Mumtaz Ali

List of Publications by Year
in descending order

77 papers	2,956 citations	147566 31 h-index	182168 51 g-index
79 all docs	79 docs citations	79 times ranked	2166 citing authors

#	Article	IF	Citations
1	Kernel Ridge Regression Hybrid Method for Wheat Yield Prediction with Satellite-Derived Predictors. Remote Sensing, 2022, 14, 1136.	1.8	16
2	Coupled online sequential extreme learning machine model with ant colony optimization algorithm for wheat yield prediction. Scientific Reports, 2022, 12, 5488.	1.6	13
3	On Development of Neutrosophic Cubic Graphs with Applications in Decision Sciences. Journal of Function Spaces, 2022, 2022, 1-24.	0.4	1
4	A study of plithogenic graphs: applications in spreading coronavirus disease (COVID-19) globally. Journal of Ambient Intelligence and Humanized Computing, 2022, , 1-21.	3.3	2
5	Development of data-driven models for wind speed forecasting in Australia. , 2021, , 143-190.		2
6	Forecasting standardized precipitation index using data intelligence models: regional investigation of Bangladesh. Scientific Reports, 2021, 11, 3435.	1.6	52
7	Low Cost and Centimeter-Level Global Positioning System Accuracy Using Real-Time Kinematic Library and Real-Time Kinematic GPSA. Recent Advances in Computer Science and Communications, 2021, 14, 360-367.	0.5	2
8	Novel short-term solar radiation hybrid model: Long short-term memory network integrated with robust local mean decomposition. Applied Energy, 2021, 298, 117193.	5.1	25
9	Self-supervised cross-iterative clustering for unlabeled plant disease images. Neurocomputing, 2021, 456, 36-48.	3.5	16
10	Advanced extreme learning machines vs. deep learning models for peak wave energy period forecasting: A case study in Queensland, Australia. Renewable Energy, 2021, 177, 1031-1044.	4.3	21
11	Spatiotemporal variability of multifractal properties of fineresolution daily gridded rainfall fields over India. Natural Hazards, 2021, 106, 1951-1979.	1.6	9
12	Variational mode decomposition based random forest model for solar radiation forecasting: New emerging machine learning technology. Energy Reports, 2021, 7, 6700-6717.	2.5	34
13	Multifractal characterization and cross correlations of reference evapotranspiration time series of India. European Physical Journal: Special Topics, 2021, 230, 3845-3859.	1.2	5
14	Feature selection strategy based on hybrid crow search optimization algorithm integrated with chaos theory and fuzzy c-means algorithm for medical diagnosis problems. Soft Computing, 2020, 24, 1565-1584.	2.1	130
15	Modeling wheat yield with data-intelligent algorithms. , 2020, , 37-87.		6
16	Monthly rainfall forecasting with Markov Chain Monte Carlo simulations integrated with statistical bivariate copulas. , 2020, , 89-105.		4
17	A New Representation of Intuitionistic Fuzzy Systems and Their Applications in Critical Decision Making. IEEE Intelligent Systems, 2020, 35, 6-17.	4.0	23
18	Prediction of evaporation in arid and semi-arid regions: a comparative study using different machine learning models. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 70-89.	1.5	44

