Harish Garg

List of Publications by Year in Descending Order

319 papers	11,725 citations	60 h-index	93 g-index
339 ext. papers	14,077 ext. citations	3.8 avg, IF	8.6 L-index

#	Paper	IF	Citations
319	Complex intuitionistic fuzzy soft SWARA - COPRAS approach: An application of ERP software selection. *AIMS Mathematics*, **2022**, 7, 5895-5909	2.2	6
318	An extended WASPAS approach for teaching quality evaluation based on pythagorean fuzzy reducible weighted Maclaurin symmetric mean. *Journal of Intelligent and Fuzzy Systems*, **2022**, 1-32	1.6	1
317	Decision-Making Approach Based on Generalized Aggregation Operators with Complex Single-Valued Neutrosophic Hesitant Fuzzy Set Information. *Mathematical Problems in Engineering*, **2022**, 2022, 1-20	1.1	0
316	SVNMPR: A new single-valued neutrosophic multiplicative preference relation and their application to decision-making process. *International Journal of Intelligent Systems*, **2022**, 37, 2089-2130	8.4	5
315	An extended MABAC method based on prospect theory with unknown weight information under Fermatean fuzzy environment for risk investment assessment in B&R.. *Journal of Ambient Intelligence and Humanized Computing*, **2022**, 1-30	3.7	4
314	Study on multi-objective nonlinear programming problem with rough parameters. *Journal of Intelligent and Fuzzy Systems*, **2022**, 42, 3591-3604	1.6	1
313	Assessing the green distribution transformer manufacturing process using a cloud-based q-rung orthopair fuzzy multi-criteria framework. *Applied Energy*, **2022**, 311, 118687	10.7	5
312	Consensus reaching for prospect cross-efficiency in data envelopment analysis with minimum adjustments. *Computers and Industrial Engineering*, **2022**, 168, 108087	6.4	2
311	Big Data for Healthcare Industry 4.0: Applications, challenges and future perspectives. *Expert Systems With Applications*, **2022**, 200, 116912	7.8	6
310	Decision framework with integrated methods for group decision-making under probabilistic hesitant fuzzy context and unknown weights. *Expert Systems With Applications*, **2022**, 200, 117082	7.8	2
309	Complex System Models and Their Application in Industrial Cluster and Innovation Systems. *Complexity*, **2022**, 2022, 1-3	1.6	
308	Fractional orthotriple fuzzy rough Hamacher aggregation operators and-their application on service quality of wireless network selection. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 10433-10452	6.1	2
307	Spherical Fuzzy Soft Topology and Its Application in Group Decision-Making Problems. *Mathematical Problems in Engineering*, **2022**, 2022, 1-19	1.1	1
306	Estimation of Linear Regression with the Dimensional Analysis Method. *Mathematics*, **2022**, 10, 1645	2.3	2
305	Fuzzy VIKOR approach to identify COVID-19 vulnerability region to control third wave in Assam, India. *Journal of Intelligent and Fuzzy Systems*, **2022**, 1-10	1.6	
304	On Stability of Continuous Cooperative Static Games with Possibilistic Parameters in the Objective Functions.. *Computational Intelligence and Neuroscience*, **2022**, 2022, 6979075	3	0
303	Connected Degree of Fuzzifying Matroids. *Journal of Mathematics*, **2022**, 2022, 1-8	1.2	0

302	Fermatean Fuzzy Schweizer-Sklar Operators and BWM-Entropy-Based Combined Compromise Solution Approach: An Application to Green Supplier Selection. *Entropy*, **2022**, 24, 776	2.8	4
301	A Multi-attribute Decision Making Method for the Evaluation of Software Enterprise Based on T-Spherical Fuzzy Dombi Aggregation Information. *Lecture Notes in Networks and Systems*, **2022**, 714-722	0.5	
300	Three-way decision based on canonical soft sets of hesitant fuzzy sets. *AIMS Mathematics*, **2021**, 7, 2061-2083	2.2	4
299	Novel distance measures for intuitionistic fuzzy sets based on various triangle centers of isosceles triangular fuzzy numbers and their applications. *Expert Systems With Applications*, **2021**, 191, 116228	7.8	12
