	Some Generalized Dual Hesitant Fuzzy Geometric Aggregation Operators and Applications. <b>2014</b> , 22, 367-384	22
1459	Satisfaction Degree Based Interactive Decision Making under Hesitant Fuzzy Environment with Incomplete Weights. <b>2014</b> , 22, 553-572	49
1458	DENSITY AGGREGATION OPERATORS BASED ON THE INTUITIONISTIC TRAPEZOIDAL FUZZY NUMBERS FOR MULTIPLE ATTRIBUTE DECISION MAKING. <b>2014</b> , 19, S454-S470	11
1457	An Approach to Multiple Attribute Group Decision Making Based on Intuitionistic Trapezoidal Fuzzy Power Generalized Aggregation Operator. <b>2014</b> , 7, 291-304	57
1456	INTERVAL-VALUED INTUITIONISTIC FUZZY ORDERED PRECISE WEIGHTED AGGREGATION OPERATOR AND ITS APPLICATION IN GROUP DECISION MAKING. <b>2014</b> , 20, 648-672	14
1455	Some Algorithms for Group Decision Making with Intuitionistic Fuzzy Preference Information. <b>2014</b> , 22, 505-529	31
1454	Extended 2-tuple linguistic hybrid aggregation operators and their application to multi-attribute group decision making. <b>2014</b> , 7, 771-784	6
1453	Aggregation Operators on Triangular Intuitionistic Fuzzy Numbers and its Application to Multi-Criteria Decision Making Problems. <b>2014</b> , 39, 189-208	19
1452	Research on Intelligent Decision Method Based on Grey System Theory in the Prediction of Grain Yield in Jilin Province. <b>2014</b> , 519-520, 775-779	
1451	A novel SIR method for multiple attributes group decision making problem under hesitant fuzzy environment. <b>2014</b> , 26, 2119-2130	9
1450	Deriving experts' weights based on consistency maximization in intuitionistic fuzzy group decision making. <b>2014</b> , 27, 221-233	25
1449	Approach to multiple attribute decision making based on the intelligence computing with hesitant triangular fuzzy information and their application. <b>2014</b> , 27, 701-707	6
1448	A Novel Method for Dynamic Multicriteria Decision Making with Hybrid Evaluation Information. <b>2014</b> , 2014, 1-11	2

1447	Properties of interval-valued hesitant fuzzy sets. <b>2014</b> , 27, 143-158	18
1446	Some generalized dependent aggregation operators with 2-dimension linguistic information and their application to group decision making. <b>2014</b> , 27, 1761-1773	16
1445	Approaches to hesitant fuzzy multiple attribute decision making with incomplete weight information. <b>2014</b> , 26, 259-266	16
1444	Hesitant fuzzy Hamacher aggregation operators and their application to multiple attribute decision making. <b>2014</b> , 26, 2689-2699	73
1443	Intuitionistic fuzzy heavy aggregating operators and their application to strategic decision making problems. <b>2014</b> , 26, 3065-3074	3
1442	Model for software quality evaluation with hesitant fuzzy uncertain linguistic information. <b>2014</b> , 26, 2639-2647	51
1441	An approach to intuitionistic fuzzy multiple attribute decision making based on Maclaurin symmetric mean operators. <b>2014</b> , 27, 2177-2190	89
1440	Two Atanassov intuitionistic fuzzy weighted aggregation operators based on a novel weighted method and their application. <b>2014</b> , 26, 1787-1798	5
1439	Models for multiple attribute decision making method in hesitant triangular fuzzy setting. <b>2014</b> , 26, 2167-2174	4
1438	Uncertainty measure of Atanassov's intuitionistic fuzzy ? equivalence information systems. <b>2014</b> , 26, 1799-1811	5
1437	Hesitant fuzzy linguistic aggregation operators and their application to multiple attribute decision making. <b>2014</b> , 27, 49-63	60
1436	GRA model for dynamic hybrid multiple attribute decision making. <b>2014</b> , 27, 1067-1075	6
1435	Hesitant intuitionistic fuzzy linguistic aggregation operators and their applications to multiple attribute decision making. <b>2014</b> , 27, 1187-1201	34
1434	An approach to multiple attribute decision making problems based on hesitant fuzzy set. <b>2014</b> , 27, 2749-2755	11
1433	Automatic procedures for group decision making with intuitionistic fuzzy preference relations. <b>2014</b> , 27, 2341-2353	16
1432	Intuitionistic Fuzzy Soft Rough Set and Its Application in Decision Making. <b>2014</b> , 2014, 1-13	20
1431	Multiple Attribute Decision Making Based on Hesitant Fuzzy Einstein Geometric Aggregation Operators. <b>2014</b> , 2014, 1-14	6
1430	Hesitant triangular fuzzy information aggregation in multiple attribute decision making. <b>2014</b> , 26, 1201-1209	42



1429	GRA method for multiple criteria group decision making with incomplete weight information under hesitant fuzzy setting. <b>2014</b> , 27, 1095-1105	39
1428	Approaches to multiple attribute decision making with hesitant interval-valued fuzzy information under correlative environment. <b>2014</b> , 27, 1057-1065	7
1427	Dual hesitant fuzzy aggregation operators in multiple attribute decision making. <b>2014</b> , 26, 2281-2290	142
1426	Linguistic Intuitionistic Fuzzy Sets and Application in MAGDM. <b>2014</b> , 2014, 1-11	52
1425	Power Geometric Operators of Hesitant Multiplicative Fuzzy Numbers and Their Application to Multiple Attribute Group Decision Making. <b>2014</b> , 2014, 1-16	5
1424	Multi-criteria decision making with intuitionistic fuzzy PROMETHEE. <b>2014</b> , 27, 1703-1717	98
1423	Some results for dual hesitant fuzzy sets. <b>2014</b> , 26, 1657-1668	59
1422	Iterative algorithms for improving consistency of intuitionistic preference relations. <b>2014</b> , 65, 708-722	32
1421	A New Evaluation Method for Single Scheme Based on Incomplete Triangular Fuzzy Numbers Judgment Matrix. <b>2014</b> ,	
1420	A method for priority in intuitionistic fuzzy preference relation. <b>2014</b> ,	1
1419	Multi-terms MADM procedures with GRA and TOPSIS based on IFS and IVIFS. <b>2014</b> , 4, 164-185	5
1418	Decision making with geometric aggregation operators based on intuitionistic fuzzy sets. <b>2014</b> ,	2
1417	Induced Atanassov's interval-valued intuitionistic fuzzy hybrid Choquet integral operators and their application in decision making. <b>2014</b> , 7, 524-542	20
1416	A method for estimating criteria weights from interval-valued intuitionistic fuzzy preference relation. <b>2014</b> ,	
1415	Intuitionistic Fuzzy Analytic Hierarchy Process. <b>2014</b> , 22, 749-761	288
1414	AN APPROACH TO MULTIPLE ATTRIBUTE DECISION MAKING BASED ON THE INDUCED CHOQUET INTEGRAL WITH FUZZY NUMBER INTUITIONISTIC FUZZY INFORMATION. <b>2014</b> , 15, 277-298	40
1413	Correlation for Dual Hesitant Fuzzy Sets and Dual Interval-Valued Hesitant Fuzzy Sets. <b>2014</b> , 29, 184-205	80
1412	Some interval-valued intuitionistic uncertain linguistic hybrid Shapley operators. <b>2014</b> , 25, 452-463	7

1411	Precursor Selection for Sol-Gel Synthesis of Titanium Carbide Nanopowders by a New Intuitionistic Fuzzy Multi-Attribute Group Decision-Making Model. <b>2014</b> , 11, 681-698	10
1410	Fuzzy clustering algorithm with H-operator applied to problems with interval-based data. <b>2014</b> ,	1
1409	IFSDA: An intuitionistic fuzzy set-based data aggregation approach for software maintainability evaluation. <b>2014</b> ,	
1408	Confidence Intuitionistic Fuzzy Hybrid Weighted Operator and its Application in Multi-Criteria Decision Making. <b>2014</b> , 17, 529-538	5
1407	Rule Extraction Based on Interval-Valued Rough Fuzzy Sets. <b>2014</b> , 665, 668-673	
1406	Failure mode and effects analysis using intuitionistic fuzzy hybrid weighted Euclidean distance operator. <b>2014</b> , 45, 2012-2030	94
1405	On type-2 fuzzy sets and their t-norm operations. <b>2014</b> , 255, 58-81	47
1404	An evidential DEMATEL method to identify critical success factors in emergency management. <b>2014</b> , 22, 504-510	95
1403	An Atanassov intuitionistic fuzzy multi-attribute group decision making method based on entropy and similarity measure. <b>2014</b> , 5, 435-444	35
1402	A partial binary tree DEA-DA cyclic classification model for decision makers in complex multi-attribute large-group interval-valued intuitionistic fuzzy decision-making problems. <b>2014</b> , 18, 119-130	114
1401	A complex multi-attribute large-group decision making method based on the interval-valued intuitionistic fuzzy principal component analysis model. <b>2014</b> , 18, 2149-2160	22
1400	Intuitionistic Preference Modeling and Interactive Decision Making. <b>2014</b> ,	17
1399	Intuitionistic Fuzzy Ordered Weighted Cosine Similarity Measure. <b>2014</b> , 23, 879-900	26
1398	A peer IF-TOPSIS based decision support system for packaging machine selection. <b>2014</b> , 41, 2157-2165	48
1397	Intuitionistic fuzzy information aggregation under confidence levels. <b>2014</b> , 19, 147-160	57
1396	A possibility degree method for interval-valued intuitionistic fuzzy multi-attribute group decision making. <b>2014</b> , 80, 237-256	101
1395	Continuous interval-valued intuitionistic fuzzy aggregation operators and their applications to group decision making. <b>2014</b> , 38, 2190-2205	61
1394	A new MCDM method combining QFD with TOPSIS for knowledge management system selection from the user's perspective in intuitionistic fuzzy environment. <b>2014</b> , 21, 28-37	98

1393	The structures of intuitionistic fuzzy equivalence relations. <b>2014</b> , 278, 883-899	6
1392	A complete ranking of incomplete interval information. <b>2014</b> , 41, 1947-1954	20
1391	Aggregation and decision making using intuitionistic multiplicative triangular fuzzy information. <b>2014</b> , 23, 20-38	12
1390	Ranking the sustainability performance of pavements: An intuitionistic fuzzy decision making method. <b>2014</b> , 40, 33-43	74
1389	Interval-Valued Induced Averaging Aggregation Operator and Its Application in Group Decision Making with Intuitionistic Fuzzy Information. <b>2014</b> ,	2
1388	Extension of TOPSIS to Multiple Criteria Decision Making with Pythagorean Fuzzy Sets. <b>2014</b> , 29, 1061-1078	813
1387	INTUITIONISTIC FUZZY EINSTEIN CHOQUET INTEGRAL OPERATORS FOR MULTIPLE ATTRIBUTE DECISION MAKING. <b>2014</b> , 20, 227-253	36
1386	Intuitionistic Fuzzy Hybrid Weighted Aggregation Operators. <b>2014</b> , 29, 971-993	53
1385	A new outranking choice method for group decision making under Atanassov's interval-valued intuitionistic fuzzy environment. <b>2014</b> , 70, 177-188	51
1384	Multi-Criteria Decision Making Methods Based on Interval-Valued Intuitionistic Fuzzy Sets. <b>2014</b> , 22, 469-488	14
1383	Direct clustering analysis based on intuitionistic fuzzy implication. <b>2014</b> , 23, 1-8	33
1382	Construction of interval-valued fuzzy preference relations from ignorance functions and fuzzy preference relations. Application to decision making. <b>2014</b> , 58, 33-44	79
1381	Induced continuous Choquet integral operators and their application to group decision making. <b>2014</b> , 68, 42-53	24
1380	A complex multi-attribute large-group PLS decision-making method in the interval-valued intuitionistic fuzzy environment. <b>2014</b> , 38, 4512-4527	43
1379	Hesitant triangular fuzzy information aggregation based on Einstein operations and their application to multiple attribute decision making. <b>2014</b> , 41, 1086-1094	132
1378	Generalized intuitionistic fuzzy geometric interaction operators and their application to decision making. <b>2014</b> , 41, 2484-2495	62
1377	Intuitionistic fuzzy geometric interaction averaging operators and their application to multi-criteria decision making. <b>2014</b> , 259, 142-159	150
1376	Identifying Citation Classics in Fuzzy Decision Making Field Using the Concept of H-Classics. <b>2014</b> , 31, 567-576	8

1375	Aggregating information and ranking alternatives in decision making with intuitionistic multiplicative preference relations. <b>2014</b> , 22, 162-177	28
1374	A biparametric similarity measure on intuitionistic fuzzy sets with applications to pattern recognition. <b>2014</b> , 255, 45-57	163
1373	Partner selection in a manufacturing virtual enterprise based on intuitionistic fuzzy sets. <b>2014</b> , 28, 349	
1372	A grade assignment and IFS translation approach based on intensive region searching. <b>2015</b> ,	
1371	New operational laws and aggregation method of intuitionistic fuzzy information. <b>2015</b> , 30, 129-141	45
1370	Some uncertain generalized Shapley aggregation operators for multi-attribute group decision making. <b>2015</b> , 29, 1251-1263	13
1369	Interval-valued intuitionistic fuzzy prioritized hybrid weighted aggregation operator and its application in decision making. <b>2015</b> , 29, 1697-1709	12
1368	Normal intuitionistic fuzzy Bonferroni mean operators and their applications to multiple attribute group decision making. <b>2015</b> , 29, 2205-2216	22
1367	Multiple attribute group decision making methods based on intuitionistic fuzzy frank power aggregation operators. <b>2015</b> , 29, 2235-2246	49
1366	The novel models for interval-valued intuitionistic fuzzy multiple attribute decision making with correlative weight information. <b>2015</b> , 28, 1947-1953	1
1365	Triangular Atanassov intuitionistic fuzzy Bonferroni mean and application to supplier selection. <b>2015</b> , 28, 2785-2791	7
1364	Two decision making models based on newly defined additively consistent intuitionistic preference relation. <b>2015</b> ,	
1363	Some Results for Pythagorean Fuzzy Sets. <b>2015</b> , 30, 1133-1160	508
1362	Supplier Selection Group Decision Making in Logistics Service Value Cocreation Based on Intuitionistic Fuzzy Sets. <b>2015</b> , 2015, 1-10	3
1361	MAGDM Problems with Correlation Coefficient of Triangular Fuzzy IFS. <b>2015</b> , 4, 1-32	17
1360	Dual hesitant fuzzy interaction operators and their application to group decision making. <b>2015</b> , 32, 273-290	8
1359	Dam's risk identification under interval-valued intuitionistic fuzzy environment. <b>2015</b> , 32, 351-363	4
1358	AHP and Intuitionistic Fuzzy TOPSIS Methodology for SCM Selection. <b>2015</b> , 181-194	

1357	Advanced Business Analytics. <b>2015</b> ,	2
1356	The Origin of Fuzzy Extensions. <b>2015</b> , 89-112	4
1355	On learning of weights through preferences. <b>2015</b> , 321, 90-102	13
1354	An approach to network security evaluation of computer network information system with triangular fuzzy information. <b>2015</b> , 28, 2029-2035	8
1353	An application of intuitionistic fuzzy TOPSIS on mobile phone selection. <b>2015</b> ,	3
1352	A new method for multiple attribute decision making based on intuitionistic fuzzy geometric averaging operators. <b>2015</b> ,	2
1351	An approach to group decision making based on interval-valued intuitionistic fuzzy geometric distance measures. <b>2015</b> ,	
1350	A novel Multiple Attribute Group Decision Making methodology based on Intuitionistic Fuzzy TOPSIS. <b>2015</b> ,	1
1349	Ranking intuitionistic fuzzy values with the Euclidean distance. <b>2015</b> ,	
1348	A New Family of Induced OWA Operators. <b>2015</b> , 30, 170-205	18
1347	An intuitionistic fuzzy grey model for selection problems with an application to the inspection planning in manufacturing firms. <b>2015</b> , 39, 157-167	36
1346	Deriving three-way decisions from intuitionistic fuzzy decision-theoretic rough sets. <b>2015</b> , 300, 28-48	144
1345	Atanassov's intuitionistic fuzzy Quasi-Choquet geometric operators and their applications to multicriteria decision making. <b>2015</b> , 14, 139-172	16
1344	Generalized Bonferroni Mean Operator for Fuzzy Number Intuitionistic Fuzzy Sets and its Application to Multiattribute Decision Making. <b>2015</b> , 30, 499-519	34
1343	An automatic ranking approach for multi-criteria group decision making under intuitionistic fuzzy environment. <b>2015</b> , 14, 311-334	22
1342	Optimal discrete fitting aggregation approach with hesitant fuzzy information. <b>2015</b> , 78, 22-33	29
1341	Interval-valued intuitionistic fuzzy multi-criteria group decision making based on cross entropy and 2-additive measures. <b>2015</b> , 19, 2071-2082	36
1340	Compensative weighted averaging aggregation operators. <b>2015</b> , 28, 368-378	24

1339	Intuitionistic fuzzy theory based typhoon disaster evaluation in Zhejiang Province, China: a comparative perspective. <b>2015</b> , 75, 2559-2576	31
1338	An interval-valued intuitionistic fuzzy principal component analysis model-based method for complex multi-attribute large-group decision-making. <b>2015</b> , 245, 209-225	112
1337	Point operators for intuitionistic multiplicative information. <b>2015</b> , 28, 615-620	9
1336	Ordering finitely generated sets and finite interval-valued hesitant fuzzy sets. <b>2015</b> , 325, 375-392	10
1335	Geometric average of spatial evidence data layers: A GIS-based multi-criteria decision-making approach to mineral prospectivity mapping. <b>2015</b> , 83, 72-79	74
1334	Generalized compensative weighted averaging aggregation operators. <b>2015</b> , 87, 81-90	14
1333	An approach to interval-valued intuitionistic uncertain linguistic multi-attribute group decision making. <b>2015</b> , 6, 859-871	9
1332	Generalized intuitionistic fuzzy geometric aggregation operators and their application to multi-criteria decision making. <b>2015</b> , 66, 1919-1938	13
1331	Atanassov's intuitionistic fuzzy decision making with probabilistic information and distance measure. <b>2015</b> , 28, 317-325	10
1330	Approaches to multiple attribute decision making with hesitant fuzzy uncertain linguistic information. <b>2015</b> , 28, 991-998	8
1329	Consistency of the fused intuitionistic fuzzy preference relation in group intuitionistic fuzzy analytic hierarchy process. <b>2015</b> , 35, 812-826	73
1328	Outlooks and Insights on Group Decision and Negotiation. <b>2015</b> ,	2
1327	An approach to multiple attribute group decision making based on linguistic intuitionistic fuzzy numbers. <b>2015</b> , 8, 747-760	137
1326	Multiple Attribute Group Decision Making Under Hesitant Fuzzy Environment. <b>2015</b> , 171-182	
1325	Research on the computer network security evaluation based on the DHFHCG operator with dual hesitant fuzzy information. <b>2015</b> , 28, 199-204	13
1324	The orders of intuitionistic fuzzy numbers. <b>2015</b> , 28, 505-511	10
1323	Methods for multiple attribute decision making with hesitant fuzzy uncertain linguistic information and their application for evaluating the college English teachers' professional development competence. <b>2015</b> , 28, 1243-1250	6
1322	Preference relations based on hesitant-intuitionistic fuzzy information and their application in group decision making. <b>2015</b> , 87, 163-175	35

1321	A new method for Atanassov's interval-valued intuitionistic fuzzy MAGDM with incomplete attribute weight information. <b>2015</b> , 316, 329-347	87
1320	Indefinite integrals of generalized intuitionistic multiplicative functions. <b>2015</b> , 14, 459-476	4
1319	Some Geometric Operators for Aggregating Intuitionistic Linguistic Information. <b>2015</b> , 17, 268-278	17
1318	Intuitionistic Fuzzy Power Geometric Bonferroni Means and Their Application to Multiple Attribute Group Decision Making. <b>2015</b> , 23, 285-315	23
1317	Developing a novel Intuitionistic Fuzzy Importance-Performance Analysis for evaluating corporate social responsibility in sport tourism event. <b>2015</b> , 42, 6530-6538	17
1316	IFWA and IFWGM Methods for MADM under Atanassov's Intuitionistic Fuzzy Environment. <b>2015</b> , 23, 263-284	10
1315	Generalised operations on hesitant fuzzy values in the framework of Dempster-Shafer theory. <b>2015</b> , 311, 39-58	27
1314	Researching the development of Atanassov intuitionistic fuzzy set: Using a citation network analysis. <b>2015</b> , 32, 189-198	93
1313	An entropy measure definition for finite interval-valued hesitant fuzzy sets. <b>2015</b> , 84, 121-133	39
1312	Interval-valued intuitionistic fuzzy multi-criteria decision making based on the generalized Shapley geometric Choquet integral. <b>2015</b> , 1-16	1
1311	. <b>2015</b> , 23, 973-990	101
1310	A scientometrics review on aggregation operator research. <b>2015</b> , 105, 115-133	89
1309	Intuitionistic Fuzzy Linguistic Induced Ordered Weighted Averaging Operator for Group Decision Making. <b>2015</b> , 23, 627-648	21
1308	Ordering Relations Over Intuitionistic Fuzzy Quantities. <b>2015</b> , 587-596	1
1307	. <b>2015</b> , 23, 1519-1533	22
1306	Golden Rule and Other Representative Values for Atanassov Type Intuitionistic Membership Grades. <b>2015</b> , 23, 2260-2269	22
1305	Fundamental properties of intuitionistic fuzzy calculus. <b>2015</b> , 76, 1-16	40
1304	Multi-attribute decision making based on neutral averaging operators for intuitionistic fuzzy information. <b>2015</b> , 27, 64-76	59

1303	Derivative and Differential Operations of Intuitionistic Fuzzy Numbers. <b>2015</b> , 30, 468-498	50
1302	Failure mode and effects analysis using intuitionistic fuzzy hybrid TOPSIS approach. <b>2015</b> , 19, 1085-1098	103
1301	Hesitant fuzzy Hamacher aggregation operators for multicriteria decision making. <b>2015</b> , 26, 325-349	80
1300	Generation of partial orders for intervals by means of the slope function. <b>2015</b> , 266, 67-83	
1299	Multiattribute decision making based on intuitionistic fuzzy interaction average operators: a comparison. <b>2015</b> , 22, 1017-1032	17
1298	Intuitionistic fuzzy interaction bonferroni means and its application to multiple attribute decision making. <b>2015</b> , 45, 116-28	86
1297	An approach to intuitionistic fuzzy multi-attribute group decision making based on hybrid Einstein aggregation operators. <b>2016</b> , 9, 315	
1296	Evaluation of customer satisfaction of Door-to-Door whole-process logistic service with interval-valued intuitionistic fuzzy information. <b>2016</b> , 30, 2487-2495	6
1295	An Exhaustive Study of Possibility Measures of Interval-Valued Intuitionistic Fuzzy Sets and Application to Multicriteria Decision Making. <b>2016</b> , 2016, 1-10	9
1294	Medical Waste Disposal Method Selection Based on a Hierarchical Decision Model with Intuitionistic Fuzzy Relations. <b>2016</b> , 13,	10
1293	A Group Decision Framework with Intuitionistic Preference Relations and Its Application to Low Carbon Supplier Selection. <b>2016</b> , 13,	17
1292	Multiple Attribute Group Decision Analysis for Intuitionistic Triangular and Trapezoidal Fuzzy Numbers. <b>2016</b> , 5, 42-76	6
1291	Fundamental Properties of Interval-Valued Pythagorean Fuzzy Aggregation Operators. <b>2016</b> , 31, 444-487	244
1290	Geometric Bonferroni Mean Operators. <b>2016</b> , 31, 1181-1197	11
1289	Error Analysis Methods for Group Decision Making Based on Hesitant Fuzzy Preference Relation. <b>2016</b> , 31, 1104-1128	10
1288	A Topsis-Based Approach for Prioritized Aggregation in Multi-Criteria Decision-Making Problems. <b>2016</b> , 23, 197-209	16
1287	On Extending Power-Geometric Operators to Interval-Valued Hesitant Fuzzy Sets and Their Applications to Group Decision Making. <b>2016</b> , 15, 1055-1114	13
1286	Linguistic Discriminative Aggregation in Multicriteria Decision Making. <b>2016</b> , 31, 529-555	9



1285	Pythagorean Fuzzy Choquet Integral Based MABAC Method for Multiple Attribute Group Decision Making. <b>2016</b> , 31, 989-1020	205
1284	An Approach Based on Definite Integrals to Multi-Criteria Decision Making with Correlative Intuitionistic Fuzzy Information. <b>2016</b> , 24, 807-829	2
1283	Intuitionistic fuzzy multi-attribute decision making with ideal-point-based method and correlation measure. <b>2016</b> , 30, 747-757	10
1282	A new correlation measure of the intuitionistic fuzzy sets. <b>2016</b> , 30, 1019-1028	27
1281	Ranking of intuitionistic fuzzy numbers by new distance measure. <b>2016</b> , 30, 1099-1107	7
1280	Attributes reduction based on intuitionistic fuzzy rough sets. <b>2016</b> , 30, 1127-1137	25
1279	Intuitionistic fuzzy induced ordered entropic weighted averaging operator for group decision making. <b>2016</b> , 31, 1189-1197	7
1278	Research on the management performance evaluation of the sports sites with intuitionistic fuzzy information. <b>2016</b> , 31, 1377-1384	
1277	Models for evaluating the resource integration capability of textile enterprise with hesitant fuzzy uncertain linguistic information. <b>2016</b> , 31, 2001-2008	3
1276	Research on the supplier selection model of closed-loop logistics systems with hesitant fuzzy information1. <b>2016</b> , 30, 3431-3437	1
1275	Visualization and quantitative research on intuitionistic fuzzy studies. <b>2016</b> , 30, 3653-3663	82
1274	A risk attitudinal ranking approach of triangular intuitionistic fuzzy numbers and their application to MADM problems. <b>2016</b> , 31, 2919-2925	3
1273	Choquet integral-based intuitionistic fuzzy bonferroni mean operator. <b>2016</b> ,	1
1272	Heronian aggregation operators of intuitionistic fuzzy numbers based on the Archimedean t-norm and t-conorm. <b>2016</b> ,	9
1271	Application and comparison of possibility measures applied to multi-criteria decision making method using intuitionistic fuzzy information. <b>2016</b> ,	1
1270	Risk assessment of supply chain finance with intuitionistic fuzzy information. <b>2016</b> , 31, 1967-1975	8
1269	Mapping development of linguistic decision making studies. <b>2016</b> , 30, 2727-2736	72
1268	Simplified interval-valued intuitionistic fuzzy sets with intuitionistic fuzzy numbers. <b>2016</b> , 30, 2871-2882	14

