Muhammad Irfan Ali

List of Publications by Year
in descending order

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63	2,922	212478	190340
papers	citations	28 h-index	53 g-index

64	64	64	1062
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Topological approach to generalized soft rough sets via near concepts. Soft Computing, 2022, 26, 499-509.	2.1	9
2	Improved generalized dissimilarity measureâ€based VIKOR method for Pythagorean fuzzy sets. International Journal of Intelligent Systems, 2022, 37, 1807-1845.	3.3	31
3	q-Rung orthopair fuzzy soft aggregation operators based on Dombi t-norm and t-conorm with their applications in decision making. Journal of Intelligent and Fuzzy Systems, 2022, 43, 5685-5702.	0.8	4
4	Group-based generalized q-rung orthopair average aggregation operators and their applications in multi-criteria decision making. Complex & Intelligent Systems, 2021, 7, 123-144.	4.0	8
5	A new ranking technique for qâ€rung orthopair fuzzy values. International Journal of Intelligent Systems, 2021, 36, 558-592.	3.3	34
6	q-Rung Orthopair Fuzzy Modified Dissimilarity Measure Based Robust VIKOR Method and its Applications in Mass Vaccination Campaigns in the Context of COVID-19. IEEE Access, 2021, 9, 93497-93515.	2.6	15
7	EDAS Method for Multi-Criteria Group Decision Making Based on Intuitionistic Fuzzy Rough Aggregation Operators. IEEE Access, 2021, 9, 10199-10216.	2.6	51
8	Some Geometric Aggregation Operators Under q-Rung Orthopair Fuzzy Soft Information With Their Applications in Multi-Criteria Decision Making. IEEE Access, 2021, 9, 31975-31993.	2.6	24
9	Fuzzy soft covering-based multi-granulation fuzzy rough sets and their applications. Computational and Applied Mathematics, 2021, 40, 1.	1.0	25
10	Why do we need qâ€rung orthopair fuzzy sets? Some evidence established via mass assignment. International Journal of Intelligent Systems, 2021, 36, 5493-5505.	3.3	11
11	New Topological Approaches to Generalized Soft Rough Approximations with Medical Applications. Journal of Mathematics, 2021, 2021, 1-16.	0.5	16
12	Design concept evaluation using soft sets based on acceptable and satisfactory levels: an integrated TOPSIS and Shannon entropy. Soft Computing, 2020, 24, 2229-2263.	2.1	60
13	Soft linear programming: An application of soft vector spaces. Journal of Information and Optimization Sciences, 2020, 41, 679-704.	0.2	5
14	Pythagorean fuzzy soft rough sets and their applications in decision-making. Journal of Taibah University for Science, 2020, 14, 101-113.	1.1	36
15	Reduction of an information system. Soft Computing, 2020, 24, 10801-10813.	2.1	15
16	Generalized hesitant fuzzy rough sets (GHFRS) and their application in risk analysis. Soft Computing, 2020, 24, 14005-14017.	2.1	12
17	qâ€Rung orthopair fuzzy soft average aggregation operators and their application in multicriteria decisionâ€making. International Journal of Intelligent Systems, 2020, 35, 571-599.	3.3	86
18	Decision-Making Based on q-Rung Orthopair Fuzzy Soft Rough Sets. Mathematical Problems in Engineering, 2020, 2020, 1-21.	0.6	7

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19	Another View on Generalized Intuitionistic Fuzzy Soft Sets and Related Multiattribute Decision Making Methods. IEEE Transactions on Fuzzy Systems, 2019, 27, 474-488.	6.5	203
20	A graphical method for ranking Atanassov's intuitionistic fuzzy values using the uncertainty index and entropy. International Journal of Intelligent Systems, 2019, 34, 2692-2712.	3.3	43
21	Soft dominance based rough sets with applications in information systems. International Journal of Approximate Reasoning, 2019, 113, 171-195.	1.9	35
22	Soft covering based rough graphs and corresponding decision making. Open Mathematics, 2019, 17, 423-438.	0.5	7
23	Covering based q-rung orthopair fuzzy rough set model hybrid with TOPSIS for multi-attribute decision making. Journal of Intelligent and Fuzzy Systems, 2019, 37, 981-993.	0.8	49
24	Soft ordered approximations and incomplete information system. Journal of Intelligent and Fuzzy Systems, 2019, 36, 5653-5667.	0.8	1
25	Variable precision multi decision Î»-soft dominance based rough sets and their applications in conflict problems. Journal of Intelligent and Fuzzy Systems, 2019, 36, 5345-5360.	0.8	10
26	Covering-Based Spherical Fuzzy Rough Set Model Hybrid with TOPSIS for Multi-Attribute Decision-Making. Symmetry, 2019, 11, 547.	1.1	78
27	Rough Pythagorean fuzzy ideals in semigroups. Computational and Applied Mathematics, 2019, 38, 1.	1.0	32
28	Uncertainty measurement for neighborhood based soft covering rough graphs with applications. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2019, 113, 2515-2535.	0.6	8
29	A more efficient conflict analysis based on soft preference relation. Journal of Intelligent and Fuzzy Systems, 2018, 34, 283-293.	0.8	4
30	Generalized roughness in fuzzy filters and fuzzy ideals with thresholds in ordered semigroups. Computational and Applied Mathematics, 2018, 37, 5013-5033.	1.3	21
31	A survey of decision making methods based on two classes of hybrid soft set models. Artificial Intelligence Review, 2018, 49, 511-529.	9.7	106
32	Another View of Aggregation Operators on Group-Based Generalized Intuitionistic Fuzzy Soft Sets: Multi-Attribute Decision Making Methods. Symmetry, 2018, 10, 753.	1.1	41
33	New types of dominance based multi-granulation rough sets and their applications in conflict analysis problems. Journal of Intelligent and Fuzzy Systems, 2018, 35, 3859-3871.	0.8	23
34	Z-soft rough fuzzy graphs: A new approach to decision making. Journal of Intelligent and Fuzzy Systems, 2018, 35, 4879-4891.	0.8	2
35	Characterizations of Certain Types of Type 2 Soft Graphs. Discrete Dynamics in Nature and Society, 2018, 2018, 1-15.	0.5	7
36	A study of generalized roughness in -fuzzy filters of ordered semigroups. Journal of Taibah University for Science, 2018, 12, 163-172.	1.1	14