298	New Framework for FCMs Using Dual Hesitant Fuzzy Sets with an Analysis of Risk Factors in Emergency Event. *International Journal of Computational Intelligence Systems*, **2021**, 14, 67	3.4	3
297	Differential Calculus of Fermatean Fuzzy Functions: Continuities, Derivatives, and Differentials. *International Journal of Computational Intelligence Systems*, **2021**, 14, 282	3.4	13
296	Algorithm for Multiple Attribute Decision-Making with Interactive Archimedean Norm Operations Under Pythagorean Fuzzy Uncertainty. *International Journal of Computational Intelligence Systems*, **2021**, 14, 503	3.4	66
295	Bi-Objective Reliability-Cost Interactive Optimization Model for Series-Parallel System. *International Journal of Mathematical, Engineering and Management Sciences*, **2021**, 6, 1331-1344	1	1
294	A predictive analytics model for COVID-19 pandemic using artificial neural networks. *Decision Analytics Journal*, **2021**, 100007		9
293	Interval Valued Spherical Fuzzy Aggregation Operators and Their Application in Decision Making Problem. *Studies in Fuzziness and Soft Computing*, **2021**, 27-51	0.7	2
292	CHFS: Complex hesitant fuzzy sets-their applications to decision making with different and innovative distance measures. *CAAI Transactions on Intelligence Technology*, **2021**, 6, 93-122	9.7	6
291	Correlation Coefficient and Entropy Measures Based on Complex Dual Type-2 Hesitant Fuzzy Sets and Their Applications. *Journal of Mathematics*, **2021**, 2021, 1-34	1.2	1
290	Aggregation operators of Pythagorean fuzzy soft sets with their application for green supplier chain management. *Journal of Intelligent and Fuzzy Systems*, **2021**, 40, 5545-5563	1.6	27
289	CN- q-ROFS: Connection number-based q-rung orthopair fuzzy set and their application to decision-making process. *International Journal of Intelligent Systems*, **2021**, 36, 3106-3143	8.4	44
288	An approach based on combining Choquet integral and TOPSIS methods to uncertain MAGDM problems. *Soft Computing*, **2021**, 25, 7181-7195	3.5	3
287	Local adjustment strategy-driven probabilistic linguistic group decision-making method and its application for fog-haze influence factors evaluation. *Journal of Intelligent and Fuzzy Systems*, **2021**, 40, 4135-4154	1.6	4
286	Some Similarity and Distance Measures between Complex Interval-Valued q-Rung Orthopair Fuzzy Sets Based on Cosine Function and their Applications. *Mathematical Problems in Engineering*, **2021**, 2021, 1-25	1.1	3
285	Possibilistic mean of generalized non-linear intuitionistic fuzzy number to solve a price and quality dependent demand multi-item inventory model. *Computational and Applied Mathematics*, **2021**, 40, 1	2.4	4

284	ELECTRE-II method for group decision-making in Pythagorean fuzzy environment. *Applied Intelligence*, **2021**, 51, 8701	4.9	9
283	Sine trigonometric operational laws and its based Pythagorean fuzzy aggregation operators for group decision-making process. *Artificial Intelligence Review*, **2021**, 54, 4421-4447	9.7	12
282	Bipolar trapezoidal neutrosophic sets and their Dombi operators with applications in multicriteria decision making. *Soft Computing*, **2021**, 25, 8417-8440	3.5	9
281	A novel approach for solving rough multi-objective transportation problem: development and prospects. *Computational and Applied Mathematics*, **2021**, 40, 1	2.4	9
280	Evidence Theory in Picture Fuzzy Set Environment. *Journal of Mathematics*, **2021**, 2021, 1-8	1.2	5
279	A new mathematical model for determining optimal workforce planning of pilots in an airline company. *Complex & Intelligent Systems*, **2021**, 1-13	7.1	
278	Some Information Measures Based on Centroid, Orthocenter, Circumcenter and Incenter Points of Transformed Triangular Fuzzy Numbers and their Applications. *Cognitive Computation*, **2021**, 13, 946-971	4.4	3