1267	A new method for two-sided matching decision making of PPP projects based on intuitionistic fuzzy choquet integral. <b>2016</b> , 31, 2221-2230	18
1266	Mixed Intuitionistic Fuzzy Aggregation Operators decreasing results of unusual IFNs. <b>2016</b> ,	2
1265	Models for multiple attribute decision making with hesitant fuzzy linguistic information and their application to Enterprise risk evaluation. <b>2016</b> , 30, 1531-1536	1
1264	Correlated aggregation operators for simplified neutrosophic set and their application in multi-attribute group decision making. <b>2016</b> , 30, 1755-1761	13
1263	On $\mathbb{P}$ -Partitions for Finite Interval-Valued Hesitant Fuzzy Sets. <b>2016</b> , 24, 145-163	2
1262	Research on the investment performance evaluation of corporate venture capital with intuitionistic fuzzy information. <b>2016</b> , 30, 1783-1790	6
1261	Correlation and aggregation integrated MCDM with interval-valued intuitionistic fuzzy numbers. <b>2016</b> ,	1
1260	FMEA Using Uncertainty Theories and MCDM Methods. <b>2016</b> ,	19
1259	A linear ordering on the class of Trapezoidal intuitionistic fuzzy numbers. <b>2016</b> , 60, 269-279	17
1258	A Centroid-based Ranking Method of Trapezoidal Intuitionistic Fuzzy Numbers and Its Application to MCDM ProblemsPeer review under responsibility of Fuzzy Information and Engineering Branch of the Operations Research Society of China.. <b>2016</b> , 8, 41-74	28
1257	An integrating OWA-OPSIS framework in intuitionistic fuzzy settings for multiple attribute decision making. <b>2016</b> , 98, 185-194	35
1256	Alternative queuing method for multiple criteria decision making with hybrid fuzzy and ranking information. <b>2016</b> , 357, 144-160	34
1255	Multi-Groups Decision Making using Intuitionistic-valued Hesitant Fuzzy Information. <b>2016</b> , 9, 468-482	24
1254	Multi-criteria intuitionistic fuzzy group decision analysis with TOPSIS method for selecting appropriate cloud solution to manage big data projects. <b>2016</b> , 7, 316-324	8
1253	A Comprehensive Literature Review of 50 Years of Fuzzy Set Theory. <b>2016</b> , 9, 3-24	51
1252	An activation detection based similarity measure for intuitionistic fuzzy sets. <b>2016</b> , 60, 62-80	17
1251	Modeling Decisions for Artificial Intelligence. <b>2016</b> ,	
1250	On Admissible Total Orders for Interval-valued Intuitionistic Fuzzy Membership DegreesPeer review under responsibility of Fuzzy Information and Engineering Branch of the Operations Research Society of China.. <b>2016</b> , 8, 169-182	5

1249	Diagram Illustrations of Aggregation Operations for the Intuitionistic Fuzzy Values. <b>2016</b> , 24, 631-646	2
1248	An intuitionistic fuzzy multi-attribute decision making model for the acceptance of genetically modified foods based on IFHA operator. <b>2016</b> ,	
1247	Generalized intuitionistic fuzzy interactive geometric interaction operators using Einstein t-norm and t-conorm and their application to decision making. <b>2016</b> , 101, 53-69	163
1246	A group decision making model considering both the additive consistency and group consensus of intuitionistic fuzzy preference relations. <b>2016</b> , 101, 227-242	66
1245	Complete Ranking of Intuitionistic Fuzzy NumbersPeer review under responsibility of Fuzzy Information and Engineering Branch of the Operations Research Society of China.. <b>2016</b> , 8, 237-254	22
1244	Interval-valued dual hesitant fuzzy linguistic geometric aggregation operators in multiple attribute decision making. <b>2016</b> , 20, 189-196	46
1243	Fundamental Properties of Pythagorean Fuzzy Aggregation Operators. <b>2016</b> , 147, 415-446	82
1242	Intuitionistic fuzzy multi-criteria decision making framework based on life cycle environmental, economic and social impacts: The case of U.S. wind energy. <b>2016</b> , 8, 78-92	53
1241	Some series of intuitionistic fuzzy interactive averaging aggregation operators. <b>2016</b> , 5, 999	66
1240	A preference degree for intuitionistic fuzzy values and application to multi-attribute group decision making. <b>2016</b> , 370-371, 127-146	28
1239	A geometric approach for ranking interval-valued intuitionistic fuzzy numbers with an application to group decision-making. <b>2016</b> , 102, 233-245	35
1238	A multicriteria group decision making procedure for selecting cloud based ERP system providers. <b>2016</b> ,	1
1237	Some induced generalized ordered weighted power average operators within intuitionistic trapezoidal fuzzy setting. <b>2016</b> ,	1
1236	Intuitionistic Fuzzy Optimized Weighted Geometric Bonferroni Means and Their Applications in Group Decision Making. <b>2016</b> , 144, 363-381	10
1235	Intuitionistic fuzzy multi-criteria decision making with application to job hunting: A comparative perspective. <b>2016</b> , 30, 1935-1946	9
1234	Symmetric Pythagorean Fuzzy Weighted Geometric/Averaging Operators and Their Application in Multicriteria Decision-Making Problems. <b>2016</b> , 31, 1198-1219	185
1233	FMEA Using Intuitionistic Fuzzy Hybrid Weighted Euclidean Distance Operator. <b>2016</b> , 31-46	2
1232	Multicriteria decision making based on the TOPSIS method and similarity measures between intuitionistic fuzzy values. <b>2016</b> , 367-368, 279-295	125

1231	A new integrated intuitionistic fuzzy group decision making approach for product development partner selection. <b>2016</b> , 102, 383-395	67
1230	Unbalanced OWA Operators for Atanassov Intuitionistic Fuzzy Sets. <b>2016</b> , 435-444	
1229	GHFHC: Generalized Hesitant Fuzzy Hierarchical Clustering Algorithm. <b>2016</b> , 31, 855-871	10
1228	Multi Criteria Group Decision Making Approach for Smart Phone Selection Using Intuitionistic Fuzzy TOPSIS. <b>2016</b> , 9, 709-725	51
1227	A new distance measure for interval valued intuitionistic fuzzy sets and its application to group decision making problems with incomplete weights information. <b>2016</b> , 41, 120-134	79
1226	On the TOPSIS-Class Methods in the Intuitionistic Fuzzy Environment. <b>2016</b> , 159-175	
1225	Generalized intuitionistic fuzzy multiplicative interactive geometric operators and their application to multiple criteria decision making. <b>2016</b> , 7, 1075-1092	58
1224	A novel risk attitudinal ranking method for intuitionistic fuzzy values and application to MADM. <b>2016</b> , 40, 98-112	33
1223	Power Average of Trapezoidal Intuitionistic Fuzzy Numbers Using Strict t-Norms and t-Conorms. <b>2016</b> , 24, 1035-1047	36
1222	Unbalanced interval-valued OWA operators. <b>2016</b> , 5, 207-214	4
1221	Fuzzy multiattribute decision making based on transformation techniques of intuitionistic fuzzy values and intuitionistic fuzzy geometric averaging operators. <b>2016</b> , 352-353, 133-149	110
1220	Combination of unreliable evidence sources in intuitionistic fuzzy MCDM framework. <b>2016</b> , 97, 24-39	35
1219	Cross-docking Location Selection in Distribution Systems: A New Intuitionistic Fuzzy Hierarchical Decision Model. <b>2016</b> , 9, 91-109	33
1218	Multi-attribute group decision making based on Choquet integral under interval-valued intuitionistic fuzzy environment. <b>2016</b> , 9, 133-152	27
1217	Interval valued hesitant fuzzy uncertain linguistic aggregation operators in multiple attribute decision making. <b>2016</b> , 7, 1093-1114	123
1216	Relationships Between Two Types of Intuitionistic Fuzzy Definite Integrals. <b>2016</b> , 24, 1410-1425	15
1215	A novel method for MCDM and evaluation of manufacturing services using collaborative filtering and IVIF theory. <b>2016</b> , 10, 40-51	4
1214	Generalized Archimedean Intuitionistic Fuzzy Averaging Aggregation Operators and their Application to Multicriteria Decision-Making. <b>2016</b> , 15, 311-352	11

1213	An approach to multi-criteria decision-making under interval-valued intuitionistic fuzzy values and interval fuzzy measures. <b>2016</b> , 33, 253-270	2
1212	Interval-Valued Intuitionistic Fuzzy Derivative and Differential Operations. <b>2016</b> , 9, 36-56	29
1211	An Argument-Dependent Approach to Determining the Weights of IFOWA Operator. <b>2016</b> , 85-97	
1210	Additive Intuitionistic Fuzzy Aggregation Operators Based on Fuzzy Measure. <b>2016</b> , 24, 1-12	19
1209	Simplified interval-valued intuitionistic fuzzy integrals and their use in park siting. <b>2016</b> , 20, 4377-4393	5
1208	Properties and Applications of Pythagorean Fuzzy Sets. <b>2016</b> , 119-136	61
1207	An interval extension of homogeneous and pseudo-homogeneous t-norms and t-conorms. <b>2016</b> , 355-356, 328-347	9
1206	Intuitionistic fuzzy integrals based on Archimedean t-conorms and t-norms. <b>2016</b> , 327, 57-70	19
1205	Fuzzy Petri nets Using Intuitionistic Fuzzy Sets and Ordered Weighted Averaging Operators. <b>2016</b> , 46, 1839-50	37
1204	Dual hesitant fuzzy group decision making method and its application to supplier selection. <b>2016</b> , 7, 819-831	43
1203	DUAL HESITANT FUZZY AGGREGATION OPERATORS. <b>2016</b> , 22, 194-209	36
1202	Chain and Substitution Rules of Intuitionistic Fuzzy Calculus. <b>2016</b> , 24, 519-529	17
1201	Failure Mode and Effects Analysis Under Uncertainty: A Literature Review and Tutorial. <b>2016</b> , 265-325	8
1200	A New Method for Intuitionistic Fuzzy Multiattribute Decision Making. <b>2016</b> , 46, 1167-1179	29
1199	IFPBMs and their application to multiple attribute group decision making. <b>2016</b> , 67, 127-147	16
1198	Softmax function based intuitionistic fuzzy multi-criteria decision making and applications. <b>2016</b> , 16, 327-348	12
1197	The Molds of Intuitionistic Fuzzy Value and Their Applications. <b>2016</b> , 18, 284-298	3
1196	A new model for intuitionistic fuzzy multi-attributes decision making. <b>2016</b> , 249, 677-682	52

1195	Exponential operations of interval-valued intuitionistic fuzzy numbers. <b>2016</b> , 7, 501-518	19
1194	A Historical Account of Types of Fuzzy Sets and Their Relationships. <b>2016</b> , 24, 179-194	285
1193	On Atanassov's Intuitionistic Fuzzy Sets in the Complex Plane and the Field of Intuitionistic Fuzzy Numbers. <b>2016</b> , 24, 253-259	6
1192	. <b>2016</b> , 24, 558-573	59
1191	INTUITIONISTIC FUZZY GENERALIZED PROBABILISTIC ORDERED WEIGHTED AVERAGING OPERATOR AND ITS APPLICATION TO GROUP DECISION MAKING. <b>2016</b> , 22, 177-193	38
1190	Information fusion for intuitionistic fuzzy decision making: An overview. <b>2016</b> , 28, 10-23	141
1189	Subsethood measures for interval-valued fuzzy sets based on the aggregation of interval fuzzy implications. <b>2016</b> , 283, 120-139	13
1188	An Extended PROMETHE II Multi-Criteria Group Decision Making Technique Based on Intuitionistic Fuzzy Logic for Sustainable Energy Planning. <b>2016</b> , 25, 221-244	52
1187	Fuzzy multicriteria decision making method based on the improved accuracy function for interval-valued intuitionistic fuzzy sets. <b>2016</b> , 20, 2557-2563	47
1186	Multiple attribute group decision-making methods based on trapezoidal fuzzy two-dimension linguistic power generalized aggregation operators. <b>2016</b> , 20, 2689-2704	20
1185	An Acceptable Consistency-Based Framework for Group Decision Making with Intuitionistic Preference Relations. <b>2016</b> , 25, 181-202	9
1184	Fuzzy multiattribute group decision making based on intuitionistic fuzzy sets and evidential reasoning methodology. <b>2016</b> , 27, 215-227	140
1183	Some studies on properties of hesitant fuzzy sets. <b>2017</b> , 8, 489-495	10
1182	Some intuitionistic trapezoidal fuzzy aggregation operators based on Einstein operations and their application in multiple attribute group decision making. <b>2017</b> , 8, 547-569	11
1181	Multi-criteria group decision making method based on generalized intuitionistic trapezoidal fuzzy prioritized aggregation operators. <b>2017</b> , 8, 597-610	25
1180	THE INTERVAL-VALUED INTUITIONISTIC FUZZY GEOMETRIC CHOQUET AGGREGATION OPERATOR BASED ON THE GENERALIZED BANZHAF INDEX AND 2-ADDITIVE MEASURE. <b>2017</b> , 21, 186-215	20
1179	EXTENDED HESITANT FUZZY SETS. <b>2017</b> , 22, 100-121	34
1178	Multi-criteria group decision-making methods based on new intuitionistic fuzzy Einstein hybrid weighted aggregation operators. <b>2017</b> , 28, 3781-3800	25

1177	Decision making with the generalized intuitionistic fuzzy power interaction averaging operators. <b>2017</b> , 21, 1129-1144	27
1176	CONTINUOUS INTUITIONISTIC FUZZY ORDERED WEIGHTED DISTANCE MEASURE AND ITS APPLICATION TO GROUP DECISION MAKING. <b>2017</b> , 22, 75-99	30
1175	Dual hesitant fuzzy information aggregation with Einstein t-conorm and t-norm. <b>2017</b> , 26, 240-264	19
1174	Novel intuitionistic fuzzy decision making models in the framework of decision field theory. <b>2017</b> , 33, 57-70	53
1173	Exponential operations for intuitionistic fuzzy numbers and interval numbers in multi-attribute decision making. <b>2017</b> , 16, 183-204	29
1172	Robust decision making using intuitionistic fuzzy numbers. <b>2017</b> , 2, 41-54	66
1171	Algorithms for interval-valued fuzzy soft sets in stochastic multi-criteria decision making based on regret theory and prospect theory with combined weight. <b>2017</b> , 54, 415-430	139
1170	Analysis of fuzzy Hamacher aggregation functions for uncertain multiple attribute decision making. <b>2017</b> , 387, 19-33	27
1169	An algorithm for group decision making using n-dimensional fuzzy sets, admissible orders and OWA operators. <b>2017</b> , 37, 126-131	31
1168	A group decision-making model based on distance-based VIKOR with incomplete heterogeneous information and its application to emergency supplier selection. <b>2017</b> , 46, 501-529	20
1167	Dual hesitant fuzzy VIKOR method for multi-criteria group decision making based on fuzzy measure and new comparison method. <b>2017</b> , 388-389, 1-16	99
1166	Extreme intuitionistic fuzzy weighted aggregation operators and their applications in optimism and pessimism decision-making processes. <b>2017</b> , 32, 1129-1138	16
1165	Correlation Coefficient of Interval-Valued Intuitionistic Uncertain Linguistic Sets and Its Application. <b>2017</b> , 48, 114-135	15
1164	Pythagorean Fuzzy Information Measures and Their Applications. <b>2017</b> , 32, 991-1029	208
1163	Multiattribute decision making based on interval-valued intuitionistic fuzzy values and particle swarm optimization techniques. <b>2017</b> , 397-398, 206-218	26
1162	A Novel Method for Multiattribute Decision Making with Interval-Valued Pythagorean Fuzzy Linguistic Information. <b>2017</b> , 32, 1085-1112	78
1161	Choquet integral correlation coefficient of intuitionistic fuzzy sets and its applications. <b>2017</b> , 33, 543-553	11
1160	Novel intuitionistic fuzzy decision making method based on an improved operation laws and its application. <b>2017</b> , 60, 164-174	149

1159	Some Power Aggregation Operators for Hesitant Intuitionistic Fuzzy Linguistic Set and Their Applications to Multiple Attribute Decision Making. <b>2017</b> , 325-347	
1158	Distance and distance induced intuitionistic entropy of generalized intuitionistic fuzzy soft sets. <b>2017</b> , 47, 132-147	22
1157	Approaches to multiple attribute group decision making based on the generalized Dice similarity measures with intuitionistic fuzzy information. <b>2017</b> , 21, 85-95	47
1156	Partial Derivative and Complete Differential of Binary Intuitionistic Fuzzy Functions. <b>2017</b> , 19, 273-284	8
1155	Confidence levels based Pythagorean fuzzy aggregation operators and its application to decision-making process. <b>2017</b> , 23, 546-571	131
1154	. <b>2017</b> , 28, 88-96	8
1153	Pythagorean fuzzy Einstein weighted geometric aggregation operator and their application to multiple attribute group decision making. <b>2017</b> , 33, 635-647	82
1152	Interval-valued Fuzzy Soft Decision Making Methods Based on MABAC, Similarity Measure and EDAS. <b>2017</b> , 152, 373-396	36
1151	Multi-criteria group decision-making based sustainability measurement of wastewater treatment processes. <b>2017</b> , 65, 91-99	43
1150	Adaptive linguistic weighted aggregation operators for multi-criteria decision making. <b>2017</b> , 58, 690-699	7
1149	Choquet based TOPSIS and TODIM for dynamic and heterogeneous decision making with criteria interaction. <b>2017</b> , 408, 41-69	91
1148	Intuitionistic fuzzy hybrid arithmetic and geometric aggregation operators for the decision-making of mechanical design schemes. <b>2017</b> , 47, 743-751	44
1147	GIFIHIA operator and its application to the selection of cold chain logistics enterprises. <b>2017</b> , 2, 187-197	20
1146	Commentary on A new generalized improved score function of interval-valued intuitionistic fuzzy sets and applications in expert systems[Appl. Soft Comput., 2016(38) 988-999]. <b>2017</b> , 52, 48-52	4
1145	Multi-attribute decision making based on a novel IF point operator. <b>2017</b> , 16, 505-524	1
1144	Dynamic Aggregation Operators Based on Intuitionistic Fuzzy Tools and Einstein OperationsPeer review under responsibility of Fuzzy Information and Engineering Branch of the Operations Research Society of China.. <b>2017</b> , 9, 45-65	8
1143	Additive consistent interval-valued Atanassov intuitionistic fuzzy preference relation and likelihood comparison algorithm based group decision making. <b>2017</b> , 263, 571-582	58
1142	Interval-valued intuitionistic fuzzy combined weighted averaging operator for group decision making. <b>2017</b> , 68, 895-905	12



1141	A new combined IF-DEMATEL and IF-ANP approach for CRM partner evaluation. <b>2017</b> , 191, 194-206	67
1140	A graph based group decision making approach with intuitionistic fuzzy preference relations. <b>2017</b> , 110, 138-150	52
1139	Some Picture Fuzzy Aggregation Operators and Their Applications to Multicriteria Decision-Making. <b>2017</b> , 42, 5275-5290	192
1138	Maclaurin symmetric mean operators of linguistic intuitionistic fuzzy numbers and their application to multiple-attribute decision-making. <b>2017</b> , 29, 1173-1202	58
1137	An Interval-Valued Fuzzy Cerebellar Model Neural Network Based on Intuitionistic Fuzzy Sets. <b>2017</b> , 19, 881-894	7
1136	Some Improved Linguistic Intuitionistic Fuzzy Aggregation Operators and Their Applications to Multiple-Attribute Decision Making. <b>2017</b> , 16, 817-850	74
1135	Pythagorean uncertain linguistic partitioned Bonferroni mean operators and their application in multi-attribute decision making. <b>2017</b> , 32, 2779-2790	68
1134	Fundamental Properties With Respect to the Completeness of Intuitionistic Fuzzy Partially Ordered Set. <b>2017</b> , 25, 1741-1751	14
1133	Infinite Intuitionistic Fuzzy Series and Product. <b>2017</b> , 32, 645-662	4
1132	A Novel Intuitionistic Fuzzy Induced Ordered Weighted Euclidean Distance Operator and Its Application for Group Decision Making. <b>2017</b> , 32, 739-753	15
1131	Group Decision Making Based on Heronian Aggregation Operators of Intuitionistic Fuzzy Numbers. <b>2017</b> , 47, 2514-2530	184
1130	A Method for Ranking Products Through Online Reviews Based on Sentiment Classification and Interval-Valued Intuitionistic Fuzzy TOPSIS. <b>2017</b> , 16, 1497-1522	48
1129	A mathematical programming-based method for heterogeneous multicriteria group decision analysis with aspirations and incomplete preference information. <b>2017</b> , 113, 541-557	11
1128	Aggregation operators on triangular cubic fuzzy numbers and its application to multi-criteria decision making problems. <b>2017</b> , 33, 3323-3337	77
1127	Picture fuzzy aggregation operators and their application to multiple attribute decision making. <b>2017</b> , 33, 713-724	241
1126	Method for evaluating the eco-tourism environmental carrying capacity with hesitant fuzzy linguistic information. <b>2017</b> , 33, 1733-1740	2
1125	Model for evaluating the visual design quality with 2-tuple linguistic information. <b>2017</b> , 33, 1741-1748	1
1124	Approximation of intuitionistic fuzzy numbers by trapezoidal intuitionistic fuzzy numbers. <b>2017</b> , 33, 389-402	2

1123	Pythagorean fuzzy interaction aggregation operators and their application to multiple attribute decision making. <b>2017</b> , 33, 2119-2132	164
1122	The expert reliability and evidential reasoning rule based intuitionistic fuzzy multiple attribute group decision making. <b>2017</b> , 33, 1067-1082	7
1121	Hesitant pythagorean fuzzy hamacher aggregation operators and their application to multiple attribute decision making. <b>2017</b> , 33, 1105-1117	132
1120	Hesitant bipolar fuzzy aggregation operators in multiple attribute decision making. <b>2017</b> , 33, 1119-1128	98
1119	An extended VIKOR method for decision making problem with linguistic intuitionistic fuzzy numbers based on some new operational laws and entropy. <b>2017</b> , 33, 1919-1931	25
1118	Bipolar 2-tuple linguistic aggregation operators in multiple attribute decision making. <b>2017</b> , 33, 1197-1207	94
1117	A thermodynamic method of intuitionistic fuzzy MCDM to assist the hierarchical medical system in China. <b>2017</b> , 420, 490-504	34
1116	A Method for Multi-Attribute Group Decision Making Based on Generalized Interval-Valued Intuitionistic Fuzzy Choquet Integral Operators. <b>2017</b> , 25, 821-849	11
1115	Interval-valued Pythagorean fuzzy geometric aggregation operators and their application to group decision making problem. <b>2017</b> , 4, 1338638	55
1114	On cardinalities of finite interval-valued hesitant fuzzy sets. <b>2017</b> , 418-419, 421-431	6
1113	Parametric (R,S)-norm Entropy on Intuitionistic Fuzzy Sets with a New Approach in Multiple Attribute Decision Making. <b>2017</b> , 9, 181-203	20
1112	Study on enterprise risk management assessment based on picture fuzzy multiple attribute decision-making method. <b>2017</b> , 33, 3451-3458	16
1111	An exponential-related function for decision-making in engineering and management. <b>2017</b> , 7, 153-160	4
1110	Derivatives and differentials for multiplicative intuitionistic fuzzy information. <b>2017</b> , 32, 443-461	9
1109	Model for evaluating the international competitiveness of financial system with fuzzy number intuitionistic fuzzy information. <b>2017</b> , 33, 3191-3199	5
1108	The logarithmic operational laws of intuitionistic fuzzy sets and intuitionistic fuzzy numbers. <b>2017</b> , 33, 3241-3253	10
1107	Model for evaluating the enterprise marketing capability with picture fuzzy information. <b>2017</b> , 33, 3255-3263	10
1106	N-Reciprocity Property for Interval-Valued Fuzzy Relations with an Application to Group Decision Making Problems in Social Networks. <b>2017</b> , 25, 43-72	12

1105	Pythagorean fuzzy Hamacher aggregation operators and their application to multiple attribute decision making. <b>2017</b> , 21, 189-201	69
1104	Multi-attribute decision-making based on the SPIFGIA operators. <b>2017</b> , 2, 321-331	27
1103	Models for selecting the marketing promotional modes of new energy vehicles financial leasing with fuzzy number intuitionistic fuzzy information. <b>2017</b> , 21, 203-210	
1102	Models for evaluating the regional carbon emissions performance under the background of urban industrial agglomerations with hesitant fuzzy linguistic information. <b>2017</b> , 21, 235-242	1
1101	Model for evaluating the classification modes of the China college entrance examination with hesitant fuzzy information. <b>2017</b> , 21, 265-272	2
1100	Dual hesitant bipolar fuzzy aggregation operators in multiple attribute decision making. <b>2017</b> , 21, 155-164	19
1099	New online personalized recommendation approach based on the perceived value of consumer characteristics. <b>2017</b> , 33, 1953-1968	12
1098	Generalized interval-valued OWA operators with interval weights derived from interval-valued overlap functions. <b>2017</b> , 90, 1-16	56
1097	Multiple Attributes Decision Fusion for Wireless Sensor Networks Based on Intuitionistic Fuzzy Set. <b>2017</b> , 5, 12798-12809	17
1096	A Clustering Algorithm Based on Intuitionistic Fuzzy Relations for Tree Structure Evaluation. <b>2017</b> , 3, 3131-3145	
1095	An automatic iterative decision-making method for intuitionistic fuzzy linguistic preference relations. <b>2017</b> , 48, 2779-2793	3
1094	Interval-valued implications and interval-valued strong equality index with admissible orders. <b>2017</b> , 88, 91-109	35
1093	Intuitionistic Fuzzy Probabilistic Aggregation Operators Based on the Choquet Integral: Application in Multicriteria Decision-Making. <b>2017</b> , 16, 245-279	11
1092	Granular, Soft and Fuzzy Approaches for Intelligent Systems. <b>2017</b> ,	2
1091	Distance measures between type-2 intuitionistic fuzzy sets and their application to multicriteria decision-making process. <b>2017</b> , 46, 788-799	72
1090	Models of Mathematical Programming for Intuitionistic Multiplicative Preference Relations. <b>2017</b> , 25, 945-957	34
1089	OWA Operators and Choquet Integrals in the Interval-Valued Setting. <b>2017</b> , 65-79	1
1088	Entropy and Cross-entropy for Generalized Hesitant Fuzzy Information and Their Use in Multiple Attribute Decision Making. <b>2017</b> , 32, 266-290	12