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37	Another view on q-rung orthopair fuzzy sets. International Journal of Intelligent Systems, 2018, 33, 2139-2153.	3.3	157
38	SDMGRS: Soft Dominance Based Multi Granulation Rough Sets and Their Applications in Conflict Analysis Problems. IEEE Access, 2018, 6, 31399-31416.	2.6	19
39	Best concept selection in design process: An application of generalized intuitionistic fuzzy soft sets. Journal of Intelligent and Fuzzy Systems, 2018, 35, 5707-5720.	0.8	36
40	Another Approach to Roughness of Soft Graphs with Applications in Decision Making. Symmetry, 2018, 10, 145.	1.1	11
41	A STUDY ON Z-SOFT ROUGH FUZZY SEMIGROUPS AND ITS DECISION-MAKING. , 2018, 8, 1-22.		4
42	Generalised roughness in (â^,â^Vq)-fuzzy substructures of LA-semigroups. Journal of the National Science Foundation of Sri Lanka, 2018, 46, 465.	0.1	2
43	Representation of graphs based on neighborhoods and soft sets. International Journal of Machine Learning and Cybernetics, 2017, 8, 1525-1535.	2.3	30
44	On a novel uncertain soft set model: Z -soft fuzzy rough set model and corresponding decision making methods. Applied Soft Computing Journal, 2017, 56, 446-457.	4.1	164
45	Applications of a kind of novel Z-soft fuzzy rough ideals to hemirings. Journal of Intelligent and Fuzzy Systems, 2017, 32, 2071-2082.	0.8	8
46	A New Type-2 Soft Set: Type-2 Soft Graphs and Their Applications. Advances in Fuzzy Systems, 2017, 2017, 1-17.	0.6	16
47	New results on type-2 soft sets. Hacettepe Journal of Mathematics and Statistics, 2017, 5, .	0.3	3
48	On lattice ordered soft sets. Applied Soft Computing Journal, 2015, 36, 499-505.	4.1	47
49	Soft Translations and Soft Extensions of BCI/BCK-Algebras. Scientific World Journal, The, 2014, 2014, 1-6.	0.8	0
50	Logic Connectives for Soft Sets and Fuzzy Soft Sets. IEEE Transactions on Fuzzy Systems, 2014, 22, 1431-1442.	6.5	34
51	Application of L-fuzzy soft sets to semirings. Journal of Intelligent and Fuzzy Systems, 2014, 27, 1731-1742.	0.8	4
52	Another approach to soft rough sets. Knowledge-Based Systems, 2013, 40, 72-80.	4.0	102
53	Some properties of generalized rough sets. Information Sciences, 2013, 224, 170-179.	4.0	53
54	Generalized fuzzy S-acts and their characterization by soft S-acts. Neural Computing and Applications, 2012, 21, 9-17.	3.2	4

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55	Roughness in hemirings. Neural Computing and Applications, 2012, 21, 171-180.	3.2	27
56	Another view on reduction of parameters in soft sets. Applied Soft Computing Journal, 2012, 12, 1814-1821.	4.1	84
57	Soft ideals and soft filters of soft ordered semigroups. Computers and Mathematics With Applications, 2011, 62, 3396-3403.	1.4	12
58	Algebraic structures of soft sets associated with new operations. Computers and Mathematics With Applications, 2011, 61, 2647-2654.	1.4	125
59	A note on soft sets, rough soft sets and fuzzy soft sets. Applied Soft Computing Journal, 2011, 11, 3329-3332.	4.1	238
60	Soft sets combined with fuzzy sets and rough sets: a tentative approach. Soft Computing, 2010, 14, 899-911.	2.1	528
61	SOFT IDEALS AND GENERALIZED FUZZY IDEALS IN SEMIGROUPS. New Mathematics and Natural Computation, 2009, 05, 599-615.	0.4	34
62	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mrow><mml:mo>(</mml:mo><mml:mi>Î±</mml:mi><mml:mo>,</mml:mo><mml:mi>Î²</mml:mi><mml:mo>)<ideals of hemirings. Computers and Mathematics With Applications, 2009, 58, 310-321.	1.4	45
63	Another view on knowledge measures in atanassov intuitionistic fuzzy sets. Soft Computing, 0, , .	2.1	2