277	New exponential operation laws and operators for interval-valued q-rung orthopair fuzzy sets in group decision making process. *Neural Computing and Applications*, **2021**, 33, 13937	4.8	29
276	Algorithms for a Generalized Multipolar Neutrosophic Soft Set with Information Measures to Solve Medical Diagnoses and Decision-Making Problems. *Journal of Mathematics*, **2021**, 2021, 1-30	1.2	3
275	Some Complex Intuitionistic Uncertain Linguistic Heronian Mean Operators and Their Application in Multiattribute Group Decision Making. *Journal of Mathematics*, **2021**, 2021, 1-31	1.2	2
274	An approach to probabilistic hesitant fuzzy risky multiattribute decision making with unknown probability information. *International Journal of Intelligent Systems*, **2021**, 36, 5714-5740	8.4	5
273	Interval Valued T-Spherical Fuzzy Information Aggregation Based on Dombi t-Norm and Dombi t-Conorm for Multi-Attribute Decision Making Problems. *Symmetry*, **2021**, 13, 1053	2.7	12
272	Methods for multi-attribute decision making, pattern recognition and clustering based on T-spherical fuzzy information measures. *Journal of Intelligent and Fuzzy Systems*, **2021**, 1-21	1.6	5
271	An understandable way to discover methods to model interval input/output samples. *Computational and Applied Mathematics*, **2021**, 40, 1	2.4	
270	An Easy-to-Understand Method to Construct Desired Distance-Like Measures. *Complexity*, **2021**, 2021, 1-15	1.6	1
269	Pythagorean fuzzy interactive Hamacher power aggregation operators for assessment of express service quality with entropy weight. *Soft Computing*, **2021**, 25, 973-993	3.5	115
268	Generalized dice similarity measures for complex q-Rung Orthopair fuzzy sets and its application. *Complex & Intelligent Systems*, **2021**, 7, 667-686	7.1	15
267	Generalized Maclaurin symmetric mean aggregation operators based on Archimedean t-norm of the intuitionistic fuzzy soft set information. *Artificial Intelligence Review*, **2021**, 54, 3173-3213	9.7	14

266	A new possibility degree measure for interval-valued q-rung orthopair fuzzy sets in decision-making. *International Journal of Intelligent Systems*, **2021**, 36, 526-557	8.4	64
265	Algorithms for complex interval-valued q-rung orthopair fuzzy sets in decision making based on aggregation operators,AHP,andTOPSIS. *Expert Systems*, **2021**, 38,	2.1	26
264	Uncertain database retrieval with measure Based belief function attribute values under intuitionistic fuzzy set. *Information Sciences*, **2021**, 546, 436-447	7.7	34
263	Novel Similarity Measure Based on the Transformed Right-Angled Triangles Between Intuitionistic Fuzzy Sets and its Applications. *Cognitive Computation*, **2021**, 13, 447-465	4.4	20
262	Multiple Attribute Decision Making Algorithm via Picture Fuzzy Nano Topological Spaces. *Symmetry* , **2021**, 13, 69	2.7	6
261	Multi-criteria decision making method based on Bonferroni mean aggregation operators of complex intuitionistic fuzzy numbers. *Journal of Industrial and Management Optimization*, **2021**, 17, 2279[2]		10
260	T-spherical fuzzy power aggregation operators and their applications in multi-attribute decision making. *Journal of Ambient Intelligence and Humanized Computing*, **2021**, 12, 1-14	3.7	26
259	A q-Rung Orthopair Cloud-Based Multi-Attribute Decision-Making Algorithm: Considering the Information Error and Multilayer Heterogeneous Relationship of Attributes. *IEEE Access*, **2021**, 1-1	3.5	3
258	Fractional two-stage transshipment problem under uncertainty: application of the extension principle approach. *Complex & Intelligent Systems*, **2021**, 7, 807-822	7.1	1
257	Modified artificial bee colony algorithm for solving mixed interval-valued fuzzy shortest path problem. *Complex & Intelligent Systems*, **2021**, 7, 1527-1545	7.1	7