1087	An integrated method for supplier selection from the perspective of risk aversion. <b>2017</b> , 54, 449-455	20
1086	An Intuitionistic Fuzzy ELECTRE-III Method for Credit Risk Assessment. <b>2017</b> , 289-296	3
1085	Application of a new combined intuitionistic fuzzy MCDM approach based on axiomatic design methodology for the supplier selection problem. <b>2017</b> , 52, 1222-1238	123
1084	Discriminative aggregation operators for multi criteria decision making. <b>2017</b> , 52, 1058-1069	8
1083	RETRACTED ARTICLE: SPIFGIA operators and their applications to decision making. <b>2017</b> , 2, 223-223	3
1082	A Unification of Intuitionistic Fuzzy Calculus Theories Based on Subtraction Derivatives and Division Derivatives. <b>2017</b> , 25, 1023-1040	10
1081	Intuitionistic fuzzy induced ordered weighted averaging distance operator and its application to decision making. <b>2017</b> , 32, 11-22	37
1080	Some weighted geometric operators with SVTrN-numbers and their application to multi-criteria decision making problems. <b>2017</b> , 32, 291-301	44
1079	Research on the nitrogen use efficiency evaluation of different rice genotypes with intuitionistic fuzzy information. <b>2017</b> , 32, 1745-1751	2
1078	Power average operators of linguistic intuitionistic fuzzy numbers and their application to multiple-attribute decision making. <b>2017</b> , 32, 1029-1043	37
1077	Three-way decisions with intuitionistic fuzzy decision-theoretic rough sets based on point operators. <b>2017</b> , 375, 183-201	63
1076	Note on continuous interval-valued intuitionistic fuzzy aggregation operator. <b>2017</b> , 43, 670-677	11
1075	Modified intuitionistic fuzzy SIR approach with an application to supplier selection. <b>2017</b> , 32, 4431-4441	14
1074	Quality of experience oriented fuzzy routing decision by combining multiple attributes experience data. <b>2017</b> , 13, 155014771772930	
1073	Analysis of socioeconomic development by intuitionistic linguistic fuzzy numbers. <b>2017</b> , 120, 341-348	2
1072	IVOVO: A new interval-valued one-vs-one approach for multi-class classification problems. <b>2017</b> ,	2
1071	Evaluating the sustainability performance of urban water services. <b>2017</b> ,	1
1070	Generalization of the weighted product aggregation applied to data fusion of intuitionistic fuzzy quantities. <b>2017</b> ,	2

1069	A new ranking method for Pythagorean fuzzy numbers. <b>2017,</b>	2
1068	Modeling and applying credible interval intuitionistic fuzzy reciprocal preference relations in group decision making. <b>2017,</b> 28, 301	2
1067	Dynamic incomplete uninorm trust propagation and aggregation methods in social network. <b>2017,</b> 33, 3027-3039	5
1066	A Generalized Triangular Intuitionistic Fuzzy Geometric Averaging Operator for Decision-Making in Engineering and Management. <b>2017,</b> 8, 78	9
1065	TODIM Method for Single-Valued Neutrosophic Multiple Attribute Decision Making. <b>2017,</b> 8, 125	33
1064	Some New Biparametric Distance Measures on Single-Valued Neutrosophic Sets with Applications to Pattern Recognition and Medical Diagnosis. <b>2017,</b> 8, 162	34
1063	An Extended VIKOR Method Using Intuitionistic Fuzzy Sets and Combination Weights for Supplier Selection. <b>2017,</b> 9, 169	55
1062	A New Dynamic Multicriteria Decision-Making Approach for Green Supplier Selection in Construction Projects under Time Sequence. <b>2017,</b> 2017, 1-13	12
1061	Reliability information to support decision making for e-government projects. <b>2017,</b>	1
1060	MAGDM problems with sumudu transform for interval valued intuitionistic triangular fuzzy sets. <b>2017,</b>	1
1059	Multiattribute Group Decision Making Methods Based on Linguistic Intuitionistic Fuzzy Power Bonferroni Mean Operators. <b>2017,</b> 2017, 1-15	27
1058	Intuitionistic fuzzy prioritized information aggregation operators based on einstein operations and their applications to MCDM. <b>2017,</b>	
1057	Extended VIKOR Method for Intuitionistic Fuzzy Multiattribute Decision-Making Based on a New Distance Measure. <b>2017,</b> 2017, 1-16	16
1056	Selection of alternatives in decision making problem with uncertainty information by generalized reciprocity. <b>2017,</b>	
1055	Pseudo strong equality indices for interval-valued fuzzy sets with respect to admissible orders. <b>2017,</b>	
1054	A decision making framework under intuitionistic fuzzy environment for solving cloud vendor selection problem. <b>2017,</b>	3
1053	A novel weights generating approach for multiple attribute decision making under interval-valued intuitionistic fuzzy environment. <b>2017,</b>	
1052	New aggregation operator under IFS for balancing liberalization of decision maker weight constraint. <b>2017,</b>	1

1051	Interval-Valued Hesitant Fuzzy Multiattribute Group Decision Making Based on Improved Hamacher Aggregation Operators and Continuous Entropy. <b>2017</b> , 2017, 1-20	5
1050	An Intuitionistic Fuzzy Multi-Criteria Decision-Making Method Based on an Exponential-Related Function. <b>2017</b> , 6, 33-46	5
1049	An Error Analysis Decision Making Method for Priority in Intuitionistic Preference Relation. <b>2017</b> , 8, 1-13	2
1048	Arithmetic Behaviors of P-Norm Generalized Trapezoidal Intuitionistic Fuzzy Numbers with Application to Circuit Analysis. <b>2017</b> , 6, 6-58	1
1047	Distance measures for connection number sets based on set pair analysis and its applications to decision-making process. <b>2018</b> , 48, 3346-3359	64
1046	Sustainability prioritization of energy storage technologies for promoting the development of renewable energy: A novel intuitionistic fuzzy combinative distance-based assessment approach. <b>2018</b> , 121, 666-676	53
1045	Government transparency measurement through prioritized distance operators. <b>2018</b> , 34, 2783-2794	22
1044	Moderator intuitionistic fuzzy sets with applications in multi-criteria decision-making. <b>2018</b> , 3, 61-73	24
1043	Pythagorean hesitant fuzzy Hamacher aggregation operators and their application to multiple attribute decision making. <b>2018</b> , 33, 1197-1233	84
1042	Dual Hesitant Bipolar Fuzzy Hamacher Prioritized Aggregation Operators in Multiple Attribute Decision Making. <b>2018</b> , 6, 11508-11522	100
1041	Risk assessment based on novel intuitionistic fuzzy-hybrid-modified TOPSIS approach. <b>2018</b> , 110, 438-448	86
1040	Some Interval-Valued Pythagorean Fuzzy Einstein Weighted Averaging Aggregation Operators and Their Application to Group Decision Making. <b>2018</b> , 29, 393-408	18
1039	Linguistic single-valued neutrosophic prioritized aggregation operators and their applications to multiple-attribute group decision-making. <b>2018</b> , 9, 1975-1997	74
1038	Evaluation research on commercial bank counterparty credit risk management based on new intuitionistic fuzzy method. <b>2018</b> , 22, 5363-5375	3
1037	Multicriteria decision making based on intuitionistic fuzzy prioritized arithmetic mean. <b>2018</b> , 33, 1412-1425	1
1036	Pythagorean fuzzy multicriteria group decision making through similarity measure based on point operators. <b>2018</b> , 33, 1731-1744	43
1035	Some q-rung orthopair fuzzy Heronian mean operators in multiple attribute decision making. <b>2018</b> , 33, 1426-1458	248
1034	A robust correlation coefficient measure of dual hesitant fuzzy soft sets and their application in decision making. <b>2018</b> , 72, 80-92	84

1033	Hyperbolic scales involving appetites-based intuitionistic multiplicative preference relations for group decision making. <b>2018</b> , 451-452, 310-325	11
1032	Measures of Probabilistic Interval-Valued Intuitionistic Hesitant Fuzzy Sets and the Application in Reducing Excessive Medical Examinations. <b>2018</b> , 26, 1651-1670	57
1031	A Dynamic Weight Determination Approach Based on the Intuitionistic Fuzzy Bayesian Network and Its Application to Emergency Decision Making. <b>2018</b> , 26, 1893-1907	59
1030	Discrete Choquet Integrals for Riemann Integrable Inputs With Some Applications. <b>2018</b> , 26, 3164-3169	14
1029	Bonferroni mean aggregation operators under intuitionistic fuzzy soft set environment and their applications to decision-making. <b>2018</b> , 69, 1711-1724	55
1028	Picture Fuzzy Hamacher Aggregation Operators and their Application to Multiple Attribute Decision Making. <b>2018</b> , 157, 271-320	141
1027	A Linear Programming Method Based on an Improved Score Function for Interval-Valued Pythagorean Fuzzy Numbers and Its Application to Decision-Making. <b>2018</b> , 26, 67-80	86
1026	Prioritizing Groundwater Monitoring in Data Sparse Regions using Atanassov Intuitionistic Fuzzy Sets (A-IFS). <b>2018</b> , 32, 1483-1499	5
1025	An intuitionistic approach based on failure mode and effect analysis for prioritizing corrective and preventive strategies. <b>2018</b> , 28, 130-147	27
1024	Some Generalized Intuitionistic Fuzzy Einstein Hybrid Aggregation Operators and Their Application to Multiple Attribute Group Decision Making. <b>2018</b> , 20, 1567-1575	29
1023	A Novel Approach to Group Decision-Making with Interval-Valued Intuitionistic Fuzzy Preference Relations via Shapley Value. <b>2018</b> , 20, 1172-1187	13
1022	On Intuitionistic Fuzzy Copula Aggregation Operators in Multiple- Attribute Decision Making. <b>2018</b> , 10, 610-624	30
1021	Utilizing the Hierarchy Structural Fuzzy Analytical Network Process Model to Evaluate Critical Elements of Marketing Strategic Alliance Development in Mobile Telecommunication Industry. <b>2018</b> , 27, 251-284	13
1020	New exponential operational laws and their aggregation operators for interval-valued Pythagorean fuzzy multicriteria decision-making. <b>2018</b> , 33, 653-683	129
1019	Minkowski-type distance measures for generalized orthopair fuzzy sets. <b>2018</b> , 33, 802-817	95
1018	Sustainable supplier selection in intuitionistic fuzzy environment: a decision-making perspective. <b>2018</b> , 25, 545-574	38
1017	Intuitionistic Fuzzy Interval-Valued Linguistic Entropic Combined Weighted Averaging Operator for Linguistic Group Decision Making. <b>2018</b> , 33, 444-460	15
1016	Intuitive distance for intuitionistic fuzzy sets with applications in pattern recognition. <b>2018</b> , 48, 2792-2808	23

1015	Selection of sustainable urban transportation alternatives using an integrated intuitionistic fuzzy Choquet integral approach. <b>2018</b> , 58, 186-207	58
1014	Portfolio selection and risk investment under the hesitant fuzzy environment. <b>2018</b> , 144, 21-31	38
1013	Evaluation of the Human Settlement in Lhasa with Intuitionistic Fuzzy Analytic Hierarchy Process. <b>2018</b> , 20, 29-44	8
1012	Pythagorean fuzzy Bonferroni mean aggregation operator and its accelerative calculating algorithm with the multithreading. <b>2018</b> , 33, 615-633	73
1011	New hesitation-based distance and similarity measures on intuitionistic fuzzy sets and their applications. <b>2018</b> , 49, 783-799	4
1010	Several hybrid aggregation operators for triangular intuitionistic fuzzy set and their application in multi-criteria decision making. <b>2018</b> , 3, 153-168	28
1009	Method for three-way decisions using ideal TOPSIS solutions at Pythagorean fuzzy information. <b>2018</b> , 435, 282-295	153
1008	Some methods for strategic decision-making problems with immediate probabilities in Pythagorean fuzzy environment. <b>2018</b> , 33, 687-712	93
1007	Possibility–Necessity–credibility measures on generalized intuitionistic fuzzy number and their applications to multi-product manufacturing system. <b>2018</b> , 3, 285-299	14
1006	Approaches to the selection of cold chain logistics enterprises under hesitant fuzzy environment based on decision distance measures. <b>2018</b> , 3, 27-38	13
1005	Minimum deviation method for single-valued neutrosophic multiple attribute decision making with preference information on alternatives. <b>2018</b> , 1-19	5
1004	A ranking function based on principal-value Pythagorean fuzzy set in multicriteria decision making. <b>2018</b> , 33, 1717-1730	10
1003	An advanced study on the similarity measures of intuitionistic fuzzy sets based on the set pair analysis theory and their application in decision making. <b>2018</b> , 22, 4959-4970	144
1002	Decision Making Methods Based on Fuzzy Aggregation Operators: Three Decades Review from 1986 to 2017. <b>2018</b> , 17, 391-466	60
1001	A Score Function-Based Method of Forecasting Using Intuitionistic Fuzzy Time Series. <b>2018</b> , 14, 91-111	29
1000	Novel scaled prioritized intuitionistic fuzzy soft interaction averaging aggregation operators and their application to multi criteria decision making. <b>2018</b> , 71, 100-112	59
999	Models for Green Supplier Selection in Green Supply Chain Management With Pythagorean 2-Tuple Linguistic Information. <b>2018</b> , 6, 18042-18060	86
998	Linguistic Pythagorean fuzzy sets and its applications in multiattribute decision-making process. <b>2018</b> , 33, 1234-1263	195



997	The Basis and Coordinates in Intuitionistic Fuzzy Environment. <b>2018</b> , 20, 1483-1494	2
996	Some interval-valued intuitionistic fuzzy Schweizer-Bklar power aggregation operators and their application to supplier selection. <b>2018</b> , 49, 1188-1211	35
995	The $(p, q, r, l)$ model for stochastic demand under Intuitionistic fuzzy aggregation with Bonferroni mean. <b>2018</b> , 29, 1753-1771	22
994	An intuitionistic fuzzy-grey superiority and inferiority ranking method for third-party reverse logistics provider selection. <b>2018</b> , 5, 175-194	4
993	Multiple attribute decision-making method based on 2-dimension uncertain linguistic density generalized hybrid weighted averaging operator. <b>2018</b> , 22, 797-810	15
992	Projection models for multiple attribute decision making with picture fuzzy information. <b>2018</b> , 9, 713-719	143
991	. <b>2018</b> , 26, 193-202	79
990	How to select a promising enterprise for venture capitalists with prospect theory under intuitionistic fuzzy circumstance?. <b>2018</b> , 67, 756-763	38
989	A Three-Phase Method for Group Decision Making With Interval-Valued Intuitionistic Fuzzy Preference Relations. <b>2018</b> , 26, 998-1010	43
988	Approaches to Multiple Attribute Decision Making with the Intuitionistic Fuzzy Information and Their Applications to User Activities Reliability Evaluation. <b>2018</b> , 88, 89-94	5
987	A Euclidean Approach for Ranking Intuitionistic Fuzzy Values. <b>2018</b> , 26, 353-365	26
986	Some intuitionistic fuzzy Dombi Bonferroni mean operators and their application to multi-attribute group decision making. <b>2018</b> , 69, 1-24	177
985	Negations With Respect to Admissible Orders in the Interval-Valued Fuzzy Set Theory. <b>2018</b> , 26, 556-568	27
984	. <b>2018</b> , 26, 670-680	15
983	TOPSIS method based on the connection number of set pair analysis under interval-valued intuitionistic fuzzy set environment. <b>2018</b> , 37, 1319-1329	163
982	AN APPROACH TO THE PRODUCTION PLANT LOCATION SELECTION BASED ON THE USE OF THE ATANASSOV INTERVAL-VALUED INTUITIONISTIC FUZZY SETS. <b>2018</b> , 33, 835-842	5
981	Exponential operational laws and new aggregation operators of intuitionistic Fuzzy information based on Archimedean T-conorm and T-norm. <b>2018</b> , 9, 1261-1269	8
980	Pythagorean Fuzzy Maclaurin Symmetric Mean Operators in Multiple Attribute Decision Making. <b>2018</b> , 33, 1043-1070	176

979	Generalized and group-based generalized intuitionistic fuzzy soft sets with applications in decision-making. <b>2018</b> , 48, 343-356	101
978	Line Integrals of Intuitionistic Fuzzy Calculus and Their Properties. <b>2018</b> , 26, 1435-1446	13
977	Partitioned Heronian means based on linguistic intuitionistic fuzzy numbers for dealing with multi-attribute group decision making. <b>2018</b> , 62, 395-422	128
976	Pythagorean Fuzzy LINMAP Method Based on the Entropy Theory for Railway Project Investment Decision Making. <b>2018</b> , 33, 93-125	95
975	Non-linear programming method for multi-criteria decision making problems under interval neutrosophic set environment. <b>2018</b> , 48, 2199-2213	49
974	Generalized interaction aggregation operators in intuitionistic fuzzy multiplicative preference environment and their application to multicriteria decision-making. <b>2018</b> , 48, 2120-2136	23
973	Connection number of set pair analysis based TOPSIS method on intuitionistic fuzzy sets and their application to decision making. <b>2018</b> , 48, 2112-2119	107
972	New types of aggregation functions for interval-valued fuzzy setting and preservation of pos-B and nec-B-transitivity in decision making problems. <b>2018</b> , 424, 385-399	14
971	Grey Relational Analysis Method for Probabilistic Linguistic Multi-criteria Group Decision-Making Based on Geometric Bonferroni Mean. <b>2018</b> , 20, 2234-2244	55
970	Evaluating water reuse applications under uncertainty: generalized intuitionistic fuzzy-based approach. <b>2018</b> , 32, 1099-1111	13
969	Some q-Rung Orthopair Fuzzy Aggregation Operators and their Applications to Multiple-Attribute Decision Making. <b>2018</b> , 33, 259-280	404
968	The chain and substitution rules of interval-valued intuitionistic fuzzy calculus. <b>2018</b> , 17, 265-285	5
967	Some q-Rung Orthopai Fuzzy Bonferroni Mean Operators and Their Application to Multi-Attribute Group Decision Making. <b>2018</b> , 33, 315-347	221
966	Extended Intuitionistic Fuzzy Sets Based on the Hesitant Fuzzy Membership and their Application in Decision Making with Risk Preference. <b>2018</b> , 33, 417-443	17
965	A Novel Approach for Linguistic Group Decision Making Based on Generalized Interval-Valued Intuitionistic Fuzzy Linguistic Induced Hybrid Operator and TOPSIS. <b>2018</b> , 33, 288-314	28
964	Some Aggregation Operators for Linguistic Intuitionistic Fuzzy Set and its Application to Group Decision-Making Process Using the Set Pair Analysis. <b>2018</b> , 43, 3213-3227	66
963	Interval-valued fuzzy strong S-subsethood measures, interval-entropy and P-interval-entropy. <b>2018</b> , 432, 97-115	14
962	Intuitionistic fuzzy evidential power aggregation operator and its application in multiple criteria decision-making. <b>2018</b> , 49, 582-594	38

961	Factorial-Quality Scalar and an Extension of ELECTRE in Intuitionistic Fuzzy Sets. <b>2018</b> , 17, 183-207	8
960	Multiattribute group decision making based on intuitionistic 2-tuple linguistic information. <b>2018</b> , 430-431, 599-619	115
959	An Evidential Axiomatic Design Approach for Decision Making Using the Evaluation of Belief Structure Satisfaction to Uncertain Target Values. <b>2018</b> , 33, 15-32	70
958	Intuitionistic Fuzzy Power Aggregation Operator Based on Entropy and Its Application in Decision Making. <b>2018</b> , 33, 49-67	74
957	Study on the ranking problems in multiple attribute decision making based on interval-valued intuitionistic fuzzy numbers. <b>2018</b> , 33, 560-572	12
956	Some new operations over the generalized intuitionistic fuzzy sets and their application to decision-making process. <b>2018</b> , 3, 111-122	46
955	Pythagorean fuzzy power aggregation operators in multiple attribute decision making. <b>2018</b> , 33, 169-186	232
954	Extension of TOPSIS Method and its Application in Investment. <b>2018</b> , 43, 693-705	18
953	Bipolar Fuzzy Hamacher Aggregation Operators in Multiple Attribute Decision Making. <b>2018</b> , 20, 1-12	110
952	Studies of MCP-PMTs in the miniTimeCube neutrino detector. <b>2018</b> , 8, 095003	2
951	An Entropy-Based Knowledge Measure for Atanassov's Intuitionistic Fuzzy Sets and Its Application to Multiple Attribute Decision Making. <b>2018</b> , 20,	7
950	Multi parameter fuzzy soft set approach to decision making problem. <b>2018</b> , 11, 61-71	
949	Methods for Multiple Attribute Decision Making with Interval-Valued Pythagorean Fuzzy Information. <b>2018</b> , 6, 228	44
948	Applications of Hesitant Fuzzy Multi-Attribute Decision Making In the Teaching Effectiveness Evaluation of Flipped Classroom Model. <b>2018</b> , 394, 052007	
947	Some Intuitionistic Fuzzy Prioritized Interactive Einstein Choquet Operators and Their Application in Decision Making. <b>2018</b> , 6, 72357-72371	38
946	Prioritized Linguistic Interval-Valued Aggregation Operators and Their Applications in Group Decision-Making Problems. <b>2018</b> , 6, 209	12
945	Interval-Valued Pythagorean Fuzzy Maclaurin Symmetric Mean Operators in Multiple Attribute Decision Making. <b>2018</b> , 6, 67866-67884	69
944	Some Picture Fuzzy Dombi Heronian Mean Operators with Their Application to Multi-Attribute Decision-Making. <b>2018</b> , 10, 593	43

943	Methods for Multiple Attribute Group Decision Making Based on Intuitionistic Fuzzy Dombi Hamy Mean Operators. <b>2018</b> , 10, 574	79
942	Algorithm for T-Spherical Fuzzy Multi-Attribute Decision Making Based on Improved Interactive Aggregation Operators. <b>2018</b> , 10, 670	64
941	Some Interval-Valued Intuitionistic Fuzzy Dombi Hamy Mean Operators and Their Application for Evaluating the Elderly Tourism Service Quality in Tourism Destination. <b>2018</b> , 6, 294	73
940	Dynamic Intuitionistic Fuzzy Multi-Attribute Group Decision-Making Based on Power Geometric Weighted Average Operator and Prediction Model. <b>2018</b> , 10, 536	7
939	TODIM method for interval-valued Pythagorean fuzzy multiple attribute decision making. <b>2018</b> , 22, 249-259	4
938	Using Intuitionistic Fuzzy Set for Anomaly Detection of Network Traffic From Flow Interaction. <b>2018</b> , 6, 64801-64816	5
937	Research on arithmetic operations over generalized orthopair fuzzy sets. <b>2018</b> , 34, 709	9
936	Another View of Aggregation Operators on Group-Based Generalized Intuitionistic Fuzzy Soft Sets: Multi-Attribute Decision Making Methods. <b>2018</b> , 10, 753	32
935	Picture fuzzy heronian mean aggregation operators in multiple attribute decision making. <b>2018</b> , 22, 167-175	9
934	Triangular Cubic Hesitant Fuzzy Einstein Hybrid Weighted Averaging Operator and Its Application to Decision Making. <b>2018</b> , 10, 658	23
933	Assessing Customer Satisfaction of Urban Rail Transit Network in Tianjin Based on Intuitionistic Fuzzy Group Decision Model. <b>2018</b> , 2018, 1-11	8
932	Some Interval Neutrosophic Dombi Power Bonferroni Mean Operators and Their Application in Multi-Attribute Decision Making. <b>2018</b> , 10, 459	22
931	Additivity and Superadditivity in N-Person Cooperative Games with Atanassov Intuitionistic Fuzzy Expectations. <b>2018</b> , 380-391	
930	Decision-Maker's Risk Preference Based Intuitionistic Fuzzy Multiattribute Decision-Making and Its Application in Robot Enterprises Investment. <b>2018</b> , 2018, 1-6	3
929	Picture Hesitant Fuzzy Set and Its Application to Multiple Criteria Decision-Making. <b>2018</b> , 10, 295	35
928	A Network Illegal Access Detection Method Based on PSO-SVM Algorithm in Power Monitoring System. <b>2018</b> , 450-459	
927	Belief intervals aggregation. <b>2018</b> , 33, 2425-2447	5
926	Symmetric Triangular Interval Type-2 Intuitionistic Fuzzy Sets with Their Applications in Multi Criteria Decision Making. <b>2018</b> , 10, 401	33

925	New Distance Measure for Atanassov's Intuitionistic Fuzzy Sets and Its Application in Decision Making. <b>2018</b> , 10, 429	16
924	Centroid Transformations of Intuitionistic Fuzzy Values Based on Aggregation Operators. <b>2018</b> , 6, 215	26
923	Decision Making Based on Optimal Measures under Intuitionistic Fuzzy Environment. <b>2018</b> ,	
922	Geometrical aggregation of finite fuzzy sets. <b>2018</b> , 103, 248-266	2
921	New logarithmic operational laws and their applications to multiattribute decision making for single-valued neutrosophic numbers. <b>2018</b> , 52, 931-946	49
920	Some New q-Rung Orthopair Fuzzy Point-Choquet Integral Aggregation Operators and Their Application to Supplier Selection. <b>2018</b> ,	1
919	QOE Based Heterogeneous Network Selection Using Pythagorean Fuzzy Methods. <b>2018</b> , 2018, 1-11	
918	Multi-Attribute Decision-Making Based on Bonferroni Mean Operators under Cubic Intuitionistic Fuzzy Set Environment. <b>2018</b> , 20,	75
917	Complex Fuzzy Geometric Aggregation Operators. <b>2018</b> , 10, 251	33
916	Pythagorean fuzzy Hamacher Prioritized aggregation operators in multiple attribute decision making. <b>2018</b> , 35, 2229-2245	100
915	An improvement to generalized regret based decision making method considering unreasonable alternatives. <b>2018</b> , 33, 2295-2313	1
914	Definite integrals for aggregating continuous interval-valued intuitionistic fuzzy information. <b>2018</b> , 70, 875-895	10
913	Application of Dual Hesitant Fuzzy Geometric Bonferroni Mean Operators in Deciding an Energy Policy for the Society. <b>2018</b> , 2018, 1-14	7
912	Generalized score functions on interval-valued intuitionistic fuzzy sets with preference parameters for different types of decision makers and their application. <b>2018</b> , 48, 4084-4095	6
911	Similarity Measure of Complex Vague Soft Sets and Its Application to Pattern Recognition. <b>2018</b> , 20, 1901-1914	19
910	The linear assignment method for multicriteria group decision making based on interval-valued Pythagorean fuzzy Bonferroni mean. <b>2018</b> , 33, 2101-2138	23
909	A refined method of forecasting based on high-order intuitionistic fuzzy time series data. <b>2018</b> , 7, 339-350	19
908	A new type of fuzzy integrals for decision making based on bivariate symmetric means. <b>2018</b> , 33, 1660-1671	8

907	New Operators for Aggregating Intuitionistic Fuzzy Information With Their Application in Decision Making. <b>2018</b> , 6, 27214-27238	37
906	An Exponential Jensen Fuzzy Divergence Measure with Applications in Multiple Attribute Decision-Making. <b>2018</b> , 2018, 1-9	12
905	An overview of intuitionistic linguistic fuzzy information aggregations and applications. <b>2018</b> , 1, 55-78	2
904	Similarity Measures for T-Spherical Fuzzy Sets with Applications in Pattern Recognition. <b>2018</b> , 10, 193	72
903	Cubic fuzzy Einstein aggregation operators and its application to decision-making. <b>2018</b> , 49, 2385-2397	66
902	A multi-item generalized intuitionistic fuzzy inventory model with inventory level dependent demand using possibility mean, variance and covariance. <b>2018</b> , 35, 1021-1036	14
901	Some linguistic intuitionistic fuzzy Heronian mean operators based on Einstein T-norm and T-conorm and their application to decision-making. <b>2018</b> , 35, 2433-2445	8
900	Multiple attribute group decision making based on q-rung orthopair fuzzy Heronian mean operators. <b>2018</b> , 33, 2341-2363	70
899	Multiple attributes group decision making under intuitionistic fuzzy preference settings. <b>2018</b> ,	2
898	A New Group Decision Model Based on Grey-Intuitionistic Fuzzy-ELECTRE and VIKOR for Contractor Assessment Problem. <b>2018</b> , 10, 1635	45
897	Some single-valued neutrosophic dombi prioritized weighted aggregation operators in multiple attribute decision making. <b>2018</b> , 35, 2001-2013	70
896	Some hybrid weighted aggregation operators under neutrosophic set environment and their applications to multicriteria decision-making. <b>2018</b> , 48, 4871-4888	28
895	Interval valued q-rung orthopair fuzzy sets and their properties. <b>2018</b> , 35, 5225-5230	64
894	TOPSIS approach for multi-attribute decision making problems based on n-intuitionistic polygonal fuzzy sets description. <b>2018</b> , 124, 573-581	21
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892	Approaches to Multiple-Attribute Decision-Making Based on Pythagorean 2-Tuple Linguistic Bonferroni Mean Operators. <b>2018</b> , 11, 5	7
891	Approach to Evaluating Accounting Informatization Based on Entropy in Intuitionistic Fuzzy Environment. <b>2018</b> , 20,	7
890	Research on Risk Evaluation of Enterprise Human Capital Investment With Interval-Valued Bipolar 2-Tuple Linguistic Information. <b>2018</b> , 6, 35697-35712	70

889	A Novel (R,S)-Norm Entropy Measure of Intuitionistic Fuzzy Sets and Its Applications in Multi-Attribute Decision-Making. <b>2018</b> , 6, 92	10
888	Linguistic Neutrosophic Generalized Partitioned Bonferroni Mean Operators and Their Application to Multi-Attribute Group Decision Making. <b>2018</b> , 10, 160	12
887	Some Normal Intuitionistic Fuzzy Heronian Mean Operators Using Hamacher Operation and Their Application. <b>2018</b> , 10, 199	11
886	Complex intuitionistic fuzzy power aggregation operators and their applications in multicriteria decision-making. <b>2018</b> , 35, e12325	112
885	Some Interval-Valued Intuitionistic Fuzzy Zhenyuan Aggregation Operators and Their Application to Multi-Attribute Decision Making. <b>2018</b> , 26, 633-653	14
884	Incomplete interval-valued hesitant fuzzy preference relations in decision making. <b>2018</b> , 1-9	1
883	Pythagorean Fuzzy Einstein Hybrid Averaging Aggregation Operator and its Application to Multiple-Attribute Group Decision Making. <b>2018</b> , 29, 736-752	8
882	Pythagorean Hamacher fuzzy averaging operators based on intuitionistic fuzzy decision makings. <b>2018</b> ,	
881	Exponential operation and aggregation operator for q-rung orthopair fuzzy set and their decision-making method with a new score function. <b>2018</b> , 33, 2255-2282	175
880	Granularity Approach for Multi-Criteria Decision Making About Hybrid Evaluation Information. <b>2018</b> , 32, 1859020	2
879	A Novel Approach Based on Intuitionistic Fuzzy Combined Ordered Weighted Averaging Operator for Group Decision Making. <b>2018</b> , 26, 493-518	3
878	The geometric lattice intuitionistic fuzzy functions and applications. <b>2018</b> , 35, 3347-3358	2
877	An aggregation method for solving group multi-criteria decision-making problems with single-valued neutrosophic sets. <b>2018</b> , 71, 715-727	32
876	Intuitionistic fuzzy averaging Schweizer-Sklar operators based on interval-valued intuitionistic fuzzy numbers and its applications. <b>2018</b> ,	3
875	Induced interval-valued Pythagorean trapezoidal fuzzy aggregation operators based on Einstein operations and their application in group decision making. <b>2018</b> , 17, 633-659	4
874	An intuitionistic fuzzy ((delta , gamma ))-norm entropy with its application in supplier selection problem. <b>2018</b> , 37, 5624-5649	23
873	Associated immediate probability intuitionistic fuzzy aggregations in MCDM. <b>2018</b> , 123, 1-8	13
872	Intuitionistic Fuzzy Double Integrals and Their Fundamental Properties. <b>2018</b> , 26, 3782-3792	7



871	Another View on Generalized Intuitionistic Fuzzy Soft Sets and Related Multiattribute Decision Making Methods. <b>2019</b> , 27, 474-488	151
870	Multiple-Attribute Group Decision-Making Based on q-Rung Orthopair Fuzzy Power Maclaurin Symmetric Mean Operators. <b>2019</b> , 1-16	84
869	Multi-criteria decision making method based on interval-valued intuitionistic fuzzy sets. <b>2019</b> , 27, 259-276	6
868	The ordering of making microcredit loans to farmers based on the IFGIBMs. <b>2019</b> , 23, 7741-7754	
867	An approach toward decision-making and medical diagnosis problems using the concept of spherical fuzzy sets. <b>2019</b> , 31, 7041-7053	234
866	Interval-valued Pythagorean fuzzy Einstein hybrid weighted averaging aggregation operator and their application to group decision making. <b>2019</b> , 5, 41-52	13
865	Hybrid aggregation operators based on Pythagorean hesitant fuzzy sets and their application to group decision making. <b>2019</b> , 4, 469-482	23
864	Averaging aggregation operators with pythagorean trapezoidal fuzzy numbers and their application to group decision making. <b>2019</b> , 36, 1899-1915	15
863	An intuitionistic fuzzy information measure of order-((alpha , beta )) with a new approach in supplier selection problems using an extended VIKOR method. <b>2019</b> , 60, 27-50	20
862	Some Generalized Complex Intuitionistic Fuzzy Aggregation Operators and Their Application to Multicriteria Decision-Making Process. <b>2019</b> , 44, 2679-2698	83
861	Different Approaches to Multi-Criteria Group Decision Making Problems for Picture Fuzzy Environment. <b>2019</b> , 50, 373-397	111
860	Knowledge acquisition development in failure diagnosis analysis as an interactive approach. <b>2019</b> , 13, 193-210	22
859	An interval-valued exceedance method in MCDM with uncertain satisfactions. <b>2019</b> , 34, 2676-2691	13
858	A Multi-attribute Decision-Making Approach Based on Spherical Fuzzy Sets for Yunnan Baiyao R&D Project Selection Problem. <b>2019</b> , 21, 2168-2191	29
857	Generalized orthopair fuzzy weighted distance-based approximation (WDBA) algorithm in emergency decision-making. <b>2019</b> , 34, 2364-2402	24
856	A Novel Dynamic Intuitionistic Fuzzy MADM Approach. <b>2019</b> , 563, 052047	
855	A graphical method for ranking Atanassov's intuitionistic fuzzy values using the uncertainty index and entropy. <b>2019</b> , 34, 2692-2712	27
854	A cumulative belief degree approach for group decision-making problems with heterogeneous information. <b>2019</b> , 36, e12458	9



853	Fuzzy cognitive map based quality function deployment approach for dishwasher machine selection. <b>2019</b> , 83, 105660	17
852	A Dice Similarity Measure for TBM Penetrability Classification in Hard Rock Condition with the Intuitionistic Fuzzy Information of Rock Mass Properties. <b>2019</b> , 1-16	7
851	An extended C-TODIM method with linguistic intuitionistic fuzzy numbers. <b>2019</b> , 37, 3615-3627	7
850	Weighted power means of q-rung orthopair fuzzy information and their applications in multiattribute decision making. <b>2019</b> , 34, 2835-2862	15
849	Intuitionistic Trapezoidal Fuzzy MAGDM Problems with Sumudu Transform in Numerical Methods. <b>2019</b> , 8, 1-46	1
848	Spherical Fuzzy Logarithmic Aggregation Operators Based on Entropy and Their Application in Decision Support Systems. <b>2019</b> , 21,	56
847	Narrow Metric Semi-linear Space of Intuitionistic Fuzzy Numbers: Application to AIDS Model. <b>2019</b> , 21, 1738-1754	8
846	Multiattribute decision making based on power operators for linguistic intuitionistic fuzzy set using set pair analysis. <b>2019</b> , 36, e12428	14
845	Generalized Fuzzy Additive Operators on Intuitionistic Fuzzy Sets and Interval-Valued Intuitionistic Fuzzy Sets and Their Application. <b>2019</b> , 7, 45734-45743	7
844	A new matrix game with payoffs of generalized Dempster-Shafer structures. <b>2019</b> , 34, 2253-2268	10
843	Introducing a heuristic approach to enhance the reliability of system safety assessment. <b>2019</b> , 35, 2612-2638	17
842	DEA Evaluation Method Based on Interval Intuitionistic Bayesian Network and Its Application in Enterprise Logistics. <b>2019</b> , 7, 98277-98289	9
841	Child Development Influence Environmental Factors Determined Using Spherical Fuzzy Distance Measures. <b>2019</b> , 7, 661	43
840	Exponential, Logarithmic and Compensative Generalized Aggregation Operators Under Complex Intuitionistic Fuzzy Environment. <b>2019</b> , 28, 991-1050	20
839	Dual Hesitant Pythagorean Fuzzy Hamy Mean Operators in Multiple Attribute Decision Making. <b>2019</b> , 7, 86697-86716	34
838	Multiple Attribute Group Decision Making Based on 2-Tuple Linguistic Neutrosophic Dombi Power Heronian Mean Operators. <b>2019</b> , 7, 100205-100230	13
837	VIKOR method for financing risk assessment of rural tourism projects under interval-valued intuitionistic fuzzy environment. <b>2019</b> , 37, 2001-2008	66
836	Intuitionistic fuzzy transform and its application1. <b>2019</b> , 37, 1223-1232	1

835	Emergency Alternative Evaluation Using Extended Trapezoidal Intuitionistic Fuzzy Thermodynamic Approach with Prospect Theory. <b>2019</b> , 21, 1801-1817	10
834	Models for multiple attribute decision making with picture fuzzy information. <b>2019</b> , 37, 1973-1980	10
833	Model for evaluating the microdefects of textile composites with picture fuzzy information. <b>2019</b> , 37, 2035-2041	1
832	Formation mechanism of yellow soil aggregate of tea garden and quality assessments under hesitant fuzzy environment. <b>2019</b> , 37, 2067-2073	
831	Research on the evaluation of public policy execution ability with picture fuzzy information. <b>2019</b> , 37, 1659-1667	2
830	Dual hesitant bipolar fuzzy hamacher aggregation operators and their applications to multiple attribute decision making. <b>2019</b> , 37, 5755-5766	39
829	Extensions of Intuitionistic Fuzzy Geometric Interaction Operators and Their Application to Cognitive Microcredit Origination. <b>2019</b> , 11, 748-760	12
828	Picture fuzzy aggregation information based on Einstein operations and their application in decision making. <b>2019</b> , 13, 213-229	53
827	q-Rung orthopair fuzzy sets-based decision-theoretic rough sets for three-way decisions under group decision making. <b>2019</b> , 34, 3139-3167	21
826	Solving Triangular Intuitionistic Fuzzy Matrix Game by Applying the Accuracy Function Method. <b>2019</b> , 11, 1258	6
825	Divergence-based cross entropy and uncertainty measures of Atanassov's intuitionistic fuzzy sets with their application in decision making. <b>2019</b> , 84, 105703	80
824	On Generalized Intuitionistic Fuzzy Interaction Partitioned Bonferroni Mean Operators. <b>2019</b> ,	
823	Distances between Interval-valued Fuzzy Sets Taking into Account the Width of the Intervals. <b>2019</b> ,	0
822	A generalization of G-V fuzzy matroids based on intuitionistic fuzzy sets. <b>2019</b> , 37, 5049-5060	2
821	Pythagorean Dombi fuzzy aggregation operators with application in multicriteria decision-making. <b>2019</b> , 34, 3000-3019	56
820	An adaptive loop gain selection for CLEAN deconvolution algorithm. <b>2019</b> , 19, 079	1
819	SISO Intuitionistic Fuzzy Systems: IF- $\{t\}$ -Norm, IF- $\{R\}$ -Implication, and Universal Approximators. <b>2019</b> , 7, 70265-70278	6
818	Structure-based engineering of heparinase I with improved specific activity for degrading heparin. <b>2019</b> , 19, 59	3

817	Allocating Virtual Machines exploring Type-2 Fuzzy Logic and Admissible Orders. <b>2019</b> ,	2
816	Dynamic assessment method of air target threat based on improved GIFSS. <b>2019</b> , 30, 525-534	11
815	Neutrosophic cubic Heronian mean operators with applications in multiple attribute group decision-making using cosine similarity functions. <b>2019</b> , 15, 155014771987761	12
814	Multi-Attribute Multi-Perception Decision-Making Based on Generalized T-Spherical Fuzzy Weighted Aggregation Operators on Neutrosophic Sets. <b>2019</b> , 7, 780	35
813	A Real-time Intra-pulse Recognition Method of Radar Signals Based on Restricted Boltzmann Machines. <b>2019</b> , 1237, 022064	0
812	Climate-driven changes in CO <sub>2</sub> emissions associated with residential heating and cooling demand by end-century in China. <b>2019</b> , 14, 084043	2
811	CSE: Complex-Valued System With Evolutionary Algorithm. <b>2019</b> , 7, 90268-90276	3
810	Extended EDAS Methods for Multi-Criteria Group Decision-Making Based on IV-CFSWAA and IV-CFSWGA Operators With Interval-Valued Complex Fuzzy Soft Information. <b>2019</b> , 7, 105546-105561	9
809	Interval-Valued $\$q\$$ -Rung Orthopair 2-Tuple Linguistic Aggregation Operators and Their Applications to Decision Making Process. <b>2019</b> , 7, 131962-131977	19
808	BK channels regulate calcium oscillations in ventricular myocytes on different substrate stiffness. <b>2019</b> , 235, 116802	1
807	Duo-Stage Decision: A Framework for Filling Missing Values, Consistency Check, and Repair of Decision Matrices in Multicriteria Group Decision Making. <b>2019</b> , 1-13	3
806	Linguistic Intuitionistic Fuzzy Hamy Mean Operators and Their Application to Multiple-Attribute Group Decision Making. <b>2019</b> , 7, 127728-127744	16
805	Intuitionistic Fuzzy Hybrid Weighted Arithmetic Mean and Its Application in Decision Making. <b>2019</b> , 27, 353-373	5
804	MADM Based on Generalized Interval Neutrosophic Schweizer-Sklar Prioritized Aggregation Operators. <b>2019</b> , 11, 1187	2
803	Width-Based Interval-Valued Distances and Fuzzy Entropies. <b>2019</b> , 7, 14044-14057	6
802	Acquiring and Sharing Tacit Knowledge in Failure Diagnosis Analysis Using Intuitionistic and Pythagorean Assessments. <b>2019</b> , 19, 369-386	24
801	A group medical diagnosis model based on intuitionistic fuzzy soft sets. <b>2019</b> , 77, 453-466	34
800	Complex Interval-valued Intuitionistic Fuzzy Sets and their Aggregation Operators. <b>2019</b> , 164, 61-101	54

799	Novel Parameterized Score Functions on Interval-Valued Intuitionistic Fuzzy Sets With Three Fuzziness Measure Indexes and Their Application. <b>2019</b> , 7, 8172-8180	4
798	Linguistic Neutrosophic Numbers Einstein Operator and Its Application in Decision Making. <b>2019</b> , 7, 389	3
797	A Novel Decision-Making Framework for Sustainable Supplier Selection Considering Interaction among Criteria with Heterogeneous Information. <b>2019</b> , 11, 2820	7
796	Multiparametric similarity measures on Pythagorean fuzzy sets with applications to pattern recognition. <b>2019</b> , 49, 4058-4096	50
795	TOPSIS based on nonlinear-programming methodology for solving decision-making problems under cubic intuitionistic fuzzy set environment. <b>2019</b> , 38, 1	22
794	Application of the Bipolar Neutrosophic Hamacher Averaging Aggregation Operators to Group Decision Making: An Illustrative Example. <b>2019</b> , 11, 698	8
793	Bidirectional project method for dual hesitant Pythagorean fuzzy multiple attribute decision-making and their application to performance assessment of new rural construction. <b>2019</b> , 34, 1920-1934	41
792	Novel ranking method for intuitionistic fuzzy values based on information fusion. <b>2019</b> , 133, 139-152	21
791	An Evidential Aggregation Method of Intuitionistic Fuzzy Sets Based on Belief Entropy. <b>2019</b> , 7, 68905-68916	13
790	Methods for technical innovation efficiency evaluation of high-tech industry with picture fuzzy set. <b>2019</b> , 37, 1649-1657	6
789	Multi-dimensionality reputation evaluation model for C2C E-commerce in hesitant triangular fuzzy setting. <b>2019</b> , 37, 1809-1817	
788	Economic evaluation of power system dispatch with hesitant fuzzy uncertain linguistic information. <b>2019</b> , 37, 1761-1768	2
787	Study on evaluation of the foreign trade sustainable development with interval-valued intuitionistic fuzzy information. <b>2019</b> , 37, 1929-1935	3
786	Information measures for q-rung orthopair fuzzy sets. <b>2019</b> , 34, 1795-1834	99
785	Continuous interval-valued Pythagorean fuzzy aggregation operators for multiple attribute group decision making. <b>2019</b> , 36, 6245-6263	25
784	Research on the lightning disaster risk assessment of electronic information system with intuitionistic fuzzy information. <b>2019</b> , 37, 2043-2050	1
783	Research on performance evaluation of leisure agriculture supply-side structural reform with interval-valued dual hesitant fuzzy linguistic information. <b>2019</b> , 37, 1801-1808	1
782	Multi-Attribute Decision Making Based on Intuitionistic Fuzzy Power Maclaurin Symmetric Mean Operators in the Framework of Dempster-Shafer Theory. <b>2019</b> , 11, 807	2

781	Study on risk assessment of pharmaceutical distribution supply chain with bipolar fuzzy information. <b>2019</b> , 37, 2009-2017	7
780	Approach for multi-attribute decision making based on novel intuitionistic fuzzy entropy and evidential reasoning. <b>2019</b> , 135, 643-654	38
779	Fermatean fuzzy weighted averaging/geometric operators and its application in multi-criteria decision-making methods. <b>2019</b> , 85, 112-121	105
778	Some novel decision making algorithms for intuitionistic fuzzy soft set. <b>2019</b> , 37, 1327-1341	7
777	. <b>2019</b> , 7, 77008-77026	11
776	An intuitionistic fuzzy set based hybrid similarity model for recommender system. <b>2019</b> , 135, 153-163	6
775	Application of ATS-GWIFBM Operator Based on Improved Time Entropy in Green Building Projects. <b>2019</b> , 2019, 1-8	1
774	Dual Hesitant q-Rung Orthopair Fuzzy Hamacher Aggregation Operators and their Applications in Scheme Selection of Construction Project. <b>2019</b> , 11, 771	17
773	A Robust Single-Valued Neutrosophic Soft Aggregation Operators in Multi-Criteria Decision Making. <b>2019</b> , 11, 110	42
772	The Pythagorean fuzzy Einstein Choquet integral operators and their application in group decision making. <b>2019</b> , 38, 1	19
771	A normalized projection-based group decision-making method with heterogeneous decision information and application to software development effort assessment. <b>2019</b> , 49, 3587-3605	9
770	Dual Extended Hesitant Fuzzy Sets. <b>2019</b> , 11, 714	14
769	Model for evaluating the operation performance of high-tech zone technology business incubator network with pythagorean fuzzy information. <b>2019</b> , 37, 1669-1677	2
768	TODIM method for performance appraisal on social-integration-based rural reconstruction with interval-valued intuitionistic fuzzy information. <b>2019</b> , 37, 1731-1740	65
767	A New Axiomatic Approach to Interval-Valued Entropy. <b>2019</b> , 3-12	
766	Model for art effect evaluation of fashion photography with triangular intuitionistic fuzzy information. <b>2019</b> , 37, 1621-1627	2
765	Generalized Hamacher Aggregation Operators for Intuitionistic Uncertain Linguistic Sets: Multiple Attribute Group Decision Making Methods. <b>2019</b> , 10, 206	3
764	Dual Hesitant q-Rung Orthopair Fuzzy Muirhead Mean Operators in Multiple Attribute Decision Making. <b>2019</b> , 7, 67139-67166	37

763	An extended MABAC method for multi-criteria group decision-making problems based on correlative inputs of intuitionistic fuzzy information. <b>2019</b> , 38, 1	25
762	A New Multi-Criteria Assessment Model Combining GRA Techniques with Intuitionistic Fuzzy Entropy-Based TOPSIS Method for Sustainable Building Materials Supplier Selection. <b>2019</b> , 11, 2265	27
761	Interval-Valued (E_N)-functions and Similarity Measures. <b>2019</b> , 140-150	
760	Dynamic intuitionistic fuzzy multiattribute decision making based on evidential reasoning and MDIFWG operator. <b>2019</b> , 36, 5973-5987	19
759	An ordinal multi-criteria decision-making procedure under imprecise linguistic assessments. <b>2019</b> , 279, 159-167	15
758	Determinant theory for intuitionistic fuzzy matrices. <b>2019</b> , 30, 943-955	
757	New Trends in Aggregation Theory. <b>2019</b> ,	1
756	Dual Hesitant Pythagorean Fuzzy Heronian Mean Operators in Multiple Attribute Decision Making. <b>2019</b> , 7, 344	30
755	Trapezoidal Linguistic Cubic Fuzzy TOPSIS Method and Application in a Group Decision Making Program. <b>2019</b> , 29, 1283-1300	9
754	A bibliometric analysis of aggregation operators. <b>2019</b> , 81, 105488	43
753	Pythagorean cubic fuzzy aggregation information based on confidence levels and its application to multi-criteria decision making process. <b>2019</b> , 36, 5669-5683	8
752	Resolution of Max-Product Fuzzy Relation Equation with Interval-Valued Parameter. <b>2019</b> , 2019, 1-16	1
751	Logarithmic Hybrid Aggregation Operators Based on Single Valued Neutrosophic Sets and Their Applications in Decision Support Systems. <b>2019</b> , 11, 364	30
750	Heronian mean operators of linguistic neutrosophic multisets and their multiple attribute decision-making methods. <b>2019</b> , 15, 155014771984305	9
749	A Reputation-Enhanced Hybrid Approach for Supplier Selection with Intuitionistic Fuzzy Evaluation Information. <b>2019</b> , 7, 298	5
748	Methods for MADM with Picture Fuzzy Muirhead Mean Operators and Their Application for Evaluating the Financial Investment Risk. <b>2019</b> , 11, 6	83
747	Restricted Similarity Functions, Distances and Entropies with Intervals Using Total Orders. <b>2019</b> , 432-442	
746	Research on the assessment of classroom teaching quality with q-rung orthopair fuzzy information based on multiparametric similarity measure and combinative distance-based assessment. <b>2019</b> , 34, 1588-1630	61