256	Complex intuitionistic fuzzy preference relations and their applications in individual and group decision-making problems. *International Journal of Intelligent Systems*, **2021**, 36, 1800-1830	8.4	15
255	Interval-Valued Picture Uncertain Linguistic Generalized Hamacher Aggregation Operators and Their Application in Multiple Attribute Decision-Making Process. *Arabian Journal for Science and Engineering*, **2021**, 46, 10153-10170	2.5	6
254	A Cognitive Information-Based Decision-Making Algorithm Using Interval-Valued q-Rung Picture Fuzzy Numbers and Heronian Mean Operators. *Cognitive Computation*, **2021**, 13, 357-380	4.4	3
253	Multi-criteria decision-making algorithm based on aggregation operators under the complex interval-valued q-rung orthopair uncertain linguistic information. *Journal of Intelligent and Fuzzy Systems*, **2021**, 41, 1627-1656	1.6	9
252	Mathematical analysis of COVID-19 pandemic by using the concept of SIR model. *Soft Computing*, **2021**, 1-15	3.5	2
251	New Logarithmic Operational Laws-Based Complex q-Rung Orthopair Fuzzy Aggregation Operators and Their Application in Decision-Making Process. *Complexity*, **2021**, 2021, 1-32	1.6	2
250	Probabilistic linguistic q-rung orthopair fuzzy Generalized Dombi and Bonferroni mean operators for group decision-making with unknown weights of experts. *International Journal of Intelligent Systems*, **2021**, 36, 7770	8.4	3
249	Interaction aggregation operators to solve multi criteria decision making problem under pythagorean fuzzy soft environment. *Journal of Intelligent and Fuzzy Systems*, **2021**, 41, 1151-1171	1.6	16

248	Novel q-rung orthopair fuzzy interaction aggregation operators and their application to low-carbon green supply chain management. *Journal of Intelligent and Fuzzy Systems*, **2021**, 41, 4109-4126	1.6	19
247	Hamy Mean Operators Based on Complex q-Rung Orthopair Fuzzy Setting and Their Application in Multi-Attribute Decision Making. *Mathematics*, **2021**, 9, 2312	2.3	5
246	Correlation Measures for Cubic m-Polar Fuzzy Sets with Applications. *Mathematical Problems in Engineering*, **2021**, 2021, 1-19	1.1	4
245	A ranking method based on Muirhead mean operator for group decision making with complex interval-valued q-rung orthopair fuzzy numbers. *Soft Computing*, **2021**, 25, 14001	3.5	7
244	Novel correlation coefficient between hesitant fuzzy sets with application to medical diagnosis. *Expert Systems With Applications*, **2021**, 183, 115393	7.8	14
243	An Integrated Interval-Valued Intuitionistic Fuzzy Vague Set and Their Linguistic Variables. *International Journal of Fuzzy Systems*, **2021**, 23, 182-193	3.6	6
242	Multi-Criteria Decision Making Based on Bipolar Picture Fuzzy Operators and New Distance Measures. *CMES - Computer Modeling in Engineering and Sciences*, **2021**, 127, 771-800	1.7	13
241	Multi-attribute group decision-making process based on possibility degree and operators for intuitionistic multiplicative set. *Complex & Intelligent Systems*, **2021**, 7, 1099-1121	7.1	12
240	Associated probabilities aggregations in multistage investment decision-making. *Kybernetes*, **2021**, ahead-of-print,	2	2
239	Investigation of multiple heterogeneous relationships using a q-rung orthopair fuzzy multi-criteria decision algorithm. *Neural Computing and Applications*, **2020**, 33, 10771	4.8	28
238	Decision Support Algorithm for Selecting an Antivirus Mask over COVID-19 Pandemic under Spherical Normal Fuzzy Environment. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	45
237	Exponential operational laws and new aggregation operators for intuitionistic multiplicative set in multiple-attribute group decision making process. *Information Sciences*, **2020**, 538, 245-272	7.7	21