745	Algorithm for Pythagorean Fuzzy Multi-criteria Decision Making Based on WDBA with New Score Function. <b>2019</b> , 165, 99-137	20
744	An extended MABAC method for multi-criteria group decision making based on intuitionistic fuzzy rough numbers. <b>2019</b> , 127, 241-255	38
743	Group decision-making method based on prioritized linguistic intuitionistic fuzzy aggregation operators and its fundamental properties. <b>2019</b> , 38, 1	57
742	Application of fuzzy ordered weighted geometric averaging (FOWGA) operator for project delivery system decision-making. <b>2019</b> , 23, 13297-13307	3
741	An Intuitionistic Evidential Method for Weight Determination in FMEA Based on Belief Entropy. <b>2019</b> , 21,	12
740	Lexicographic Orders of Intuitionistic Fuzzy Values and Their Relationships. <b>2019</b> , 7, 166	33
739	Some cosine similarity measures and distance measures between q-rung orthopair fuzzy sets. <b>2019</b> , 34, 1572-1587	68
738	Variable weights theory and its application to multi-attribute group decision making with intuitionistic fuzzy numbers on determining decision maker's weights. <b>2019</b> , 14, e0212636	10
737	Integrated Uncertainty in Knowledge Modelling and Decision Making. <b>2019</b> ,	1
736	Operations on Fuzzy/Intuitionistic Fuzzy Sets and Application in Decision Making. <b>2019</b> , 133-170	0
735	Interval-Valued Intuitionistic Fuzzy Multiple Attribute Group Decision Making with Uncertain Weights. <b>2019</b> , 2019, 1-9	5
734	A model for supporting designers and for determining design stakeholders' preferences. <b>2019</b> , 109-118	2
733	. <b>2019</b> ,	13
732	Intuitionistic fuzzy MULTIMOORA approach for multi-criteria assessment of the energy storage technologies. <b>2019</b> , 79, 410-423	96
731	Evaluation of Investment Policy Based on Multi-Attribute Decision-Making Using Interval Valued T-Spherical Fuzzy Aggregation Operators. <b>2019</b> , 11, 357	60
730	Some Maclaurin symmetric mean aggregation operators based on Schweizer-Sklar operations for intuitionistic fuzzy numbers and their application to decision making. <b>2019</b> , 36, 3801-3824	21
729	Emergency Alternative Selection Based on an E-IFWA Approach. <b>2019</b> , 7, 44431-44440	21
728	A New Perspective of Bayes Formula Based on DB Theory in Interval Intuitionistic Fuzzy Environment and Its Applications. <b>2019</b> , 21, 1196-1213	2

727	A discrete method based on distance measure in linguistic space and its application for CMADM problem. <b>2019</b> , 25, 1270-1289	
726	Application of Integrodifferential Equations Using Sumudu Transform in Intuitionistic Trapezoidal Fuzzy MAGDM Problems. <b>2019</b> , 13-20	
725	Linguistic Interval-Valued Atanassov Intuitionistic Fuzzy Sets and Their Applications to Group Decision Making Problems. <b>2019</b> , 27, 2302-2311	133
724	Normalized Weighted Bonferroni Harmonic Mean-Based Intuitionistic Fuzzy Operators and Their Application to the Sustainable Selection of Search and Rescue Robots. <b>2019</b> , 11, 218	10
723	Multiobjective interval linear programming in admissible-order vector space. <b>2019</b> , 486, 1-19	7
722	Pythagorean trapezoidal fuzzy geometric aggregation operators based on Einstein operations and their application in group decision making. <b>2019</b> , 36, 309-324	7
721	Group Decision Making Based on Triangular Neutrosophic Cubic Fuzzy Einstein Hybrid Weighted Averaging Operators. <b>2019</b> , 11, 180	15
720	Quantifying the complexity of subassemblies in a fully automated assembly system. <b>2019</b> , 39, 803-812	2
719	Some Generalised Einstein Hybrid Aggregation Operators and Their Application to Group Decision-making Using Pythagorean Fuzzy Numbers. <b>2019</b> , 11, 412-427	1
718	Aggregation Using Uninorms in L*-Fuzzy Set Theory for Decision-Making. <b>2019</b> ,	
717	User Experience Evaluation of Shared Bikes with Intuitionistic Fuzzy Information. <b>2019</b> ,	
716	Failure mode and effects analysis based on intuitionistic fuzzy sets and evidential correlation coefficient. <b>2019</b> ,	0
715	Method Selecting Correct One Among Alternatives Utilizing Intuitionistic Fuzzy Preference Relation Without Consensus Reaching Process. <b>2019</b> ,	3
714	A multi-criteria decision making problem based on score function of bipolar intuitionistic fuzzy soft set. <b>2019</b> ,	1
713	Multi-objective linear fractional inventory model with possibility and necessity constraints under generalised intuitionistic fuzzy set environment. <b>2019</b> , 4, 175-181	22
712	Interval Extension of the Generalized Atanassov Intuitionistic Fuzzy Index using Admissible Orders. <b>2019</b> ,	
711	Multi-Attribute Decision-Making Based on m-Polar Fuzzy Hamacher Aggregation Operators. <b>2019</b> , 11, 1498	30
710	Existence of Atanassov Intuitionistic Fuzzy Definite Integrals. <b>2019</b> ,	1



709	Multiple Attribute Group Decision Making Methods Using Numerical Methods of Intuitionistic Triangular Fuzzy Sets. <b>2019</b> , 1377, 012022	
708	Intuitionistic Fuzzy Entropy for Group Decision Making of Water Engineering Project Delivery System Selection. <b>2019</b> , 21, 1101	7
707	A Multi-Attribute Decision Making Process with Immediate Probabilistic Interactive Averaging Aggregation Operators of T-Spherical Fuzzy Sets and Its Application in the Selection of Solar Cells. <b>2019</b> , 12, 4436	31
706	Power Average Operators of Trapezoidal Cubic Fuzzy Numbers and Application to Multi-attribute Group Decision Making. <b>2019</b> , 29, 1643-1661	2
705	Generalized Cubic Intuitionistic Fuzzy Aggregation Operators Using t-Norm Operations and Their Applications to Group Decision-Making Process. <b>2019</b> , 44, 2775-2794	66
704	A Multicriteria Group Decision Making Approach for Evaluating Renewable Power Generation Sources. <b>2019</b> , 75-86	
703	A robust correlation coefficient measure of complex intuitionistic fuzzy sets and their applications in decision-making. <b>2019</b> , 49, 496-512	76
702	Assessment of concentrated solar power (CSP) technologies based on a modified intuitionistic fuzzy topsis and trigonometric entropy weights. <b>2019</b> , 140, 258-270	65
701	Multiple-attribute group decision-making based on power Bonferroni operators of linguistic q-rung orthopair fuzzy numbers. <b>2019</b> , 34, 652-689	74
700	Multiattribute group decision-making based on Pythagorean fuzzy Einstein prioritized aggregation operators. <b>2019</b> , 34, 1001-1033	27
699	Confidence soft sets and applications in supplier selection. <b>2019</b> , 127, 614-624	9
698	New similarity measure and distance measure for Pythagorean fuzzy set. <b>2019</b> , 5, 101-111	35
697	Fermatean fuzzy linguistic set and its application in multicriteria decision making. <b>2019</b> , 34, 878-894	43
696	Complex fuzzy arithmetic aggregation operators. <b>2019</b> , 36, 2765-2771	32
695	Multiple Attribute Decision-Making with Dual Hesitant Pythagorean Fuzzy Information. <b>2019</b> , 11, 193-211	45
694	Multiple-attribute decision making based on single-valued neutrosophic Schweizer-Sklar prioritized aggregation operator. <b>2019</b> , 57, 175-196	16
693	Hesitant Fuzzy Set and Its Extensions. <b>2019</b> , 1-29	
692	Assessment of Enterprise Performance Based on Picture Fuzzy Hamacher Aggregation Operators. <b>2019</b> , 11, 75	29

691	Geometric aggregation operators with interval-valued Pythagorean trapezoidal fuzzy numbers based on Einstein operations and their application in group decision making. <b>2019</b> , 10, 2867-2886	10
690	Intuitionistic Fuzzy Hamacher Aggregation Operators with Entropy Weight and Their Applications to Multi-criteria Decision-Making Problems. <b>2019</b> , 43, 597-613	52
689	Fuzzy E-covering based (I,T)-fuzzy rough set models and applications to multi-attribute decision-making. <b>2019</b> , 128, 605-621	76
688	A novel outranking based multi criteria group decision making methodology integrating ELECTRE and VIKOR under intuitionistic fuzzy environment. <b>2019</b> , 119, 36-50	79
687	Correlation and correlation coefficient of generalized orthopair fuzzy sets. <b>2019</b> , 34, 564-583	39
686	An extended technique for order preference by similarity to ideal solution group decision-making method with linguistic interval-valued intuitionistic fuzzy information. <b>2019</b> , 26, 16-26	11
685	New logarithmic operational laws and their aggregation operators for Pythagorean fuzzy set and their applications. <b>2019</b> , 34, 82-106	117
684	Some q-rung orthopair fuzzy maclaurin symmetric mean operators and their applications to potential evaluation of emerging technology commercialization. <b>2019</b> , 34, 50-81	119
683	Some novel intuitionistic fuzzy information fusion methods in decision making with interaction among attributes. <b>2019</b> , 23, 10439-10448	14
682	A New Decision-Making Method Based on Interval-Valued Linguistic Intuitionistic Fuzzy Information. <b>2019</b> , 11, 125-144	12
681	Footprint of knowledge acquisition improvement in failure diagnosis analysis. <b>2019</b> , 35, 405-422	20
680	Generalized intuitionistic fuzzy soft power aggregation operator based on t-norm and their application in multicriteria decision-making. <b>2019</b> , 34, 215-246	71
679	Intuitionistic fuzzy reducible weighted Maclaurin symmetric means and their application in multiple-attribute decision making. <b>2019</b> , 23, 10029-10043	5
678	Picture fuzzy Dombi aggregation operators: Application to MADM process. <b>2019</b> , 74, 99-109	135
677	Bipolar fuzzy Dombi aggregation operators and its application in multiple-attribute decision-making process. <b>2019</b> , 10, 3533-3549	76
676	Approaches to Multiple Attribute Group Decision Making Under Intuitionistic Fuzzy Settings: Application of Dempster-Shafer Theory of Evidence. <b>2019</b> , 44, 3719-3732	6
675	Intuitionistic Fuzzy Interaction Hamy Mean Operators and Their Application to Multi-attribute Group Decision Making. <b>2019</b> , 28, 197-232	12
674	. <b>2019</b> , 27, 1638-1647	12

673	Intuitionistic fuzzy TOPSIS multi-attribute decision making method based on revised scoring function and entropy weight method. <b>2019</b> , 36, 625-635	11
672	Score-hesitation trade-off and portfolio selection under intuitionistic fuzzy environment. <b>2019</b> , 34, 325-341	12
671	Smart medical device selection based on intuitionistic fuzzy Choquet integral. <b>2019</b> , 23, 10085-10103	25
670	Intuitionistic fuzzy linguistic clustering algorithm based on a new correlation coefficient for intuitionistic fuzzy linguistic information. <b>2019</b> , 22, 907-918	2
669	Pythagorean Fuzzy Partitioned Geometric Bonferroni Mean and Its Application to Multi-criteria Group Decision Making with Grey Relational Analysis. <b>2019</b> , 21, 115-128	22
668	Group decision making method based on hybrid aggregation operator for intuitionistic uncertain linguistic variables. <b>2019</b> , 36, 1879-1898	2
667	Generalized Intuitionistic Fuzzy Entropy-Based Approach for Solving Multi-attribute Decision-Making Problems with Unknown Attribute Weights. <b>2019</b> , 89, 129-139	34
666	Pythagorean Hesitant Fuzzy Hamacher Aggregation Operators in Multiple-Attribute Decision Making. <b>2019</b> , 28, 759-776	5
665	A decision support model for group decision making with intuitionistic fuzzy linguistic preferences relations. <b>2019</b> , 31, 1103-1124	19
664	Global Research Trends of Intuitionistic Fuzzy Set: A Bibliometric Analysis. <b>2019</b> , 28, 621-631	4
663	Pythagorean fuzzy set: state of the art and future directions. <b>2019</b> , 52, 1873-1927	164
662	An intuitionistic fuzzy factorial analysis model for multi-attribute decision-making under random environment. <b>2019</b> , 70, 81-100	7
661	A new interval-valued hesitant fuzzy pairwise comparison compromise solution methodology: an application to cross-docking location planning. <b>2019</b> , 31, 5159-5173	8
660	Some single-valued neutrosophic Bonferroni power aggregation operators in multiple attribute decision making. <b>2019</b> , 10, 863-882	52
659	Improved possibility degree method for ranking intuitionistic fuzzy numbers and their application in multiattribute decision-making. <b>2019</b> , 4, 237-247	51
658	Pythagorean fuzzy prioritized aggregation operators and their application to multi-attribute group decision making. <b>2019</b> , 4, 249-263	55
657	Vector aggregation operator and score function to solve multi-criteria decision making problem in neutrosophic environment. <b>2019</b> , 10, 1373-1383	3
656	Multiple-Attribute Decision-Making Based on Archimedean Bonferroni Operators of q-Rung Orthopair Fuzzy Numbers. <b>2019</b> , 27, 834-848	204

655	Deriving the priority weights from multiplicative consistent single-valued neutrosophic preference relations. <b>2019</b> , 31, 6659-6683	8
654	An integrated method to solve the healthcare facility layout problem under area constraints. <b>2019</b> , 37, 95-113	14
653	Linguistic intuitionistic fuzzy Hamacher aggregation operators and their application to group decision making. <b>2019</b> , 4, 109-124	41
652	Intuitionistic fuzzy divergence measure-based ELECTRE method for performance of cellular mobile telephone service providers. <b>2020</b> , 32, 3901-3921	32
651	A novel exponential distance and its based TOPSIS method for interval-valued intuitionistic fuzzy sets using connection number of SPA theory. <b>2020</b> , 53, 595-624	106
650	Covering-based intuitionistic fuzzy rough sets and applications in multi-attribute decision-making. <b>2020</b> , 53, 671-701	31
649	Intuitionistic fuzzy two-sided matching model and its application to personnel-position matching problems. <b>2020</b> , 71, 312-321	30
648	New generalised Bonferroni mean aggregation operators of complex intuitionistic fuzzy information based on Archimedean t-norm and t-conorm. <b>2020</b> , 32, 81-109	30
647	Bipolar fuzzy Dombi prioritized aggregation operators in multiple attribute decision making. <b>2020</b> , 24, 3631-3646	38
646	Robust Averaging Geometric Aggregation Operators for Complex Intuitionistic Fuzzy Sets and Their Applications to MCDM Process. <b>2020</b> , 45, 2017-2033	32
645	A new multi-criteria decision-making method based on intuitionistic fuzzy information and its application to fault detection in a machine. <b>2020</b> , 11, 739-753	22
644	Similarity between interval-valued fuzzy sets taking into account the width of the intervals and admissible orders. <b>2020</b> , 390, 23-47	23
643	New approach to multiple attribute group decision-making based on Pythagorean fuzzy Einstein hybrid geometric operator. <b>2020</b> , 5, 349-359	16
642	Pythagorean uncertain linguistic hesitant fuzzy weighted averaging operator and its application in financial group decision making. <b>2020</b> , 24, 1585-1597	2
641	Multiple attribute group decision making using J-divergence and evidential reasoning theory under intuitionistic fuzzy environment. <b>2020</b> , 32, 6311-6326	2
640	Handling higher order time series forecasting approach in intuitionistic fuzzy environment. <b>2020</b> , 7, 327-344	5
639	Maclaurin symmetric mean aggregation operators based on t-norm operations for the dual hesitant fuzzy soft set. <b>2020</b> , 11, 375-410	34
638	Fuzzy Sets and Their Extensions. <b>2020</b> , 3-23	2

637	Algorithm for solving group decision-making problems based on the similarity measures under type 2 intuitionistic fuzzy sets environment. <b>2020</b> , 24, 7361-7381	10
636	Evidential model for intuitionistic fuzzy multi-attribute group decision making. <b>2020</b> , 24, 7615-7635	16
635	A note on novel scaled prioritized intuitionistic fuzzy soft interaction averaging aggregation operators and their application to multi criteria decision making <b>2020</b> , 87, 103287	2
634	Iterative Algorithms to Manage the Consistency and Consensus for Group Decision-Making With Hesitant Multiplicative Preference Relations. <b>2020</b> , 28, 2944-2957	8
633	Novel aggregation operators and ranking method for complex intuitionistic fuzzy sets and their applications to decision-making process. <b>2020</b> , 53, 3595-3620	39
632	Multiattribute decision making based on the binary connection number in set pair analysis under an interval-valued intuitionistic fuzzy set environment. <b>2020</b> , 24, 7801-7809	8
631	Pythagorean fuzzy multi-criteria decision making method based on CODAS with new score function. <b>2020</b> , 38, 3307-3318	12
630	Multiattribute group decision making based on intuitionistic fuzzy partitioned Maclaurin symmetric mean operators. <b>2020</b> , 512, 830-854	61
629	Interval Sugeno Integral With Preference. <b>2020</b> , 28, 597-601	5
628	A novel possibility measure to interval-valued intuitionistic fuzzy set using connection number of set pair analysis and its applications. <b>2020</b> , 32, 3337-3348	39
627	Power Geometric Aggregation Operators Based on Connection Number of Set Pair Analysis Under Intuitionistic Fuzzy Environment. <b>2020</b> , 45, 2049-2063	14
626	Envelopment Analysis, Preference Fusion, and Membership Improvement of Intuitionistic Fuzzy Numbers. <b>2020</b> , 28, 2119-2130	8
625	Possibility degree and divergence degree based method for interval-valued intuitionistic fuzzy multi-attribute group decision making. <b>2020</b> , 141, 112929	24
624	. <b>2020</b> , 35, 6-17	18
623	Limit Theory and Differential Calculus of Intuitionistic Fuzzy Functions With Several Variables. <b>2020</b> , 28, 3367-3375	3
622	Parameterized utility functions on interval-valued intuitionistic fuzzy numbers with two kinds of entropy and their application in multi-criteria decision making. <b>2020</b> , 24, 4667-4674	2
621	Pythagorean fuzzy MCDM method based on CoCoSo and CRITIC with score function for 5G industry evaluation. <b>2020</b> , 53, 3813-3847	55
620	Choquet integrals of weighted generalized and group generalized intuitionistic fuzzy soft sets. <b>2020</b> , 24, 745-760	1

619	An improved evidential DEMATEL identify critical success factors under uncertain environment. <b>2020</b> , 11, 3659-3669	1
618	Interval-valued fuzzy reasoning algorithms based on Schweizer-Sklar t-norms and its application. <b>2020</b> , 87, 1033-13	6
617	Modeling evacuation route choices under influence of variable message signs. <b>2020</b> , 35, 793-817	1
616	Confidence levels q-rung orthopair fuzzy aggregation operators and its applications to MCDM problems. <b>2020</b> , 35, 125-149	27
615	Multiple-Valued Neutrosophic Uncertain Linguistic Sets With Dombi Normalized Weighted Bonferroni Mean Operator and Their Applications in Multiple Attribute Decision Making Problem. <b>2020</b> , 8, 5906-5927	4
614	Generalized Geometric Aggregation Operators Based on T-Norm Operations for Complex Intuitionistic Fuzzy Sets and Their Application to Decision-making. <b>2020</b> , 12, 679-698	21
613	The induced generalized interval-valued intuitionistic fuzzy Einstein hybrid geometric aggregation operator and their application to group decision-making. <b>2020</b> , 38, 1737-1752	3
612	Multi-criteria decision-making after life cycle sustainability assessment under hybrid information. <b>2020</b> , 269-289	1
611	A Divergence-Based Distance Measure for Intuitionistic Fuzzy Sets and Its Application in the Decision-Making of Innovation Management. <b>2020</b> , 8, 1105-1117	5
610	Novel Approach of Obtaining Dynamic Multi-attribute Weight for Intuitionistic Fuzzy Environment Based on Fractional Integrals. <b>2020</b> , 22, 242-256	5
609	Aggregation of infinite chains of intuitionistic fuzzy sets and their application to choices with temporal intuitionistic fuzzy information. <b>2020</b> , 514, 106-117	53
608	Multiple-attribute decision making problems based on SVTNH methods. <b>2020</b> , 11, 3717-3733	26
607	Maximizing deviation method for multiple attribute decision making under q-rung orthopair fuzzy environment. <b>2020</b> , 16, 1073-1087	18
606	Some power Heronian mean operators in multiple attribute decision-making based on q-rung orthopair hesitant fuzzy environment. <b>2020</b> , 32, 909-937	19
605	A simplified neutrosophic multiplicative set-based TODIM using water-filling algorithm for the determination of weights. <b>2020</b> , 37, e12515	12
604	Probabilistic linguistic information fusion: A survey on aggregation operators in terms of principles, definitions, classifications, applications, and challenges. <b>2020</b> , 35, 529-556	33
603	Linguistic Interval-Valued Pythagorean Fuzzy Sets and Their Application to Multiple Attribute Group Decision-making Process. <b>2020</b> , 12, 1313-1337	52
602	A proposal of the notions of ordered and strengthened ordered directional monotonicity for interval-valued functions based on admissible orders. <b>2020</b> ,	1

601	Application of similarity measures with uncertainty in classification methods. <b>2020,</b>	3
600	Evaluation of Enterprise Production Based on Spherical Cubic Hamacher Aggregation Operators. <b>2020, 8, 1761</b>	6
599	A modified interval valued intuitionistic fuzzy CODAS method and its application to multi-criteria selection among renewable energy alternatives in Turkey. <b>2020, 96, 106660</b>	22
598	Representing uncertainty about fuzzy membership grade. <b>2020, 24, 12691-12707</b>	2
597	Decision-making model under complex picture fuzzy Hamacher aggregation operators. <b>2020, 39, 1</b>	36
596	A novel portfolio selection with prospect value constraint and distance measure of IFSs based on the improved entropy-weighted method. <b>2020, 39, 3519-3543</b>	1
595	On admissible orders over closed subintervals of $[0,1]$ . <b>2020, 399, 44-54</b>	5
594	Functors between categories of intuitionistic fuzzy spaces. <b>2020, 3, 145</b>	
593	Decision making method for evaluating logistics companies based on the ordered representation of the polygonal fuzziness1. <b>2020, 39, 3151-3166</b>	2
592	Group decision making method for residents to choose livable cities depicted by n-intuitionistic polygonal fuzzy sets1. <b>2020, 39, 3503-3518</b>	1
591	Extension of Einstein geometric operators to multi-attribute decision making under q-rung orthopair fuzzy information. <b>2020, 6, 779</b>	13
590	m-polar Neutrosophic Generalized Weighted and m-polar Neutrosophic Generalized Einstein Weighted Aggregation Operators to Diagnose Coronavirus (COVID-19). <b>2020, 39, 7381-7401</b>	9
589	Minkowski Weighted Score Functions of Intuitionistic Fuzzy Values. <b>2020, 8, 1143</b>	7
588	Assessing technology portfolios of clean energy-driven desalination-irrigation systems with interval-valued intuitionistic fuzzy sets. <b>2020, 132, 109950</b>	19
587	Extensions of Dombi Aggregation Operators for Decision Making under m-Polar Fuzzy Information. <b>2020, 2020, 1-20</b>	13
586	Research on Evaluating Algorithms for the Service Quality of Wireless Sensor Networks Based on Interval-Valued Intuitionistic Fuzzy EDAS and CRITIC Methods. <b>2020, 2020, 1-12</b>	5
585	. <b>2020, 8, 186572-186584</b>	2
584	Generalized intuitionistic fuzzy aggregation operators based on confidence levels for group decision making. <b>2020, 6, 867</b>	7



583	Bipolar Neutrosophic Dombi Aggregation Operators With Application in Multi-Attribute Decision Making Problems. <b>2020</b> , 8, 156600-156614	8
582	Green supplier selection in steel industry with intuitionistic fuzzy Taxonomy method. <b>2020</b> , 39, 7247-7258	26
581	Induced generalized pythagorean fuzzy aggregation operators and their application based on t-norm and t-conorm. <b>2020</b> , 6, 887	4
580	An Integrated Approach for Fuzzy-Dynamic Multi-Attribute Group Decision Making With Application in Renewable Energy. <b>2020</b> , 8, 145092-145106	2
579	Consistency Analysis and Priorities Deriving for Pythagorean Fuzzy Preference Relation in the Computing in Memory <b>2020</b> , 8, 156972-156985	2
578	Interval-Valued Complex Fuzzy Geometric Aggregation Operators and Their Application to Decision Making. <b>2020</b> , 2020, 1-10	2
577	Intuitionistic Fuzzy Sets in Multi-Criteria Group Decision Making Problems Using the Characteristic Objects Method. <b>2020</b> , 12, 1382	26
576	The Extension of TOPSIS Method for Multi-Attribute Decision-Making With q-Rung Orthopair Hesitant Fuzzy Sets. <b>2020</b> , 8, 165151-165167	11
575	Evaluation of the COVID-19 Pandemic Intervention Strategies with Hesitant F-AHP. <b>2020</b> , 2020, 8835258	20
574	Decision making based on linguistic interval-valued intuitionistic neutrosophic Dombi fuzzy hybrid weighted geometric operator. <b>2020</b> , 24, 15907-15925	3
573	Bases of G-V Intuitionistic Fuzzy Matroids. <b>2020</b> , 8, 1392	
572	Decision-Making Analysis Based on Fermatean Fuzzy Yager Aggregation Operators with Application in COVID-19 Testing Facility. <b>2020</b> , 2020, 1-16	45
571	A satisfaction degree of D numbers and its application in multi-criteria decision making. <b>2020</b> ,	0
570	A majority rule-based measure for Atanassov type intuitionistic membership grades in MCDM. <b>2020</b> , 1-1	3
569	Improved Possibility Degree Method for Intuitionistic Fuzzy Multi-Attribute Decision Making and Application in Aircraft Cockpit Display Ergonomic Evaluation. <b>2020</b> , 8, 202540-202554	1
568	A PROMETHEE II Method Based on Regret Theory Under the Probabilistic Linguistic Environment. <b>2020</b> , 8, 228255-228263	10
567	Multicriteria Group Decision Making Approach for Evaluating the Performance of FinTech Projects. <b>2020</b> ,	1
566	Decision Support Technique Based on Neutrosophic Yager Aggregation Operators: Application in Solar Power Plant Locations Case Study of Bahawalpur, Pakistan. <b>2020</b> , 2020, 1-21	1



565	Concept of Yager operators with the picture fuzzy set environment and its application to emergency program selection. <b>2020</b> , 13, 455-483	25
564	A new method to measure the knowledge amount of Atanassov's intuitionistic fuzzy sets. <b>2020</b> ,	0
563	Dombi Interval-Valued Hesitant Fuzzy Aggregation Operators for Information Security Risk Assessment. <b>2020</b> , 2020, 1-15	2
562	Hesitant Fuzzy Linguistic Hamy Mean Aggregation Operators and Their Application to Linguistic Multiple Attribute Decision-Making. <b>2020</b> , 2020, 1-22	5
561	Multiple attribute decision making using improved intuitionistic fuzzy weighted geometric operators of intuitionistic fuzzy values. <b>2020</b> , 535, 242-253	28
560	Exponential operational laws and new aggregation operators for intuitionistic multiplicative set in multiple-attribute group decision making process. <b>2020</b> , 538, 245-272	21
559	Generalized Intuitionistic Multiplicative Fuzzy Calculus Theory and Applications. <b>2020</b> ,	
558	Some T-Spherical Fuzzy Einstein Interactive Aggregation Operators and Their Application to Selection of Photovoltaic Cells. <b>2020</b> , 2020, 1-16	16
557	Blockchain Service Provider Selection Based on an Integrated BWM-Entropy-TOPSIS Method Under an Intuitionistic Fuzzy Environment. <b>2020</b> , 8, 104148-104164	17
556	Multiattribute decision making based on U-quadratic distribution of intervals and the transformed matrix in interval-valued intuitionistic fuzzy environments. <b>2020</b> , 537, 30-45	18
555	New ranking method for normal intuitionistic sets under crisp, interval environments and its applications to multiple attribute decision making process. <b>2020</b> , 6, 559-571	19
554	Intuitionistic 2-tuple linguistic aggregation information based on Einstein operations and their applications in group decision making. <b>2020</b> , 53, 4625-4650	7
553	A new method of time series forecasting using intuitionistic fuzzy set based on average-length. <b>2020</b> , 37, 175-185	1
552	Selecting the Low-Carbon Tourism Destination: Based on Pythagorean Fuzzy Taxonomy Method. <b>2020</b> , 8, 832	22
551	Some Construction Methods of Aggregation Operators in Decision-Making Problems: An Overview. <b>2020</b> , 12, 694	4
550	Multiple attribute group decision making based on 2-dimension linguistic intuitionistic fuzzy aggregation operators. <b>2020</b> , 24, 17377-17400	13
549	TOPSIS Evaluation System of Logistics Transportation Based on an Ordered Representation of the Polygonal Fuzzy Set. <b>2020</b> , 22, 1565-1581	5
548	Cumulative Prospect Theory: Performance Evaluation of Government Purchases of Home-Based Elderly-Care Services Using the Pythagorean 2-tuple Linguistic TODIM Method. <b>2020</b> , 17,	26

547	An EDAS Method for Multiple Attribute Group Decision-Making under Intuitionistic Fuzzy Environment and Its Application for Evaluating Green Building Energy-Saving Design Projects. <b>2020</b> , 12, 484	25
546	New multicriteria group decision support systems for small hydropower plant locations selection based on intuitionistic cubic fuzzy aggregation information. <b>2020</b> , 35, 983-1020	27
545	Fuzzy Decision Support Modeling for Hydrogen Power Plant Selection Based on Single Valued Neutrosophic Sine Trigonometric Aggregation Operators. <b>2020</b> , 12, 298	18
544	Property valuation based on Choquet integral. <b>2020</b> , 39, 1	3
543	Enhancing PROMETHEE method with intuitionistic fuzzy soft sets. <b>2020</b> , 35, 1071-1104	54
542	Extension of multi-Moora method with some q-rung orthopair fuzzy Dombi prioritized weighted aggregation operators for multi-attribute decision making. <b>2020</b> , 24, 18545-18563	10
541	An Algorithm for Fuzzy Negations Based-Intuitionistic Fuzzy Copula Aggregation Operators in Multiple Attribute Decision Making. <b>2020</b> , 13, 154	1
540	Interval-Valued q-Rung Orthopair Fuzzy Weighted Geometric Aggregation Operator and its Application to Multiple Criteria Decision-Making*. <b>2020</b> ,	1
539	q-Rung Orthopair Fuzzy Prioritized Aggregation Operators and Their Application Towards Green Supplier Chain Management. <b>2020</b> , 12, 976	30
538	The Renewable Energy Source Selection by Remoteness Index-Based VIKOR Method for Generalized Intuitionistic Fuzzy Soft Sets. <b>2020</b> , 12, 977	15
537	Multiple-Valued Picture Fuzzy Linguistic Set Based on Generalized Heronian Mean Operators and Their Applications in Multiple Attribute Decision Making. <b>2020</b> , 8, 86272-86295	5
536	Aesthetic evaluation of poetry translation based on the perspective of Xu Yuanchong's poetry translation theories with intuitionistic fuzzy information. <b>2020</b> , 23, 303-309	0
535	. <b>2020</b> , 1-1	8
534	Extensions of prioritized weighted aggregation operators for decision-making under complex q-rung orthopair fuzzy information. <b>2020</b> , 39, 7469-7493	21
533	Another View on Intuitionistic Fuzzy Preference Relation-Based Aggregation Operators and Their Applications. <b>2020</b> , 22, 1786-1800	4
532	Generalized dice similarity measures for q-rung orthopair fuzzy sets with applications. <b>2020</b> , 6, 545-558	14
531	A hybrid decision-making model under q-rung orthopair fuzzy Yager aggregation operators. <b>2020</b> , 6, 763	22
530	Linguistic Z-number weighted averaging operators and their application to portfolio selection problem. <b>2020</b> , 15, e0227307	6

529	Some Interval-Valued Intuitionistic Fuzzy Dombi Heronian Mean Operators and their Application For Evaluating the Ecological Value of Forest Ecological Tourism Demonstration Areas. <b>2020</b> , 17,	42
528	Multiple Attribute Group Decision Making Method Based on Intuitionistic Fuzzy Einstein Interactive Operations. <b>2020</b> , 22, 790-809	19
527	Pythagorean linguistic preference relations and their applications to group decision making using group recommendations based on consistency matrices and feedback mechanism. <b>2020</b> , 35, 826-849	8
526	Constructing interval-valued generalized partitioned Bonferroni mean operator with several extensions for MAGDM. <b>2020</b> , 32, 13537-13564	1
525	Generalized Single-Valued Neutrosophic Power Aggregation Operators Based on Archimedean Copula and Co-Copula and Their Application to Multi-Attribute Decision-Making. <b>2020</b> , 8, 35496-35519	5
524	Emergency alternative evaluation under group decision makers: a new method based on entropy weight and DEMATEL. <b>2020</b> , 51, 570-583	9
523	A new picture fuzzy information measure based on Tsallis-Havrda-Chavrat concept with applications in presaging poll outcome. <b>2020</b> , 39, 1	16
522	Interval-valued intuitionistic fuzzy envelopment analysis and preference fusion. <b>2020</b> , 142, 106361	5
521	Development of Archimedean t-norm and t-conorm-based interval-valued dual hesitant fuzzy aggregation operators with their application in multicriteria decision making. <b>2020</b> , 2, e12106	1
520	Decision-Making Approach under Pythagorean Fuzzy Yager Weighted Operators. <b>2020</b> , 8, 70	36
519	On some pseudometrics in the intuitionistic fuzzy environment. <b>2020</b> , 1	0
518	Evaluation of the Performance of Search and Rescue Robots Using T-spherical Fuzzy Hamacher Aggregation Operators. <b>2020</b> , 22, 570-582	54
517	An Extended Intuitionistic Fuzzy Cognitive Map via Dempster-Shafer Theory. <b>2020</b> , 8, 23186-23196	1
516	Basic theory of line integrals under the q-rung orthopair fuzzy environment and their applications. <b>2020</b> , 35, 1163-1199	3
515	Multicriteria Group Decision-Making for Supplier Selection Based on Intuitionistic Cubic Fuzzy Aggregation Operators. <b>2020</b> , 22, 810-823	11
514	Multiple-criteria decision making method based on the scaled prioritized operators with unbalanced linguistic information. <b>2020</b> , 53, 4967-4991	5
513	Interval-Valued Pythagorean Hesitant Fuzzy Set and Its Application to Multiattribute Group Decision-Making. <b>2020</b> , 2020, 1-26	10
512	Divergence Measure of T-Spherical Fuzzy Sets and its Applications in Pattern Recognition. <b>2020</b> , 8, 10208-10221	17

511	A multiple attribute decision making three-way model for intuitionistic fuzzy numbers. <b>2020</b> , 119, 177-203	55
510	Multiple attribute group decision-making based on order- $\beta$ divergence and entropy measures under q-rung orthopair fuzzy environment. <b>2020</b> , 35, 718-750	31
509	Some picture fuzzy Bonferroni mean operators with their application to multicriteria decision making. <b>2020</b> , 35, 625-649	18
508	q-Rung orthopair fuzzy soft average aggregation operators and their application in multicriteria decision-making. <b>2020</b> , 35, 571-599	43
507	A novel decision-making method using R-Norm concept and VIKOR approach under picture fuzzy environment. <b>2020</b> , 147, 113228	38
506	Multiple attribute decision making based on q-rung orthopair fuzzy generalized Maclaurin symmetric mean operators. <b>2020</b> , 518, 181-210	41
505	A group risk assessment approach for the selection of pharmaceutical product shipping lanes. <b>2020</b> , 229, 107774	15
504	The Generalized Neutrosophic Cubic Aggregation Operators and Their Application to Multi-Expert Decision-Making Method. <b>2020</b> , 12, 496	3
503	Multi-UUV Cooperative Dynamic Maneuver Decision-Making Algorithm Using Intuitionistic Fuzzy Game Theory. <b>2020</b> , 2020, 1-11	3
502	Pythagorean fuzzy ordered weighted averaging aggregation operator and their application to multiple attribute group decision-making. <b>2020</b> , 8, 61-77	5
501	New q-Rung Orthopair Fuzzy Bonferroni Mean Dombi Operators and Their Application in Multiple Attribute Decision Making. <b>2020</b> , 8, 50587-50610	8
500	Algorithms Based on COPRAS and Aggregation Operators with New Information Measures for Possibility Intuitionistic Fuzzy Soft Decision-Making. <b>2020</b> , 2020, 1-20	10
499	Power Aggregation Operators and VIKOR Methods for Complex q-Rung Orthopair Fuzzy Sets and Their Applications. <b>2020</b> , 8, 538	50
498	Risk assessment of water inrush in tunnels based on attribute interval recognition theory. <b>2020</b> , 27, 517-530	5
497	Some novel aggregation operators for cubic picture fuzzy information: application in multi-attribute decision support problem. <b>2021</b> , 6, 603-618	4
496	Approach for Establishing Intuitionistic Fuzzy Linear Regression Models Based on Weakest T-Norm Arithmetic. <b>2021</b> , 29, 1431-1445	2
495	An optimization study based on Dijkstra algorithm for a network with trapezoidal picture fuzzy numbers. <b>2021</b> , 33, 1329-1342	23
494	Q-Rung Orthopair Fuzzy Integrals in the Frame of Continuous Archimedean T-Norms and T-Conorms and Their Application. <b>2021</b> , 29, 996-1007	10

493	A comprehensive group decision-making method with interval-valued intuitionistic fuzzy preference relations. <b>2021</b> , 25, 343-362	6
492	Interval-valued intuitionistic fuzzy parameterized interval-valued intuitionistic fuzzy soft sets and their application in decision-making. <b>2021</b> , 12, 1541-1558	16
491	A series of generalized induced Einstein aggregation operators and their application to group decision-making process based on Pythagorean fuzzy numbers. <b>2021</b> , 6, 241-254	7
490	Consistency Comparison Analysis of Decision Making With Intuitionistic Fuzzy Preference Relations. <b>2021</b> , 68, 926-940	4
489	Knowledge measure for the q-rung orthopair fuzzy sets. <b>2021</b> , 36, 628-655	30
488	Relative-distance-based approaches for ranking intuitionistic fuzzy values. <b>2021</b> , 54, 3089-3114	2
487	Series based on the new order in intuitionistic fuzzy environment. <b>2021</b> , 40, 319-330	1
486	A random intuitionistic fuzzy factor analysis model for complex multi-attribute large group decision-making in dynamic environments. <b>2021</b> , 20, 101-127	3
485	Complex interval-valued intuitionistic fuzzy TODIM approach and its application to group decision making. <b>2021</b> , 12, 2079-2102	14
484	Multi-attribute decision making using q-rung orthopair fuzzy weighted fairly aggregation operators. <b>2021</b> , 12, 8149-8171	9
483	Improved TODIM method for intuitionistic fuzzy MAGDM based on cumulative prospect theory and its application on stock investment selection. <b>2021</b> , 12, 891-901	30
482	Complex Pythagorean Dombi fuzzy operators using aggregation operators and their decision-making. <b>2021</b> , 38, e12626	15
481	Multi-criteria decision support systems based on linguistic intuitionistic cubic fuzzy aggregation operators. <b>2021</b> , 12, 8285-8303	7
480	Group decision-making for the selection of an antivirus mask under fermatean fuzzy soft information. <b>2021</b> , 40, 1401-1416	17
479	A variable weight-based hybrid approach for multi-attribute group decision making under interval-valued intuitionistic fuzzy sets. <b>2021</b> , 36, 1015-1052	65
478	Suppliers selection based on intuitionistic fuzzy dimensional analysis. <b>2021</b> , 40, 1805-1815	
477	The context-based distance measure for intuitionistic fuzzy set with application in marine energy transportation route decision making. <b>2021</b> , 101, 107044	9
476	On an order-based multivariate median. <b>2021</b> , 414, 70-84	1

475	Generalized Maclaurin symmetric mean aggregation operators based on Archimedean t-norm of the intuitionistic fuzzy soft set information. <b>2021</b> , 54, 3173-3213	14
474	A new possibility degree measure for interval-valued q-rung orthopair fuzzy sets in decision-making. <b>2021</b> , 36, 526-557	64
473	Algorithms for complex interval-valued q-rung orthopair fuzzy sets in decision making based on aggregation operators,AHP,andTOPSIS. <b>2021</b> , 38,	26
472	A novel q-rung orthopair fuzzy TODIM approach for multi-criteria group decision making based on Shapley value and relative entropy. <b>2021</b> , 40, 235-250	5
471	Uncertain database retrieval with measure IBased belief function attribute values under intuitionistic fuzzy set. <b>2021</b> , 546, 436-447	34
470	Multi-criteria Decision-Making Model Using Complex Pythagorean Fuzzy Yager Aggregation Operators. <b>2021</b> , 46, 1691-1717	14
469	Intuitionistic interval-valued hesitant fuzzy matrix games with a new aggregation operator for solving management problem. <b>2021</b> , 6, 359-375	13
468	Aggregation operators on cubic linguistic hesitant fuzzy numbers and their application in group decision-making. <b>2021</b> , 6, 303-320	6
467	Intuitionistic fuzzy Dombi aggregation operators and their application to multiple attribute decision-making. <b>2021</b> , 6, 473-488	30
466	A New Consensus Model Based on Trust Interactive Weights for Intuitionistic Group Decision Making in Social Networks. <b>2021</b> , PP,	3
465	Intuitionistic Fuzzy MADM Based on PT. <b>2021</b> , 17-29	
464	Prospect Theory based Hesitant Fuzzy Multi-Criteria Decision Making for Low Sulphur Fuel of Maritime Transportation. <b>2021</b> , 66, 1511-1528	3
463	Isomorphic Operators and Ranking Methods for Pythagorean and Intuitionistic Fuzzy Sets. <b>2021</b> , 107-144	
462	Multi-criteria decision making approach based on SVTrN Dombi aggregation functions. <b>2021</b> , 54, 3685-3723	19
461	Innovative q-rung orthopair fuzzy prioritized aggregation operators based on priority degrees with application to sustainable energy planning: A case study of Gwadar. <b>2021</b> , 6, 12795-12831	2
460	Medical Waste Treatment Station Selection Based on Linguistic q-Rung Orthopair Fuzzy Numbers. <b>2021</b> , 129, 117-148	2
459	T-norms and T-conorms hesitant fuzzy Einstein aggregation operator and its application to decision making. <b>2021</b> , 25, 47-71	0
458	GSES Based on Intuitionistic Fuzzy VIKOR Method. <b>2021</b> , 67-85	

457	Multi-criteria decision making method based on Bonferroni mean aggregation operators of complex intuitionistic fuzzy numbers. <b>2021</b> , 17, 2279	10
456	EDAS Method for Multi-Criteria Group Decision Making Based on Intuitionistic Fuzzy Rough Aggregation Operators. <b>2021</b> , 9, 10199-10216	21
455	Multi-criteria decision making process based on some single-valued neutrosophic Dombi power aggregation operators. <b>2021</b> , 25, 5055	14
454	TODIM Method for Interval-Valued Pythagorean Fuzzy MAGDM Based on Cumulative Prospect Theory and Its Application to Green Supplier Selection. <b>2021</b> , 46, 1899-1910	17
453	T-spherical fuzzy power aggregation operators and their applications in multi-attribute decision making. <b>2021</b> , 12, 1-14	26
452	Group Decisions with Intuitionistic Fuzzy Sets. <b>2021</b> , 977-995	0
451	Power Aggregation Operators and Similarity Measures Based on Improved Intuitionistic Hesitant Fuzzy Sets and their Applications to Multiple Attribute Decision Making. <b>2021</b> , 126, 1165-1187	10
450	Picture Fuzzy Geometric Aggregation Operators Based on a Trapezoidal Fuzzy Number and Its Application. <b>2021</b> , 13, 119	4
449	Some Geometric Aggregation Operators Under q-Rung Orthopair Fuzzy Soft Information With Their Applications in Multi-Criteria Decision Making. <b>2021</b> , 9, 31975-31993	9
448	. <b>2021</b> , 1-1	6
447	A novel aggregation method for generating Pythagorean fuzzy numbers in multiple criteria group decision making: An application to materials selection. <b>2021</b> , 8, 1905230	
446	An improved lasso regression model for evaluating the efficiency of intervention actions in a system reliability analysis. <b>2021</b> , 33, 7913-7928	15
445	Generalized Hamacher Aggregation Operators Based on Linear Diophantine Uncertain Linguistic Setting and Their Applications in Decision-Making Problems. <b>2021</b> , 9, 126748-126764	3
444	On Admissible Orders on the Set of Discrete Fuzzy Numbers for Application in Decision Making Problems. <b>2021</b> , 9, 95	1
443	Extended bipolar fuzzy EDAS approach for multi-criteria group decision-making process. <b>2021</b> , 40, 1	16
442	A Thermodynamic Method for Intuitionistic Fuzzy Decision Making. <b>2021</b> , 25-43	
441	Bipolar Pythagorean Fuzzy Sets and Their Application in Multi-attribute Decision Making Problems. 1	5
440	Simple noncooperative games with intuitionistic fuzzy information and application in ecological management. <b>2021</b> , 51, 6685-6697	2



439	Pythagorean Fuzzy TODIM Method Based on the Cumulative Prospect Theory for MAGDM and Its Application on Risk Assessment of Science and Technology Projects. <b>2021</b> , 23, 1027-1041	25
438	A Novel Approach Based on Sine Trigonometric Picture Fuzzy Aggregation Operators and Their Application in Decision Support System. <b>2021</b> , 2021, 1-19	7
437	Novel score functions of generalized orthopair fuzzy membership grades with application to multiple attribute decision making. <b>2022</b> , 1	24
436	Algorithm for T-spherical fuzzy MADM based on associated immediate probability interactive geometric aggregation operators. 1	16
435	Decision making under measure-based granular uncertainty with intuitionistic fuzzy sets. <b>2021</b> , 51, 1-10	14
434	Cubic fuzzy Heronian mean Dombi aggregation operators and their application on multi-attribute decision-making problem. <b>2021</b> , 25, 4175-4189	12
433	Complex intuitionistic fuzzy preference relations and their applications in individual and group decision-making problems. <b>2021</b> , 36, 1800-1830	15
432	Sezgisel Bulan EDAS (SB-EDAS) Yöntemi ile Finansal Performans Değerlendirme: BBT Perakende Ticaret Sektöründe Bir Uygulama. 235-251	2
431	A NEW PERSPECTIVE ON EVALUATION SYSTEM IN EDUCATION WITH INTUITIONISTIC FUZZY LOGIC AND PROMETHEE ALGORITHM.	1
430	A Cognitive Information-Based Decision-Making Algorithm Using Interval-Valued q-Rung Picture Fuzzy Numbers and Heronian Mean Operators. <b>2021</b> , 13, 357-380	3
429	IF-MABAC Method for Evaluating the Intelligent Transportation System with Intuitionistic Fuzzy Information. <b>2021</b> , 2021, 1-10	
428	An Approach to Select the Investment Based on Bipolar Picture Fuzzy Sets. <b>2021</b> , 23, 2335	5
427	Application of multi-attribute group decision-making methods in urban road traffic safety evaluation with interval-valued intuitionistic fuzzy information. <b>2021</b> , 40, 5337-5346	1
426	Representation and Aggregation of Multi-source Information of Modern Smart Cities Based on the Intuitionistic Polygonal Fuzzy Set. <b>2021</b> , 23, 967-983	3
425	Selecting the Appropriate Carbon Source in the Synthesis of SiC Nano-Powders Using an Optimized Fuzzy Model. 1	1
424	CN- q-ROFS: Connection number-based q-rung orthopair fuzzy set and their application to decision-making process. <b>2021</b> , 36, 3106-3143	44
423	Multi-attribute group decision making based on sine trigonometric spherical fuzzy aggregation operators. 1	1
422	A new decision-making model using complex intuitionistic fuzzy Hamacher aggregation operators. <b>2021</b> , 25, 7059-7086	17



421	Intuitionistic fuzzy scale-invariant entropy with correlation coefficients-based VIKOR approach for multi-criteria decision-making. 1	2
420	Interval-valued equivalence measures respecting uncertainty in image processing. <b>2021</b> , 36, 2767-2796	0
419	Extended CPT-TODIM method for interval-valued intuitionistic fuzzy MAGDM and its application to urban ecological risk assessment. <b>2021</b> , 40, 4091-4106	27
418	Some improved pythagorean fuzzy Dombi power aggregation operators with application in multiple-attribute decision making. <b>2021</b> , 40, 9237-9257	8
417	Some m-polar fuzzy operators and their application in multiple-attribute decision-making process. <b>2021</b> , 46, 1	0
416	Algorithms for MAGDM with intuitionistic fuzzy sets and their application for evaluating the green technological innovation ability of the enterprises. <b>2021</b> , 40, 9687-9707	
415	Some Generalized T-Spherical and Group-Generalized Fuzzy Geometric Aggregation Operators with Application in MADM Problems. <b>2021</b> , 2021, 1-17	5
414	An Approach of Interval-Valued Picture Fuzzy Uncertain Linguistic Aggregation Operator and Their Application on Supplier Selection Decision-Making in Logistics Service Value Concretion. <b>2021</b> , 2021, 1-19	3
413	Multiattribute Decision-Making Method with Intuitionistic Fuzzy Archimedean Bonferroni Means. <b>2021</b> , 2021, 1-24	2
412	TOPSIS Method for Teaching Effect Evaluation of College English with Interval-Valued Intuitionistic Fuzzy Information. <b>2021</b> , 2021, 1-9	6
411	Cubic linguistic uncertain Einstein averaging operators and decision-making problems. <b>2021</b> , 25, 7231-7246	
410	A hybrid decision making method based on $q$ -rung orthopair fuzzy soft information. <b>2021</b> , 40, 9815-9830	1
409	Width-based distance measures on interval-valued intuitionistic fuzzy sets. <b>2021</b> , 40, 8857-8869	2
408	Selection of solar tracking system using extended TOPSIS technique with interval type-2 pythagorean fuzzy numbers. <b>2021</b> , 22, 2205	2
407	A dynamical hybrid method to design decision making process based on GRA approach for multiple attributes problem. <b>2021</b> , 100, 104203	16
406	Orthopair indeterminate information expression, aggregations and multiattribute decision making method with indeterminate ranges. 1-9	2
405	Multi-attribute decision-making method based on normal T-spherical fuzzy aggregation operator. <b>2021</b> , 40, 9543-9565	5
404	Research on the teaching quality evaluation of physical education with intuitionistic fuzzy TOPSIS method. <b>2021</b> , 40, 9227-9236	8

403	New prioritized aggregation operators with priority degrees among priority orders for complex intuitionistic fuzzy information. 1	6
402	EDAS method for decision support modeling under the Pythagorean probabilistic hesitant fuzzy aggregation information. <b>2021</b> , 1-14	8
401	Decision support system for ranking relevant indicators for reopening strategies following COVID-19 lockdowns. <b>2021</b> , 1-29	2
400	A new approach to $\alpha$ -linear Diophantine fuzzy emergency decision support system for COVID19. <b>2021</b> , 1-27	18
399	Extended Fuzzy Sets and Their Applications. <b>2021</b> , 9, 770	1
398	A novel approach to MADM problems using Fermatean fuzzy Hamacher aggregation operators. <b>2021</b> , 36, 3464-3499	13
397	A Decision Support Model for Hotel Recommendation Based on the Online Consumer Reviews Using Logarithmic Spherical Hesitant Fuzzy Information. <b>2021</b> , 23,	4
396	Algorithm for solving the decision-making problems based on correlation coefficients under cubic intuitionistic fuzzy information: a case study in watershed hydrological system. 1	3
395	Dual hesitant q-rung orthopair fuzzy Dombi t-conorm and t-norm based Bonferroni mean operators for solving multicriteria group decision making problems. <b>2021</b> , 36, 3293-3338	6
394	Sine trigonometric operational laws and its based Pythagorean fuzzy aggregation operators for group decision-making process. <b>2021</b> , 54, 4421-4447	12
393	Robust Aggregation Operators for Intuitionistic Fuzzy Hypersoft Set With Their Application to Solve MCDM Problem. <b>2021</b> , 23,	20
392	Threat Evaluation of Air Targets Based on the Generalized Shapley Choquet Integral of GIFSS. <b>2021</b> , 8, 144	
391	Applications of improved spherical fuzzy Dombi aggregation operators in decision support system. <b>2021</b> , 25, 9097-9119	11
390	Generalized similarity measures under linguistic q-rung orthopair fuzzy environment with application to multiple attribute decision-making. 1	1
389	An improved multi-criteria emergency decision-making method in environmental disasters. <b>2021</b> , 25, 10351-10379	18
388	MULTI-AUV DYNAMIC MANEUVER DECISION-MAKING BASED ON INTUITIONISTIC FUZZY COUNTER-GAME AND FRACTIONAL-ORDER PARTICLE SWARM OPTIMIZATION. 2140039	1
387	A Novel Approach on the Intuitionistic Fuzzy Rough Frank Aggregation Operator-Based EDAS Method for Multicriteria Group Decision-Making. <b>2021</b> , 2021, 1-24	6
386	Optimization-based group decision making using interval-valued intuitionistic fuzzy preference relations. <b>2021</b> , 561, 352-370	8