236	A Nonlinear Programming Approach to Solve the Stochastic Multi-objective Inventory Model Using the Uncertain Information. *Arabian Journal for Science and Engineering*, **2020**, 45, 6963-6973	2.5	9
235	New ranking method for normal intuitionistic sets under crisp, interval environments and its applications to multiple attribute decision making process. *Complex & Intelligent Systems*, **2020**, 6, 559-571	7.1	19
234	Parameter estimation and optimization of multi-objective capacitated stochastic transportation problem for gamma distribution. *Complex & Intelligent Systems*, **2020**, 6, 651-667	7.1	13
233	Multiple attribute decision making based on immediate probabilities aggregation operators for single-valued and interval neutrosophic sets. *Journal of Applied Mathematics and Computing*, **2020**, 63, 619-653	1.8	15
232	A ranking method based on possibility mean for multi-attribute decision making with single valued neutrosophic numbers. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 5245-5258	3.7	9
231	A New Uncertainty Measure of Discrete Z-numbers. *International Journal of Fuzzy Systems*, **2020**, 22, 760-776	3.6	31

230	Possibility mean, variance and standard deviation of single-valued neutrosophic numbers and its applications to multi-attribute decision-making problems. *Soft Computing*, **2020**, 24, 18795-18809	3.5	8
229	The mean operators and generalized products of fuzzy soft matrices and their applications in MCGDM. *Computational and Applied Mathematics*, **2020**, 39, 1	2.4	26
228	Vertex rough graphs. *Complex & Intelligent Systems*, **2020**, 6, 347-353	7.1	9
227	Evaluation of the Performance of Search and Rescue Robots Using T-spherical Fuzzy Hamacher Aggregation Operators. *International Journal of Fuzzy Systems*, **2020**, 22, 570-582	3.6	54
226	Multi-attribute group decision-making using double hierarchy hesitant fuzzy linguistic preference information. *Neural Computing and Applications*, **2020**, 32, 14031-14045	4.8	28
225	A novel trigonometric operation-based q-rung orthopair fuzzy aggregation operator and its fundamental properties. *Neural Computing and Applications*, **2020**, 32, 15077-15099	4.8	43
224	Algorithms Based on COPRAS and Aggregation Operators with New Information Measures for Possibility Intuitionistic Fuzzy Soft Decision-Making. *Mathematical Problems in Engineering*, **2020**, 2020, 1-20	1.1	10
223	Power Aggregation Operators and VIKOR Methods for Complex q-Rung Orthopair Fuzzy Sets and Their Applications. *Mathematics*, **2020**, 8, 538	2.3	50
222	Group Decision Algorithm for Aged Healthcare Product Purchase Under q-Rung Picture Normal Fuzzy Environment Using Heronian Mean Operator. *International Journal of Computational Intelligence Systems*, **2020**, 13, 1176	3.4	9
221	Optimizing Bidders Selection of Multi-Round Procurement Problem in Software Project Management Using Parallel Max-Min Ant System Algorithm. *Computers, Materials and Continua*, **2020**, 66, 993-1010	3.9	12
220	Fuzzy Multi-Criteria Decision Making Algorithm under Intuitionistic Hesitant Fuzzy Set with Novel Distance Measure. *International Journal of Mathematical, Engineering and Management Sciences*, **2020**, 5, 473-487	1	4
219	Group decision making approach based on possibility degree measure under linguistic interval-valued intuitionistic fuzzy set environment. *Journal of Industrial and Management Optimization*, **2020**, 16, 445-467	2	14
218	Solving fuzzy linear fractional set covering problem by a goal programming based solution approach. *Journal of Industrial and Management Optimization*, **2020**,	2	3
217	A novel entropy measure of Pythagorean fuzzy soft sets. *AIMS Mathematics*, **2020**, 5, 1050-1061	2.2	5
216	A novel entropy measure of Pythagorean fuzzy soft sets. *AIMS Mathematics*, **2020**, 5, 1050-1061	2.2	33