385	Hospital admission and care of COVID-19 patients problem based on spherical hesitant fuzzy decision support system. <b>2021</b> , 36, 4167-4209	5
384	Identification of Critical Components of Complex Product Based on Hybrid Intuitionistic Fuzzy Set and Improved Mahalanobis-Taguchi System. <b>2021</b> , 30, 533	3
383	A Novel Approached Based on T-Spherical Fuzzy Schweizer-Sklar Power Heronian Mean Operator for Evaluating Water Reuse Applications under Uncertainty. <b>2021</b> , 13, 7108	9
382	A novel VIKOR approach based on weighted correlation coefficients and picture fuzzy information for multicriteria decision making. 1	3
381	A two-sided matching decision-making approach based on regret theory under intuitionistic fuzzy environment. <b>2021</b> , 40, 11491-11508	6
380	Interval Valued T-Spherical Fuzzy Information Aggregation Based on Dombi t-Norm and Dombi t-Conorm for Multi-Attribute Decision Making Problems. <b>2021</b> , 13, 1053	12
379	Multiple Attribute Decision-Making Based on Three-Parameter Generalized Weighted Heronian Mean. <b>2021</b> , 9, 1363	4
378	Pythagorean probabilistic hesitant fuzzy aggregation operators and their application in decision-making. <b>2021</b> , ahead-of-print,	3
377	Novel Approach for Third-Party Reverse Logistic Provider Selection Process under Linear Diophantine Fuzzy Prioritized Aggregation Operators. <b>2021</b> , 13, 1152	16
376	Intuitionistic fuzzy decision-making in the framework of Dempster-Shafer structures. <b>2021</b> , 36, 5419-5448	2
375	A wrapper methodology to learn interval-valued fuzzy rule-based classification systems. <b>2021</b> , 104, 107249	10
374	Image Fusion Algorithm Selection Based on Fusion Validity Distribution Combination of Difference Features. <b>2021</b> , 10, 1752	1
373	Interval-valued intuitionistic fuzzy multiple attribute decision making and their applications. <b>2021</b> , 25, 251-277	
372	Three-Way Multi-Attribute Decision Making Based on Outranking Relations under Intuitionistic Fuzzy Environments. <b>2021</b> , 13, 1384	1
371	Linear Diophantine Fuzzy Einstein Aggregation Operators for Multi-Criteria Decision-Making Problems. <b>2021</b> , 2021, 1-31	17
370	Multiple attribute decision-making based on cubical fuzzy aggregation operators. 1	1
369	Intuitionistic Fuzzy Dombi Hybrid Decision-Making Method and Their Applications to Enterprise Financial Performance Evaluation. <b>2021</b> , 2021, 1-14	8
368	GRA and CRITIC Method for Intuitionistic Fuzzy Multiattribute Group Decision Making and Application to Development Potentiality Evaluation of Cultural and Creative Garden. <b>2021</b> , 2021, 1-9	4

- 367 Decision-making problem based on confidence intuitionistic trapezoidal fuzzy Einstein aggregation operators and their application. 1-32
- 366 An efficient intuitionistic fuzzy MULTIMOORA approach based on novel aggregation operators for the assessment of solid waste management techniques. 1 13
- 365 An understandable way to discover methods to model interval input/output samples. **2021**, 40, 1
- 364 Intuitionistic fuzzy MABAC method based on cumulative prospect theory for multiple attribute group decision making. **2021**, 36, 6337-6359 33
- 363 An Easy-to-Understand Method to Construct Desired Distance-Like Measures. **2021**, 2021, 1-15 1
- 362 A new method for deriving priority from dual hesitant fuzzy preference relations. **2021**, 36, 6613-6644 1
- 361 Necessary and sufficient condition for the existence of Atanassov's Intuitionistic Fuzzy based additive definite integral. **2021**, 0
- 360 Application of entropy measures with uncertainty in classification methods with missing data problem. **2021**,
- 359 Classification of uncertain data with a selection of relevant features based on similarities measures of Interval-Valued Fuzzy Sets. **2021**, 1
- 358 Multi-attribute group decision-making method based on time-series q-rung orthopair fuzzy sets. **2021**, 41, 2161-2170 3
- 357 Improved q-rung orthopair fuzzy line integral aggregation operators and their applications for multiple attribute decision making. **2021**, 54, 5163-5204 1
- 356 Notes on Local and Nonlocal Intuitionistic Fuzzy Fractional Boundary Value Problems with Caputo Fractional Derivatives. **2021**, 2021, 1-11 2
- 355 Multicriteria Decision-Making Approach for Pythagorean Fuzzy Hypersoft Sets Interaction Aggregation Operators. **2021**, 2021, 1-17 1
- 354 Hamacher heronian mean operators for multi-criteria decision-making under multi-valued picture fuzzy uncertain linguistic environment. **2021**, 41, 1531-1552
- 353 Some generalized q-rung orthopair fuzzy Einstein interactive geometric aggregation operators with improved operational laws. **2021**, 36, 7239 13
- 352 Complex intuitionistic fuzzy Maclaurin symmetric mean operators and its application to emergency program selection. **2021**, 41, 517-538 2
- 351 Intuitionistic Fuzzy Three-Factor Ratio Models and Multi-preference Fusion. **2021**, 13, 1246
- 350 Research on teaching quality evaluation of college english based on the CODAS method under interval-valued intuitionistic fuzzy information. **2021**, 41, 1499-1508 2

349	Multiattribute decision making based on the improved intuitionistic fuzzy Einstein weighted averaging operator of intuitionistic fuzzy values. <b>2021</b> , 568, 369-383	12
348	A novel extension of TOPSIS with interval type-2 trapezoidal neutrosophic numbers using $\alpha$ -cuts. <b>2021</b> , 55, 2657-2683	0
347	Multiple-attribute decision making method based on power generalized maclaurin symmetric mean operators under normal wiggly hesitant fuzzy environment. <b>2021</b> , 41, 3895-3920	3
346	A novel intuitionistic fuzzy three-way decision model based on an intuitionistic fuzzy incomplete information system. 1	2
345	Does Intuitionistic Fuzzy Analytic Hierarchy Process Work Better Than Analytic Hierarchy Process?. 1	6
344	A consensus reaching process based on the concordance correlation measure of intuitionistic fuzzy sets in multi-criteria decision making. <b>2021</b> , 41, 3121-3136	1
343	Multi-attribute group decision-making based on Bonferroni mean operators for picture hesitant fuzzy numbers. <b>2021</b> , 25, 13315	4
342	Subtraction and division operations on intuitionistic fuzzy sets derived from the Hamming distance. <b>2021</b> , 571, 206-224	8
341	Discrete IV d-Choquet integrals with respect to admissible orders. <b>2021</b> ,	0
340	An axiomatic design-based mathematical programming method for heterogeneous multi-criteria group decision making with linguistic fuzzy truth degrees. <b>2021</b> , 571, 649-675	3
339	Towards interval uncertainty propagation control in bivariate aggregation processes and the introduction of width-limited interval-valued overlap functions. <b>2021</b> ,	2
338	Aczel-Alsina aggregation operators and their application to intuitionistic fuzzy multiple attribute decision making.	21
337	Evaluating Blockchain Requirements for Effective Digital Supply Chain Management. <b>2021</b> , 108309	5
336	Mathematical calculation of the COVID-19 disease in Pakistan by emergency response modeling based on intuitionistic fuzzy decision process. 1-41	1
335	Configurations of Soft Decision-Making Methods Provided in $\alpha$ -Matrices Space to Render Them Operable in $\alpha$ -Matrices Spaces and Their Application to Performance Ranking of the Noise Removal Filters.	0
334	Grey relational analysis method based on cumulative prospect theory for intuitionistic fuzzy multi-attribute group decision making. <b>2021</b> , 41, 3783-3795	24
333	New aggregation operators on group-based generalized intuitionistic fuzzy soft sets. <b>2021</b> , 25, 1-12	9
332	Interval-valued seminormed fuzzy operators based on admissible orders. <b>2021</b> , 574, 96-110	1

331	Convex combination-based consensus analysis for intuitionistic fuzzy three-way group decision. <b>2021</b> , 574, 542-566	14
330	Multi-attribute three-way decisions based on ideal solutions under interval-valued intuitionistic fuzzy environment. <b>2021</b> , 138, 12-37	3
329	An improved belief structure satisfaction to uncertain target values by considering the overlapping degree between events. <b>2021</b> , 580, 398-407	2
328	An intuitionistic fuzzy data-driven product ranking model using sentiment analysis and multi-criteria decision-making. <b>2021</b> , 173, 121158	3
327	A review of q-rung orthopair fuzzy information: bibliometrics and future directions. <b>2021</b> , 54, 3361-3430	9
326	An Approach to Generalization of the Intuitionistic Fuzzy Topsis Method in the Framework of Evidence Theory. <b>2021</b> , 11, 157-175	4
325	Bulbul Disaster Assessment Using Single-Valued Spherical Hesitant Neutrosophic Dombi Weighted Aggregation Operators. <b>2021</b> , 221-243	1
324	A Cosine Similarity Measure Based on the Choquet Integral for Intuitionistic Fuzzy Sets and Its Applications to Pattern Recognition. <b>2021</b> , 1-16	0
323	Multi-attribute group decision-making process based on possibility degree and operators for intuitionistic multiplicative set. <b>2021</b> , 7, 1099-1121	12
322	Group Decisions with Intuitionistic Fuzzy Sets. <b>2020</b> , 1-20	0
321	A Three-Way Decision Model Based on Intuitionistic Fuzzy Decision Systems. <b>2017</b> , 249-263	4
320	Fuzzy Petri Nets with Linear Orders for Intervals. <b>2017</b> , 150-161	3
319	A Method for Estimating Criteria Weights from Intuitionistic Preference Relations. <b>2007</b> , 503-512	6
318	Induced Intuitionistic Fuzzy Ordered Weighted Averaging Operator and Its Application to Multiple Attribute Group Decision Making. <b>2008</b> , 124-131	17
317	Triangle Fuzzy Number Intuitionistic Fuzzy Aggregation Operators and Their Application to Group Decision Making. <b>2010</b> , 350-357	7
316	Using a Combined Intuitionistic Fuzzy Set-TOPSIS Method for Evaluating Project and Portfolio Management Information Systems. <b>2011</b> , 67-81	3
315	Construction of Interval-Valued Fuzzy Preference Relations Using Ignorance Functions: Interval-Valued Non Dominance Criterion. <b>2011</b> , 243-255	5
314	A New Method for Comparing Interval-Valued Intuitionistic Fuzzy Values. <b>2012</b> , 221-228	3

313	Intuitionistic Fuzzy Information Aggregation. <b>2012</b> , 1-102	9
312	Intuitionistic Multi-fuzzy Convolution Operator and Its Application in Decision Making. <b>2017</b> , 540-551	4
311	A New Method for Atanassov's Interval-Valued Intuitionistic Fuzzy MAGDM with Incomplete Attribute Weight Information. <b>2020</b> , 37-69	3
310	Extension of TOPSIS and VIKOR Method for Decision-Making Problems with Picture Fuzzy Number. <b>2020</b> , 563-577	2
309	Decision-Making Based on q-Rung Orthopair Fuzzy Soft Rough Sets. <b>2020</b> , 2020, 1-21	5
308	Decision Support Technique Based on Spherical Fuzzy Yager Aggregation Operators and Their Application in Wind Power Plant Locations: A Case Study of Jhimpir, Pakistan. <b>2020</b> , 2020, 1-21	5
307	Ranking of Intuitionistic Fuzzy Number by Centroid Point. <b>2013</b> , 1, 107-110	20
306	Combined Approach for Government E-Tendering Using GA and TOPSIS with Intuitionistic Fuzzy Information. <b>2015</b> , 10, e0130767	10
305	Some Muirhead Mean Operators for Intuitionistic Fuzzy Numbers and Their Applications to Group Decision Making. <b>2017</b> , 12, e0168767	61
304	Developing an Integrated ANP and Intuitionistic Fuzzy TOPSIS Model for Supplier Selection. <b>2015</b> , 43, 20130114	18
303	Trapezoidal Intuitionistic Fuzzy Aggregation Operator Based on Choquet Integral and Its Application to Multi-Criteria Decision-Making Problems. <b>2015</b> , 2, 266	3
302	Entropy Analysis on Intuitionistic Fuzzy Sets and Interval-Valued Intuitionistic Fuzzy Sets and its Applications in Mode Assessment on Open Communities. <b>2018</b> , 22, 147-155	6
301	On aggregation operators for linguistic trapezoidal fuzzy intuitionistic fuzzy sets and their application to multiple attribute group decision making. <b>2020</b> , 38, 2907-2950	6
300	Fuzzy Multi-Criteria Decision Making Algorithm under Intuitionistic Hesitant Fuzzy Set with Novel Distance Measure. <b>2020</b> , 5, 473-487	4
299	Pythagorean Fuzzy SWARA-VIKOR Framework for Performance Evaluation of Solar Panel Selection. <b>2020</b> , 12, 4278	36
298	Multi-attribute Decision Making with Uncertain Attribute Weight Information in the Framework of Interval-valued Intuitionistic Fuzzy Set. <b>2012</b> , 38, 220-228	6
297	Multi-criteria decision-making based on intuitionistic fuzzy sets geometric operators. <b>2009</b> , 29, 1273-1275	1
296	INTUITIONISTIC FUZZY INTERACTION MACLAURIN SYMMETRIC MEANS AND THEIR APPLICATION TO MULTIPLE-ATTRIBUTE DECISION-MAKING. <b>2018</b> , 24, 1533-1559	14

295	TOPSIS method based on correlation coefficient for solving decision-making problems with intuitionistic fuzzy soft set information. <b>2020</b> , 5, 2944-2966	53
294	Some Generalized Intuitionistic Fuzzy Geometric Aggregation Operators with Applications in Multi-Criteria Decision Making Process. <b>2016</b> , 159-179	3
293	Intuitionistic Fuzzy Sets-Based Method for Multi-Criteria Decision-Making. <b>2016</b> , 22-35	2
292	MAGDM-Miner. <b>2014</b> , 6, 34-59	6
291	Time-varying intuitionistic fuzzy integral for emergency materials demand prediction with case-based reasoning. <b>2021</b> , 1-1	
290	Sustainability assessment of different nanoparticle for heat exchanger applications: an intuitionistic fuzzy combinative distance-based assessment method. <b>2021</b> , 44-63	2
289	Multiple attribute decision-making based on distance measure under pythagorean fuzzy environment. 1	1
288	A Bonferroni mean considering Shapley fuzzy measure under hesitant bipolar-valued neutrosophic set environment for an investment decision. <b>2021</b> , 1-28	3
287	A Decision-Making Approach Based on Score Matrix for Pythagorean Fuzzy Soft Set. <b>2021</b> , 2021, 5447422	6
286	A novel approach to MADM problems using Fermatean fuzzy Hamacher prioritized aggregation operators. <b>2021</b> , 25, 13897-13910	2
285	Multiattribute Decision-Making Problems in terms of the Weighted Mean Operation of Two Aggregation Operators of Orthopair Z-Numbers. <b>2021</b> , 2021, 1-10	
284	Multiple Attribute Group Decision Making Problems Based on Fuzzy Number Intuitionistic Fuzzy Information. <b>2009</b> , 19, 265-272	1
283	Multi-person Multi-attribute Decision Making Problems Based on Interval-valued Intuitionistic Fuzzy Information. <b>2010</b> , 10, 287-295	
282	Standard Deviation Method for Risk Evaluation in Failure Mode under Interval-Valued Intuitionistic Fuzzy Environment. <b>2011</b> , 557-565	
281	Environmental Project Evaluation Using Intuitionistic Fuzzy Information. 33, 87-99	
280	Multi-criteria decision making based on Vague integral. <b>2011</b> , 31, 1111-1113	
279	Models for Multiple Attribute Decision Making with Intuitionistic Trapezoidal Information. <b>2012</b> , 821-825	
278	A Search for the Correlation Coefficient of Triangular and Trapezoidal Intuitionistic Fuzzy Sets for Multiple Attribute Group Decision Making. <b>2012</b> , 333-342	10



- 277 The Application of Intuitionistic Fuzzy MADM Based on Projection Model in Threat Assessment. **2012**, 500-505 1
- 276 Decision Making with Extensions of Fuzzy Sets: An Application to Disaster Management. **2013**, 189-207
- 275 An Algebraic Analysis for Binary Intuitionistic L-Fuzzy Relations. **2014**, 11-20 1
- 274 Reductions of Intuitionistic Fuzzy Covering Systems Based on Discernibility Matrices. **2014**, 111-120
- 273 Intuitionistic Fuzzy Multivalued Dependency and Intuitionistic Fuzzy Fourth Normal Form. **2016**, 393-404
- 272 Averages on Lattices. **2016**, 305-345 1
- 271 About the Use of Admissible Order for Defining Implication Operators. **2016**, 353-362 4
- 270 About the Use of Admissible Order for Defining Implication Operators. **2016**, 126-134
- 269 Information measures for generalized hesitant fuzzy information. **2016**, 26, 76-81
- 268 Hesitant Fuzzy Set and Its Extensions. **2017**, 1-36 0
- 267 Evaluation of Intangible Factors of Marketing Competitive Priorities in Manufacturing Industry. **2017**, 07, 23-34 0
- 266 MAGDM-Miner. **2017**, 1708-1738
- 265 Contrasting Correlation Coefficient with Distance Measure in Interval Valued Intuitionistic Trapezoidal Fuzzy MAGDM Problems. **2017**, 1478-1517 1
- 264 MAGDM Problems with Correlation Coefficient of Triangular Fuzzy IFS. **2017**, 154-192
- 263 Generalized Reciprocity Property for Interval-Valued Fuzzy Setting in Some Aspect of Social Network. **2018**, 286-296
- 262 An Equivalence Relation and Admissible Linear Orders in Decision Making. **2018**, 187-198
- 261 Some Generalized Intuitionistic Fuzzy Geometric Aggregation Operators With Applications in Multi-Criteria Decision Making Process. **2018**, 1190-1211
- 260 Pareto Solution in Neutrosophic Set Setting for Multiple Criteria Decision Making Problems. **2019**, 371-415

- 259 On the Influence of Admissible Orders in IVOVO. **2019**, 358-369
- 258 On the Influence of Interval Normalization in IVOVO Fuzzy Multi-class Classifier. **2019**, 44-57
- 257 Multi-Criteria Decision-Making Approach Based on Moderator Intuitionistic Fuzzy Hybrid Aggregation Operators. **2019**, 237-251
- 256 New Einstein Hybrid Aggregation Operators for Intuitionistic Fuzzy Sets and Applications in Multi-Criteria Decision-Making. **2019**, 252-283
- 255 Sectorial evaluation of Islamic banking contracts: a fuzzy multi-criteria-decision-making approach. **2019**, 16, 370-382 2
- 254 Emitter Threat Evaluation Based on IFS-TWD. **2019**,
- 253 A Genetic Approach to the Job Shop Scheduling Problem with Interval Uncertainty. **2020**, 663-676 1
- 252 Multi-stakeholder Multi-criteria Decision-Making Framework for Sustainability Prioritization: Investigation of the Processes for Sludge-to-Wealth. **2020**, 79-104
- 251 Distance measures between interval complex neutrosophic sets and their applications in multi-criteria group decision making. **2020**, 5, 5700-5715 0
- 250 A Three-Phase Method for Group Decision Making with Interval-Valued Intuitionistic Fuzzy Preference Relations. **2020**, 243-270 2
- 249 A modified weighted method of time series forecasting in intuitionistic fuzzy environment. **2020**, 57, 1022-1041 2
- 248 Spherical Fuzzy Numbers and Multi-criteria Decision-Making. **2021**, 53-84 4
- 247 Some New Ordered Semi-linear Spaces of Intuitionistic Fuzzy Processes and the Pair of Closely Related States. **2021**, 397-411 1
- 246 Appropriate Weighted Averaging Aggregation Operator Under Some Extensions of the Fuzzy Environment. **2021**, 1-86
- 245 Application of Single-Valued Neutrosophic Power Maclaurin Symmetric Mean Operators in MADM. **2021**, 328-354
- 244 Cubic Hesitant Fuzzy Heronian Mean Operators and Their Application in Multi Criteria Decision Making. **2021**, 276-288
- 243 IFWG-TOPSIS Model for Supporting Infant Failure Assessment in an Offshore Wind Turbine System. **2020**, 13, 0
- 242 A decision-making algorithm combining the aspect-based sentiment analysis and intuitionistic fuzzy-VIKOR for online hotel reservation. **2021**, 1-17 5

241	Hesitant-Intuitionistic Trapezoidal Fuzzy Prioritized Operators Based on Einstein Operations with Their Application to Multi-criteria Group Decision-Making. <b>2020</b> , 1-24	
240	Introduction. <b>2020</b> , 1-7	
239	Tardiness Minimisation for Job Shop Scheduling with Interval Uncertainty. <b>2020</b> , 209-220	2
238	Intuitionistic Fuzzy Score Function Based Multi-Criteria Decision Making Method for Selection of Cloud Service Provider. <b>2020</b> , 10, 533-539	0
237	GENERALIZED FUZZY DIVERGENCE MEASURE, PATTERN RECOGNITION AND INEQUALITIES. <b>2022</b> , 11, 0-0	
236	A novel decision making technique based on spherical hesitant fuzzy Yager aggregation information: application to treat Parkinson's disease. <b>2022</b> , 7, 1678-1706	1
235	A TOPSIS Method Under SVTN-Numbers Based on Multi-Attribute Decision-Making Problems. <b>2020</b> , 1-42	
234	Series of Aggregation Operators for Picture Fuzzy Environments and Their Applications. <b>2020</b> , 328-351	1
233	An Undesirable Behaviour of a Recent Extension of OWA Operators to the Setting of Multidimensional Data. <b>2020</b> , 588-593	
232	Orders Preserving Convexity Under Intersections for Interval-Valued Fuzzy Sets. <b>2020</b> , 493-505	
231	Intervals and More: Aggregation Functions for Picture Fuzzy Sets. <b>2020</b> , 179-194	
230	Additive Consistent Interval-Valued Atanassov Intuitionistic Fuzzy Preference Relation and Likelihood Comparison Algorithm Based Group Decision Making. <b>2020</b> , 215-242	2
229	Analysis of Acceptably Multiplicative Consistency and Consensus for Incomplete Interval-Valued Intuitionistic Fuzzy Preference Relations. <b>2020</b> , 1-1	0
228	Complex Cubic Fuzzy Aggregation Operators With Applications in Group Decision-Making. <b>2020</b> , 8, 223869-223888	4
227	Development of an Effective System for Selecting Construction Materials for Sustainable Residential Housing in Western Australia. <b>2020</b> , 11, 825-844	2
226	Several Applications Based on the Definite Integral Models for (Generalized) Intuitionistic (Multiplicative) Fuzzy Information. <b>2020</b> , 67-113	0
225	Enhancing the Efficiency of the Interval-Valued Fuzzy Rule-Based Classifier with Tuning and Rule Selection. <b>2020</b> , 463-478	
224	Novel Intuitionistic Fuzzy Decision Making Models in the Framework of Decision Field Theory. <b>2020</b> , 63-86	

223	A Possibility Degree Method for Interval-Valued Intuitionistic Fuzzy Multi-attribute Group Decision Making. <b>2020</b> , 1-35	
222	Supplier in the Supply Chain: A Bibliometric Analysis. <b>2020</b> , 53-65	1
221	Extended TOPSIS with Correlation Coefficient of Triangular Intuitionistic Fuzzy Sets for Multiple Attribute Group Decision Making. 230-258	
220	On the Problem of Group Decision Making Based on Intuitionistic Fuzzy Judgment Matrices. <b>2007</b> , 315-325	
219	Ordered pair of normalized real numbers. <b>2020</b> , 538, 290-290	
218	Conceptual Proposal of a Hierarchization System for Patients Candidate to Intensive Care Units in Health Catastrophe Situations. <b>2020</b> ,	
217	A dynamic hybrid trust network-based dual-path feedback consensus model for multi-attribute group decision-making in intuitionistic fuzzy environment. <b>2022</b> , 80, 266-281	3
216	A Novel Evaluation Method of Air Target Threat Based on D Number Theory of Interval Numbers. <b>2021</b> ,	
215	Supermarket fresh food suppliers evaluation and selection with multigranularity unbalanced hesitant fuzzy linguistic information based on prospect theory and evidential theory.	0
214	Dynamic multiple criteria group decision-making method based on intuitionistic fuzzy information. 1-10	
213	Signed distance-based closeness coefficients approach for solving inverse non-linear programming models for multiple criteria group decision-making using interval Type-2 pythagorean fuzzy numbers. 1	1
212	Multiple attribute group decision-making based on generalized aggregation operators under linguistic interval-valued Pythagorean fuzzy environment. 1	2
211	Relative measure-based approaches for ranking single-valued neutrosophic values and their applications.	2
210	Research on Investment Environment Performance Evaluation of Blockchain Industry with Intuitionistic Fuzzy CODAS Method. <b>2021</b> , 2021, 1-8	1
209	Choquet integral-based intuitionistic fuzzy arithmetic aggregation operators in multi-criteria decision-making. <b>2021</b> , 116242	4
208	Intuitionistic Fuzzy PRI-AND and PRI-OR Aggregation Operators Based on the Priority Degrees and Their Applications in Multi-Attribute Decision Making. <b>2021</b> , 9, 155472-155490	1
207	Approaches to multi-attribute decision-making based on picture fuzzy Aczel-Alsina average aggregation operators. <b>2022</b> , 41, 1	14
206	Information Quality for Intuitionistic Fuzzy Values with Its Application in Decision Making. <b>2022</b> , 109, 104568	12