215	Algorithms for single-valued neutrosophic decision making based on TOPSIS and clustering methods with new distance measure. *AIMS Mathematics*, **2020**, 5, 2671-2693	2.2	14
214	TOPSIS method based on correlation coefficient for solving decision-making problems with intuitionistic fuzzy soft set information. *AIMS Mathematics*, **2020**, 5, 2944-2966	2.2	53
213	Quantifying gesture information in brain hemorrhage patients using probabilistic dual hesitant fuzzy sets with unknown probability information. *Computers and Industrial Engineering*, **2020**, 140, 106211	6.4	54

212	Generalized Geometric Aggregation Operators Based on T-Norm Operations for Complex Intuitionistic Fuzzy Sets and Their Application to Decision-making. *Cognitive Computation*, **2020**, 12, 679-698	4.4	21
211	Multiattribute group decision making based on neutrality aggregation operators of q-rung orthopair fuzzy sets. *Information Sciences*, **2020**, 517, 427-447	7.7	102
210	Novel neutrality aggregation operator-based multiattribute group decision-making method for single-valued neutrosophic numbers. *Soft Computing*, **2020**, 24, 10327-10349	3.5	25
209	Linguistic connection number of set pair analysis based on TOPSIS method and numerical scale function. *Journal of Intelligent and Fuzzy Systems*, **2020**, 38, 2369-2382	1.6	4
208	Linguistic Interval-Valued Pythagorean Fuzzy Sets and Their Application to Multiple Attribute Group Decision-making Process. *Cognitive Computation*, **2020**, 12, 1313-1337	4.4	52
207	Decision-making model under complex picture fuzzy Hamacher aggregation operators. *Computational and Applied Mathematics*, **2020**, 39, 1	2.4	36
206	An intuitionistic fuzzy two stage supply chain network design problem with multi-mode demand and multi-mode transportation. *ISA Transactions*, **2020**, 107, 117-133	5.5	11
205	Designing Intuitionistic Fuzzy Forecasting Model Combined With Information Granules and Weighted Association Reasoning. *IEEE Access*, **2020**, 8, 141090-141103	3.5	2
204	Multiple-Attribute Decision-Making Problem Using TOPSIS and Choquet Integral with Hesitant Fuzzy Number Information. *Mathematical Problems in Engineering*, **2020**, 2020, 1-12	1.1	9
203	Multiplicative Consistency Adjustment Model and Data Envelopment Analysis-Driven Decision-Making Process with Probabilistic Hesitant Fuzzy Preference Relations. *International Journal of Fuzzy Systems*, **2020**, 22, 2319-2332	3.6	22
202	A Neutrosophic-Based Approach in Data Envelopment Analysis with Undesirable Outputs. *Mathematical Problems in Engineering*, **2020**, 2020, 1-8	1.1	8
201	Decision-Making Analysis Based on Fermatean Fuzzy Yager Aggregation Operators with Application in COVID-19 Testing Facility. *Mathematical Problems in Engineering*, **2020**, 2020, 1-16	1.1	45
200	A novel exponential distance and its based TOPSIS method for interval-valued intuitionistic fuzzy sets using connection number of SPA theory. *Artificial Intelligence Review*, **2020**, 53, 595-624	9.7	106
199	Novel distance measures for cubic intuitionistic fuzzy sets and their applications to pattern recognitions and medical diagnosis. *Granular Computing*, **2020**, 5, 169-184	5.4	25
198	New generalised Bonferroni mean aggregation operators of complex intuitionistic fuzzy information based on Archimedean t-norm and t-conorm. *Journal of Experimental and Theoretical Artificial Intelligence*, **2020**, 32, 81-109	2	30
197	Multi-criteria group decision making based on ELECTRE I method in Pythagorean fuzzy information. *Soft Computing*, **2020**, 24, 3425-3453	3.5	94
196	Robust Averaging Geometric Aggregation Operators for Complex Intuitionistic Fuzzy Sets and Their Applications to MCDM Process. *Arabian Journal for Science and Engineering*, **2020**, 45, 2017-2033	2.5	32
195	. *IEEE/CAA Journal of Automatica Sinica*, **2020**, 7, 546-558	7	16

194	Correlation coefficients for T-spherical fuzzy sets and their applications in clustering and multi-attribute decision making. *Soft Computing*, **2020**, 24, 1647-1659	3.5	87
193	Maclaurin symmetric mean aggregation operators based on t-norm operations for the dual hesitant fuzzy soft set. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 375-410	3.7	34
192	Algorithm for solving group decision-making problems based on the similarity measures under type 2 intuitionistic fuzzy sets environment. *Soft Computing*, **2020**, 24, 7361-7381	3.5	10
191	Novel aggregation operators and ranking method for complex intuitionistic fuzzy sets and their applications to decision-making process. *Artificial Intelligence Review*, **2020**, 53, 3595-3620	9.7	39
190	A robust correlation coefficient for probabilistic dual hesitant fuzzy sets and its applications. *Neural Computing and Applications*, **2020**, 32, 8847-8866	4.8	31
189	A novel possibility measure to interval-valued intuitionistic fuzzy set using connection number of set pair analysis and its applications. *Neural Computing and Applications*, **2020**, 32, 3337-3348	4.8	39
188	Power Geometric Aggregation Operators Based on Connection Number of Set Pair Analysis Under Intuitionistic Fuzzy Environment. *Arabian Journal for Science and Engineering*, **2020**, 45, 2049-2063	2.5	14
187	Neutrality operations-based Pythagorean fuzzy aggregation operators and its applications to multiple attribute group decision-making process. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 3021-3041	3.7	43
186	Interval-Valued q -Rung Orthopair 2-Tuple Linguistic Aggregation Operators and Their Applications to Decision Making Process. *IEEE Access*, **2019**, 7, 131962-131977	3.5	19
185	Complex Interval-valued Intuitionistic Fuzzy Sets and their Aggregation Operators. *Fundamenta Informaticae*, **2019**, 164, 61-101	1	54
184	Multiparametric similarity measures on Pythagorean fuzzy sets with applications to pattern recognition. *Applied Intelligence*, **2019**, 49, 4058-4096	4.9	50
183	TOPSIS based on nonlinear-programming methodology for solving decision-making problems under cubic intuitionistic fuzzy set environment. *Computational and Applied Mathematics*, **2019**, 38, 1	2.4	22
182	A topological structure involving hesitant fuzzy sets. *Journal of Intelligent and Fuzzy Systems*, **2019**, 36, 6401-6412	1.6	14
181	Signed distance ranking based approach for solving bounded interval-valued fuzzy numbers linear programming problems. *International Journal of Intelligent Systems*, **2019**, 34, 2055-2076	8.4	12
180	Exponential similarity measures for Pythagorean fuzzy sets and their applications to pattern recognition and decision-making process. *Complex & Intelligent Systems*, **2019**, 5, 217-228	7.1	32
179	Some modified results of the subtraction and division operations on interval neutrosophic sets. *Journal of Experimental and Theoretical Artificial Intelligence*, **2019**, 31, 677-698	2	18
178	New Operations on Interval-Valued Picture Fuzzy Set, Interval-Valued Picture Fuzzy Soft Set and Their Applications. *IEEE Access*, **2019**, 7, 51236-51253	3.5	52
177	Group decision-making method based on prioritized linguistic intuitionistic fuzzy aggregation operators and its fundamental properties. *Computational and Applied Mathematics*, **2019**, 38, 1	2.4	57

176	Linguistic Interval-Valued Atanassov Intuitionistic Fuzzy Sets and Their Applications to Group Decision Making Problems. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 2302-2311	8.3	133
175	An Advanced Study on Operations of Connection Number Based on Set Pair Analysis. *The National Academy of Sciences, India*, **2019**, 42, 351-354	0.6	7