205	Intuitionistic fuzzy social network hybrid MCDM model for an assessment of digital reforms of manufacturing industry in China. <b>2022</b> , 176, 121435	17
204	Generalized Intuitionistic Fuzzy Entropy on IF-MARCOS Technique in Multi-criteria Decision Making. <b>2021</b> , 592-603	0
203	A Vector Valued Similarity Measure Based on the Choquet Integral for Intuitionistic Fuzzy Sets and Its Application to Pattern Recognition. <b>2022</b> , 84-92	0
202	A Novel Ranking Method of the Generalized Intuitionistic Fuzzy Numbers Based on Possibility Measures. <b>2022</b> , 20-27	0
201	Intelligent Fuzzy Pythagorean Bayesian Decision Making of Maintenance Strategy Selection in Offshore Sectors. <b>2022</b> , 598-604	8
200	Multiple Attribute Decision-Making Method Based upon Intuitionistic Fuzzy Partitioned Dual Maclaurin Symmetric Mean Operators. <b>2021</b> , 14,	2
199	Confidence levels under complex q-rung orthopair fuzzy aggregation operators and their applications. <b>2022</b> , 1-23	1
198	Harmonic Aggregation Operator with Trapezoidal Picture Fuzzy Numbers and Its Application in a Multiple-Attribute Decision-Making Problem. <b>2022</b> , 14, 135	3
197	A decision making algorithm for wind power plant based on q-rung orthopair hesitant fuzzy rough aggregation information and TOPSIS. <b>2022</b> , 7, 5241-5274	2
196	The Service Quality Evaluation of Agricultural E-Commerce Based on Interval-Valued Intuitionistic Fuzzy GRA Method. <b>2022</b> , 2022, 1-10	2
195	OUP accepted manuscript.	1
194	An extended WASPAS approach for teaching quality evaluation based on pythagorean fuzzy reducible weighted Maclaurin symmetric mean. <b>2022</b> , 1-32	1
193	A method to multi-attribute decision making technique based on Dombi aggregation operators under bipolar complex fuzzy information. <b>2022</b> , 41, 1	6
192	A group-based FMEA approach with dynamic heterogeneous social network consensus reaching model for uncertain reliability assessment. 1-15	2
191	Intuitionistic fuzzy value similarity measures for intuitionistic fuzzy sets. <b>2022</b> , 41, 1	2
190	Multiple attribute decision making based on q-rung orthopair fuzzy Hamacher Muirhead mean operators. <b>2022</b> , 26, 2465	1
189	A decision support system for surveillance of smart cities via a novel aggregation operator on intuitionistic fuzzy sets. 1	0
188	Intuitionistic Fuzzy Prioritized Aggregation Operators Based on Priority Degrees with Application to Multicriteria Decision-Making. <b>2022</b> , 2022, 1-16	

- <sup>187</sup> Multicriteria Decision-Making Methods Using Bipolar Neutrosophic Hamacher Geometric Aggregation Operators. **2022**, 2022, 1-13
- <sup>186</sup> Novel Decision-Making Techniques in Tripolar Fuzzy Environment with Application: A Case Study of ERP Systems.. **2022**, 2022, 4488576
- <sup>185</sup> Some new logarithmic aggregation operators and their application to group decision making problem based on t-norm and t-conorm. **2022**, 26, 2751 2
- <sup>184</sup> A new multi-criteria decision-making method utilizing power heronian operators with picture hesitant fuzzy information. **2022**, 42, 2287-2308
- <sup>183</sup> A Decision-Making Methodology Based on Expert Systems Applied to Machining Tools Condition Monitoring. **2022**, 10, 520 3
- <sup>182</sup> A Decision-Making Framework Using q-Rung Orthopair Probabilistic Hesitant Fuzzy Rough Aggregation Information for the Drug Selection to Treat COVID-19. **2022**, 2022, 1-37 3
- <sup>181</sup> Pythagorean fuzzy prioritized aggregation operators with priority degrees for multi-criteria decision-making. **2022**, ahead-of-print, 2
- <sup>180</sup> Proposing a Fuzzy Soft-max-based classifier in a hybrid deep learning architecture for human activity recognition. **2022**, 11, 171-186 1
- <sup>179</sup> An Intelligent Expert Combination Weighting Scheme for Group Decision Making in Railway Reconstruction. **2022**, 10, 549 1
- <sup>178</sup> Multicriteria q-Rung orthopair fuzzy decision analysis: a novel approach based on Archimedean aggregation operators with the confidence levels. 1 0
- <sup>177</sup> Intuitionistic Fuzzy Synthetic Measure on the Basis of Survey Responses and Aggregated Ordinal Data.. **2021**, 23, 1
- <sup>176</sup> Construction of Membership Functions for Fuzzy Management of Security Information and Events. **2022**, 99-110 0
- <sup>175</sup> Accuracy function on interval valued picture fuzzy soft sets. **2022**, 51, 2500-2503
- <sup>174</sup> Interval-Valued and Circular Intuitionistic Fuzzy Present Worth Analyses. **2022**, 1-19 1
- <sup>173</sup> Models for multiple attribute decision making with dual hesitant pythagorean fuzzy information. **2022**, 25, 413-427
- <sup>172</sup> Picture fuzzy WASPAS technique and its application in multi-criteria decision-making. **2022**, 26, 4413-4421 6
- <sup>171</sup> Intuitionistic fuzzy divergences: critical analysis and an application in figure skating. 1 0
- <sup>170</sup> Fermatean fuzzy soft aggregation operators and their application in symptomatic treatment of COVID-19 (case study of patients identification).. **2022**, 1-18 2

169	Algorithms for multiple attribute decision making with dual hesitant Pythagorean fuzzy information and their application to supplier selection. <b>2022</b> , 25, 465-475		
168	Research on the fire safety assessment of high building with intuitionistic fuzzy TOPSIS method. <b>2022</b> , 25, 405-411		
167	Construction of Hyperbolic Fuzzy Set and its applications in diverse COVID-19 associated problems.		
166	Rough fermatean fuzzy ideals in semigroups. <b>2022</b> , 1-12		0
165	Generalized Intuitionistic Fuzzy Normalized Weighted Optimized Geometric Bonferroni Mean and Their Application to MADM. <b>2022</b> , 2022, 1-17		
164	On deferred-statistical convergence of uncertain fuzzy sequences. <i>International Journal of General Systems</i> , 1-17	2.1	2
163	Design and Definition of a New Decision Support System Aimed to the Hierarchization of Patients Candidate to Be Admitted to Intensive Care Units.. <b>2022</b> , 10,		0
162	VIKOR method for intuitionistic fuzzy multi-attribute group decision-making and its application to teaching quality evaluation of college English. <b>2022</b> , 1-9		0
161	A Novel Similarity Measure of Single-Valued Neutrosophic Sets Based on Modified Manhattan Distance and Its Applications. <b>2022</b> , 11, 941		1
160	Analysis and Applications of Bonferroni Mean Operators and TOPSIS Method in Complete Cubic Intuitionistic Complex Fuzzy Information Systems. <b>2022</b> , 14, 533		0
159	SR-Fuzzy Sets and Their Weighted Aggregated Operators in Application to Decision-Making. <b>2022</b> , 2022, 1-14		10
158	Approach to Multiattribute Decision-Making Problems Based on Neutrality Aggregation Operators of Picture Fuzzy Information. <b>2022</b> , 2022, 1-16		0
157	Multicriteria decision-making with proportional distribution based spherical fuzzy fairly aggregation operators.		1
156	The interval-valued Choquet-Sugeno-like operator as a tool for aggregation of interval-valued functions. <b>2022</b> ,		1
155	Group decision making based on advanced intuitionistic fuzzy weighted Heronian mean aggregation operator of intuitionistic fuzzy values. <b>2022</b> ,		1
154	A trust transitivity model of small and medium-sized manufacturing enterprises under blockchain-based supply chain finance. <b>2022</b> , 247, 108469		5
153	An intuitionistic fuzzy multi-distance based evaluation for aggregated dynamic decision analysis (IF-DEVADA): Its application to waste disposal location selection. <b>2022</b> , 111, 104809		5
152	Tri-reference point method for q-rung orthopair fuzzy multiple attribute decision making by considering the interaction of attributes with Bayesian network. <b>2022</b> , 112, 104838		0

151	On the Search for a Measure to Compare Interval-Valued Fuzzy Sets. <b>2021</b> , 9, 3157	1
150	Creating a common priority vector in intuitionistic fuzzy AHP: a comparison of entropy-based and distance-based models. 1	4
149	Group Generalized q-Rung Orthopair Fuzzy Soft Sets: New Aggregation Operators and Their Applications. <b>2021</b> , 2021, 1-16	2
148	Sustainable thermal power equipment supplier selection by Einstein prioritized linear Diophantine fuzzy aggregation operators. <b>2022</b> , 7, 11201-11242	3
147	Novel Concepts of q -Rung Orthopair Fuzzy Topology and WPM Approach for Multicriteria Decision-Making. <b>2022</b> , 2022, 1-16	
146	Research on the English Classroom Teaching Effect Evaluation with Interval-Valued Intuitionistic Fuzzy Grey Relational Analysis Method. <b>2022</b> , 2022, 1-11	1
145	Limit properties in the metric semi-linear space of picture fuzzy numbers.. <b>2022</b> , 1-16	0
144	Fractional orthotriple fuzzy rough Hamacher aggregation operators and-their application on service quality of wireless network selection. <b>2022</b> , 61, 10433-10452	2
143	An Advanced Study on the Bonferroni Mean Operators for Managing Cubic Intuitionistic Complex Fuzzy Soft Settings and Their Applications in Decision Making. <b>2022</b> , 1-1	
142	Novel distance, similarity and entropy measures for interval valued intuitionistic fuzzy soft set. <b>2022</b> , 1-20	0
141	A new method for image processing using generalized linguistic neutrosophic cubic aggregation operator.	2
140	Multi-attribute group decision making based on T-spherical fuzzy soft rough average aggregation operators.	3
139	Optimal Synthesis of Loader Drive Mechanisms: A Group Robust Decision-Making Rule Generation Approach. <b>2022</b> , 10, 329	0
138	Hamacher Weighted Aggregation Operators Based on Picture Cubic Fuzzy Sets and Their Application to Group Decision-Making Problems. <b>2022</b> , 2022, 1-39	
137	Hierarchical Medical Diagnosis Approach for COVID-19 Based on Picture Fuzzy Fairly Aggregation Operators.	1
136	On the convergence of sequences in through weighted geometric means via multiplicative calculus and application to intuitionistic fuzzy numbers. <b>2022</b> , 16, 442-450	
135	Mathematical calculation of COVID-19 disease in Pakistan by emergency response modeling based on complex Pythagorean fuzzy information. <b>2022</b> , 1-17	2
134	Picture Fuzzy Einstein Hybrid-Weighted Aggregation Operator and Its Application to Multicriteria Group Decision Making. <b>2022</b> , 2022, 1-20	



133	Another view on knowledge measures in atanasov intuitionistic fuzzy sets.	1
132	A novel hybrid multi-criteria group decision-making approach with intuitionistic fuzzy sets to design reverse supply chains for COVID-19 medical waste recycling channels. <b>2022</b> , 169, 108228	7
131	Interval-valued intuitionistic fuzzy parameterized interval-valued intuitionistic fuzzy soft matrices and their application to performance-based value assignment to noise-removal filters. <b>2022</b> , 41,	1
130	Optimality conditions for nonlinear optimization problems with interval-valued objective function in admissible orders.	
129	Synthesis of strategies in post-COVID-19 public sector supply chains under an intuitionistic fuzzy environment. <b>2022</b> , 101340	
128	A Fuzzy-Multi Attribute Decision Making Approach for Efficient Service Selection in Cloud Environments. <b>2022</b> , 117526	0
127	Multiple attributes group decision-making based on trigonometric operators, particle swarm optimization and complex intuitionistic fuzzy values.	2
126	Evaluation and research on the logistics efficiency of agricultural products with intuitionistic fuzzy information. <b>2022</b> , 26, 47-52	2
125	Innovative Bipolar Fuzzy Sine Trigonometric Aggregation Operators and SIR Method for Medical Tourism Supply Chain. <b>2022</b> , 2022, 1-17	4
124	Multiple Attribute Group Decision-Making Based on Intuitionistic Fuzzy Schweizer-Sklar Generalized Power Aggregation Operators. <b>2022</b> , 2022, 1-34	1
123	Novel similarity measures for t-spherical fuzzy sets and their applications in pattern recognition and clustering. <b>2022</b> , 1-11	1
122	Risk Assessment Method on Haze Networks Public Opinion Based on Intuitionistic Fuzzy Choquet Integral.	0
121	The Initial Value Problem of Intuitionistic Fuzzy Differential Equations and the Economic Growth Models. <b>2022</b> , 537-555	
120	A Multi-attribute Decision Making Method for the Evaluation of Software Enterprise Based on T-Spherical Fuzzy Dombi Aggregation Information. <b>2022</b> , 714-722	
119	Estimating the COVID-19 Death Counts Using a Hesitant Fuzzy Linear Regression Depend on Race, Age and Location. <b>2022</b> , 680-690	
118	Fuzzy multi-attribute decision-making: Theory, methods and Applications. <b>2022</b> , 621-658	
117	Group Decision-Making Method with Incomplete Intuitionistic Fuzzy Preference Relations Based on a Generalized Multiplicative Consistent Concept. <b>2022</b> , 132, 881-907	1
116	q-Rung orthopair fuzzy soft aggregation operators based on Dombi t-norm and t-conorm with their applications in decision making. <b>2022</b> , 1-18	

115	Decision Analysis Approach Based on 2-Tuple Linguistic m -Polar Fuzzy Hamacher Aggregation Operators. <b>2022</b> , 2022, 1-22	2
114	A Decision-Making Framework Based on 2-Tuple Linguistic Fermatean Fuzzy Hamy Mean Operators. <b>2022</b> , 2022, 1-29	5
113	Decision Support System Based on CoCoSo Method with the Picture Fuzzy Information. <b>2022</b> , 2022, 1-11	4
112	Research on performance and dynamic competency evaluation of bid evaluation experts based on weight interval number. <b>2022</b> , 17, e0269467	0
111	Two flexibility degrees-driven consensus model in group decision making with intuitionistic fuzzy preference relations. <b>2022</b> ,	0
110	Entropy based extended TOPOSIS method for MCDM problem with fuzzy credibility numbers. <b>2022</b> , 7, 17286-17312	1
109	A New Picture Fuzzy Entropy and Its Application Based on Combined Picture Fuzzy Methodology with Partial Weight Information.	1
108	INTUITIONISTIC MULTIPLICATIVE SET APPROACH FOR GREEN SUPPLIER SELECTION PROBLEM USING TODIM METHOD.	0
107	Spherical Linear Diophantine Fuzzy TOPSIS Algorithm for Green Supply Chain Management System. <b>2022</b> , 2022, 1-12	0
106	Evaluation of papers according to offset print quality: the intuitionistic fuzzy based multi criteria decision making mechanism.	0
105	Incomplete Complex Intuitionistic Fuzzy System: Preference Relations, Expert Weight Determination, Group Decision-Making and Their Calculation Algorithms. <b>2022</b> , 11, 418	
104	Cumulative prospect theory integrated CRITIC and TOPSIS methods for intuitionistic fuzzy multiple attribute group decision making. <b>2022</b> , 1-14	0
103	Multi-attribute decision making for power Dombi operators under Pythagorean fuzzy information with MABAC method.	2
102	Methodology for building material suppliers selection based on the intuitionistic fuzzy multiple attribute decision making method. <b>2022</b> , 1-10	
101	A constructive framework to define fusion functions with floating domains in arbitrary closed real intervals. <b>2022</b> , 610, 800-829	0
100	Intuitionistic fuzzy rule-base evidential reasoning with application to the currency trading system on the Forex market. <b>2022</b> , 128, 109522	1
99	Evaluate sustainable human resource management in the manufacturing companies using an extended Pythagorean fuzzy SWARA-TOPSIS method. <b>2022</b> , 370, 133380	3
98	Stakeholder-inclusive multi-criteria development of smart cities. <b>2023</b> , 154, 113281	2

97	Intuitionistic fuzzy geometric aggregation operators in the framework of Aczel-Alsina triangular norms and their application to multiple attribute decision making. <b>2023</b> , 212, 118832	3
96	Aggregation and Interaction Aggregation Soft Operators on Interval-Valued q-Rung Orthopair Fuzzy Soft Environment and Application in Automation Company Evaluation. <b>2022</b> , 10, 91424-91444	2
95	q-Rung Orthopair Fuzzy Soft Topology with Multi-attribute Decision-Making. <b>2022</b> , 17-46	1
94	n,m-Rung Orthopair Fuzzy Sets With Applications to Multicriteria Decision Making. <b>2022</b> , 10, 99562-99572	1
93	q-Rung Orthopair Fuzzy Soft Set-Based Multi-criteria Decision-Making. <b>2022</b> , 465-503	0
92	Pentagonal q-Rung Orthopair Numbers and Their Applications. <b>2022</b> , 439-464	0
91	MABAC under non-linear diophantine fuzzy numbers: A new approach for emergency decision support systems. <b>2022</b> , 7, 17699-17736	0
90	A Monotonous Intuitionistic Fuzzy TOPSIS Method Under General Linear Orders Via Admissible Distance Measures. <b>2022</b> , 1-14	0
89	Intuitionistic Fuzzy Jensen-Trigonometric Divergence Measures for Solving Multi-attribute Decision-Making Problem.	0
88	Extension of GRA method for multiattribute group decision making problem under linguistic Pythagorean fuzzy setting with incomplete weight information. <b>2022</b> , 37, 9726-9749	0
87	Multi-attribute group decision-making problem based on some induced Einstein aggregation operators under complex fuzzy environment. <b>2022</b> , 1-33	1
86	Cross-domain decision making based on TrAdaBoost for diagnosis of breast lesions.	0
85	An integrated soft computing-based criteria interdependencies and intuitionistic fuzzy information to evaluate the urban concrete bridge maintenance models.	0
84	TOPSIS Model for evaluating the corporate environmental performance under intuitionistic fuzzy environment. <b>2022</b> , 26, 149-157	1
83	NA Operator-Based Interval-Valued q-Rung Orthopair Fuzzy PSI-COPRAS Group Decision-Making Method.	0
82	Applications of complex picture fuzzy soft power aggregation operators in multi-attribute decision making. <b>2022</b> , 12,	1
81	Distance measure and intuitionistic fuzzy TOPSIS method based on the centroid coordinate representation. <b>2022</b> , 1-17	0
80	A novel integrated MADM method for design concept evaluation. <b>2022</b> , 12,	0

79	Risk Priority Evaluation for Power Transformer Parts Based on Intuitionistic Fuzzy Preference Selection Index Method. <b>2022</b> , 2022, 1-10	0
78	An Integrated CoCoSo-CRITIC-Based Decision-Making Framework for Quality Evaluation of Innovation and Entrepreneurship Education in Vocational Colleges with Intuitionistic Fuzzy Information. <b>2022</b> , 2022, 1-7	0
77	(2,1)-Fuzzy sets: properties, weighted aggregated operators and their applications to multi-criteria decision-making methods.	4
76	A methodology for controlling the information quality in interval-valued fusion processes: Theory and application. <b>2022</b> , 109963	0
75	Multivariate OWA functions. <b>2022</b> ,	0
74	Complex Intuitionistic Fuzzy Aczel-Alsina Aggregation Operators and Their Application in Multi-Attribute Decision-Making. <b>2022</b> , 14, 2255	0
73	Archimedean Aggregation Operators Based on Complex Pythagorean Fuzzy Sets Using Confidence Levels and Their Application in Decision Making.	3
72	Einstein Aggregation Operators under Bipolar Neutrosophic Environment with Applications in Multi-Criteria Decision-Making. <b>2022</b> , 12, 10045	0
71	A novel multicriteria decision-making approach based on Pythagorean fuzzy sets and graph theory.	0
70	Generalized Cubic Pythagorean Fuzzy Aggregation Operators and their Application to Multi-attribute Decision-Making Problems. <b>2022</b> , 15,	1
69	TOPSIS-method based on generalized dice similarity measures with hamy mean operators and its application to decision-making process. <b>2022</b> ,	0
68	An Extension of Bonferroni Mean under Cubic Pythagorean Fuzzy Environment and Its Applications in Selection-Based Problems. <b>2022</b> , 2022, 1-28	1
67	Some novel point operators and multiple rounds voting process based decision-making algorithm under picture fuzzy set environment. <b>2022</b> , 174, 103274	0
66	Electric Vehicles Charging Dispatch and Optimal Bidding for Frequency Regulation Based on Intuitionistic Fuzzy Decision Making. <b>2022</b> , 1-13	0
65	Multiple-attribute decision-making spherical vague normal operators and their applications for the selection of farmers.	0
64	Development of complex cubic q-rung orthopair fuzzy aggregation operators and their application in group decision-making. <b>2022</b> , 126848	1
63	An integrated methodology for commercial concrete supplier selection with intuitionistic fuzzy CPT-VIKOR. <b>2022</b> , 1-12	0
62	Cubic Intuitionistic Fuzzy Topology with Application to Uncertain Supply Chain Management. <b>2022</b> , 2022, 1-22	1

61	Novel multiple criteria decision-making analysis under $m$ -polar fuzzy aggregation operators with application. <b>2022</b> , 20, 3566-3593	1
60	Intuitionistic fuzzy power Aczel-Alsina model for prioritization of sustainable transportation sharing practices. <b>2023</b> , 119, 105716	2
59	Novel intuitionistic fuzzy weighted geometric operators for intuitionistic fuzzy multi-attribute decision making. <b>2022</b> , 0-0	0
58	A patent infringement early-warning methodology based on intuitionistic fuzzy sets: A case study of Huawei. <b>2022</b> , 54, 101811	0
57	Performance monitoring and evaluation of water environment treatment PPP projects with multi-source heterogeneous information. 10,	1
56	Correlation coefficient measures and aggregation operators on interval-valued linear Diophantine fuzzy sets and their applications. <b>2022</b> , 41,	0
55	Intuitionistic Fuzzy Rough Aczel-Alsina Average Aggregation Operators and Their Applications in Medical Diagnoses. <b>2022</b> , 14, 2537	4
54	New group-based generalized interval-valued $q$ -rung orthopair fuzzy soft aggregation operators and their applications in sports decision-making problems. <b>2023</b> , 42,	2
53	Investigation of Papers According to Optical and Physical Properties Using Multi-Criteria Decision Making Method.	0
52	Incomplete intuitionistic fuzzy behavioral group decision-making based on multigranulation probabilistic rough sets and MULTIMOORA for water quality inspection. <b>2022</b> , 1-20	0
51	Failure mode and effect analysis using the hesitant intuitionistic fuzzy hybrid GRP approach with ordered comprehensive weights.	0
50	Selection and application of building material suppliers with intuitionistic fuzzy multiple attribute decision making method. <b>2022</b> , 1-13	0
49	Prioritized Aggregation Operators for Intuitionistic Fuzzy Information Based on Aczel-Alsina T-Norm and T-Conorm and Their Applications in Group Decision-Making. <b>2022</b> , 14, 2655	4
48	An integrated method for evaluating the energy-saving and economic operation of power systems with interval-valued intuitionistic fuzzy numbers. <b>2022</b> , 26, 189-200	0
47	Decision Support System Based on Complex $q$ -Rung Orthopair Fuzzy Rough Hamacher Aggregation Operator through Modified EDAS Method. <b>2022</b> , 2022, 1-18	0
46	Additive consistency of $q$ -rung orthopair fuzzy preference relations with application to risk analysis. <b>2022</b> , 1-17	0
45	Confidence Level Aggregation Operators Based on Intuitionistic Fuzzy Rough Sets with Application in Medical Diagnosis. <b>2023</b> , 1-1	0
44	Integrating intuitionistic preferences into the graph model for conflict resolution with applications to an ecological compensation conflict in Taihu Lake basin. <b>2023</b> , 110036	0

43	Generalized Frame for Orthopair Fuzzy Sets: (m,n)-Fuzzy Sets and Their Applications to Multi-Criteria Decision-Making Methods. <b>2023</b> , 14, 56	5
42	Novel Decision Making Methodology under Pythagorean Probabilistic Hesitant Fuzzy Einstein Aggregation Information. <b>2023</b> , 1-27	0
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40	Spherical q-linear Diophantine fuzzy aggregation information: Application in decision support systems. <b>2023</b> , 8, 6651-6681	0
39	Novel Fermatean Fuzzy Bonferroni Mean aggregation operators for selecting optimal health care waste treatment technology. <b>2023</b> , 119, 105752	0
38	Multiple attribute decision making based on probabilistic generalized orthopair fuzzy sets.	0
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35	A Novel Approach on Decision Support System Based on the Aczel-Alsina Aggregation Operators and Their Applications to Supplier Selection Problems. <b>2022</b> , 2022, 1-26	0
34	Complex Linear Diophantine Fuzzy Sets over AG-Groupoids with Applications in Civil Engineering. <b>2023</b> , 15, 74	2
33	Interval-valued Atanassov intuitionistic t-norms and t-conorms endowed with the usual or admissible orders. <b>2023</b> , 42,	0
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- 7 Selection of Investment Policy Using a Novel Three-Way Group Decision Model under Intuitionistic Hesitant Fuzzy Sets. **2023**, 13, 4416 ○
- 6 A interval valued intuitionistic fuzzy multi criteria decision making. **2023**, 376, 01114 ○
- 5 Applications of AG-Groupoids in Decision-Making via Linear Diophantine Fuzzy Sets. **2023**, 2023, 1-12 ○
- 4 Ranking approach based on compression transformation and distance factor in Pythagorean fuzzy environment with its application in multi-attribute group decision-making. **2023**, 225, 120126 ○
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- 2 Statistical Fuzzy Reliability Assessment of a Blended System. **2023**, 12, 419 ○
- 1 Multi-criteria decision making based on novel distance measure in intuitionistic fuzzy environment. **2023**, 10, 359-378 ○