174	Algorithms for possibility linguistic single-valued neutrosophic decision-making based on COPRAS and aggregation operators with new information measures. *Measurement: Journal of the International Measurement Confederation*, **2019**, 138, 278-290	4.6	55
173	Some Generalized Complex Intuitionistic Fuzzy Aggregation Operators and Their Application to Multicriteria Decision-Making Process. *Arabian Journal for Science and Engineering*, **2019**, 44, 2679-2698	2.5	83
172	Some results on information measures for complex intuitionistic fuzzy sets. *International Journal of Intelligent Systems*, **2019**, 34, 2319-2363	8.4	49
171	Multiattribute decision making based on power operators for linguistic intuitionistic fuzzy set using set pair analysis. *Expert Systems*, **2019**, 36, e12428	2.1	14
170	Novel neutrality operation based Pythagorean fuzzy geometric aggregation operators for multiple attribute group decision analysis. *International Journal of Intelligent Systems*, **2019**, 34, 2459-2489	8.4	51
169	Exponential, Logarithmic and Compensative Generalized Aggregation Operators Under Complex Intuitionistic Fuzzy Environment. *Group Decision and Negotiation*, **2019**, 28, 991-1050	2.5	20
168	Entropy and distance measures of Pythagorean fuzzy soft sets and their applications. *Journal of Intelligent and Fuzzy Systems*, **2019**, 37, 4071-4084	1.6	35
167	Novel Exponential divergence measure of complex intuitionistic fuzzy sets with an application to decision-making process. *Scientia Iranica*, **2019**, 0-0	1.5	2
166	A novel divergence measure and its based TOPSIS method for multi criteria decision-making under single-valued neutrosophic environment. *Journal of Intelligent and Fuzzy Systems*, **2019**, 36, 101-115	1.6	39
165	An Innovative Approach towards Possibility Fuzzy Soft Ordered Semigroups for Ideals and Its Application. *Mathematics*, **2019**, 7, 1183	2.3	4
164	Multi-objective linear fractional inventory model with possibility and necessity constraints under generalised intuitionistic fuzzy set environment. *CAAI Transactions on Intelligence Technology*, **2019**, 4, 175-181	9.7	22
163	A novel approach for solving all-pairs shortest path problem in an interval-valued fuzzy network. *Journal of Intelligent and Fuzzy Systems*, **2019**, 37, 6865-6877	1.6	8
162	Spherical fuzzy soft sets and its applications in decision-making problems. *Journal of Intelligent and Fuzzy Systems*, **2019**, 37, 8237-8250	1.6	23
161	Some Novel Interactive Hybrid Weighted Aggregation Operators with Pythagorean Fuzzy Numbers and Their Applications to Decision Making. *Mathematics*, **2019**, 7, 1150	2.3	23
160	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. *Energies*, **2019**, 12, 4436	3.1	31
159	Generalized Cubic Intuitionistic Fuzzy Aggregation Operators Using t-Norm Operations and Their Applications to Group Decision-Making Process. *Arabian Journal for Science and Engineering*, **2019**, 44, 2775-2794	2.5	66

158	A robust correlation coefficient measure of complex intuitionistic fuzzy sets and their applications in decision-making. *Applied Intelligence*, **2019**, 49, 496-512	4.9	76
157	A hybrid GSA-GA algorithm for constrained optimization problems. *Information Sciences*, **2019**, 478, 499-523	7.7	127
156	Hesitant Pythagorean fuzzy Maclaurin symmetric mean operators and its applications to multiattribute decision-making process. *International Journal of Intelligent Systems*, **2019**, 34, 601-626	8.4	72
155	Intuitionistic Fuzzy Hamacher Aggregation Operators with Entropy Weight and Their Applications to Multi-criteria Decision-Making Problems. *Iranian Journal of Science and Technology - Transactions of Electrical Engineering*, **2019**, 43, 597-613	1.9	52
154	Some Root Level Modifications in Interval Valued Fuzzy Graphs and Their Generalizations Including Neutrosophic Graphs. *Mathematics*, **2019**, 7, 72	2.3	21
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