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19	Resource levelling problem in construction projects under neutrosophic environment. Journal of Supercomputing, 2020, 76, 964-988.	2.4	15
20	A double decomposition-based modelling approach to forecast weekly solar radiation. Renewable Energy, 2020, 152, 9-22.	4.3	48
21	River suspended sediment load prediction based on river discharge information: application of newly developed data mining models. Hydrological Sciences Journal, 2020, 65, 624-637.	1.2	72
22	Representing complex intuitionistic fuzzy set by quaternion numbers and applications to decision making. Applied Soft Computing Journal, 2020, 87, 105961.	4.1	56
23	Forecasting long-term precipitation for water resource management: a new multi-step data-intelligent modelling approach. Hydrological Sciences Journal, 2020, 65, 2693-2708.	1.2	10
24	Near Real-Time Global Solar Radiation Forecasting at Multiple Time-Step Horizons Using the Long Short-Term Memory Network. Energies, 2020, 13, 3517.	1.6	27
25	Near real-time significant wave height forecasting with hybridized multiple linear regression algorithms. Renewable and Sustainable Energy Reviews, 2020, 132, 110003.	8.2	56
26	Multifractal Cross Correlation Analysis of Agro-Meteorological Datasets (Including Reference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	1.0	8
27	M-CFIS-R: Mamdani Complex Fuzzy Inference System with Rule Reduction Using Complex Fuzzy Measures in Granular Computing. Mathematics, 2020, 8, 707.	1.1	12
28	Development of Advanced Computer Aid Model for Shear Strength of Concrete Slender Beam Prediction. Applied Sciences (Switzerland), 2020, 10, 3811.	1.3	19
29	State-of-the Art-Powerhouse, Dam Structure, and Turbine Operation and Vibrations. Sustainability, 2020, 12, 1676.	1.6	19
30	Uncertainty assessments of linear time-cost tradeoffs using neutrosophic set. Computers and Industrial Engineering, 2020, 141, 106286.	3.4	27
31	Complete ensemble empirical mode decomposition hybridized with random forest and kernel ridge regression model for monthly rainfall forecasts. Journal of Hydrology, 2020, 584, 124647.	2.3	114
32	The Generalized Neutrosophic Cubic Aggregation Operators and Their Application to Multi-Expert Decision-Making Method. Symmetry, 2020, 12, 496.	1.1	7
33	Viability of the advanced adaptive neuro-fuzzy inference system model on reservoir evaporation process simulation: case study of Nasser Lake in Egypt. Engineering Applications of Computational Fluid Mechanics, 2019, 13, 878-891.	1.5	38
34	Novel Neutrosophic Cubic Graphs Structures With Application in Decision Making Problems. IEEE Access, 2019, 7, 94757-94778.	2.6	6
35	A new multi-criteria decision making algorithm for medical diagnosis and classification problems using divergence measure of picture fuzzy sets. Journal of Intelligent and Fuzzy Systems, 2019, 37, 7785-7796.	0.8	19
36	Hesitant Bipolar-Valued Neutrosophic Set: Formulation, Theory and Application. IEEE Access, 2019, 7, 176099-176114.	2.6	9

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37	Significant wave height forecasting via an extreme learning machine model integrated with improved complete ensemble empirical mode decomposition. Renewable and Sustainable Energy Reviews, 2019, 104, 281-295.	8.2	156
38	Improving SPI-derived drought forecasts incorporating synoptic-scale climate indices in multi-phase multivariate empirical mode decomposition model hybridized with simulated annealing and kernel ridge regression algorithms. Journal of Hydrology, 2019, 576, 164-184.	2.3	71
39	Load-carrying capacity and mode failure simulation of beam-column joint connection: Application of self-tuning machine learning model. Engineering Structures, 2019, 194, 220-229.	2.6	58
40	Algebraic Structures of Neutrosophic Triplets, Neutrosophic Duplets, or Neutrosophic Multisets. Symmetry, 2019, 11, 171.	1.1	2
41	Linguistic Approaches to Interval Complex Neutrosophic Sets in Decision Making. IEEE Access, 2019, 7, 38902-38917.	2.6	32
42	Dynamic interval valued neutrosophic set: Modeling decision making in dynamic environments. Computers in Industry, 2019, 108, 45-52.	5.7	32
43	Security Embedded Offloading Requirements for IoT-Fog Paradigm. , 2019, , .		3
44	Fuzzy and neutrosophic modeling for link prediction in social networks. Evolving Systems, 2019, 10, 629-634.	2.4	21
45	Designing a multi-stage multivariate empirical mode decomposition coupled with ant colony optimization and random forest model to forecast monthly solar radiation. Applied Energy, 2019, 236, 778-792.	5.1	136
46	Arithmetic Operations of Neutrosophic Sets, Interval Neutrosophic Sets and Rough Neutrosophic Sets. Studies in Fuzziness and Soft Computing, 2019, , 25-42.	0.6	5
47	A novel approach for fuzzy clustering based on neutrosophic association matrix. Computers and Industrial Engineering, 2019, 127, 687-697.	3.4	45
48	An intuitionistic fuzzy clustering algorithm based on a new correlation coefficient with application in medical diagnosis. Journal of Intelligent and Fuzzy Systems, 2019, 36, 189-198.	0.8	54
49	An ensemble-ANFIS based uncertainty assessment model for forecasting multi-scalar standardized precipitation index. Atmospheric Research, 2018, 207, 155-180.	1.8	70
50	H-max distance measure of intuitionistic fuzzy sets in decision making. Applied Soft Computing Journal, 2018, 69, 393-425.	4.1	114
51	Neutrosophic triplet group. Neural Computing and Applications, 2018, 29, 595-601.	3.2	45
52	Î-equality of intuitionistic fuzzy sets: a new proximity measure and applications in medical diagnosis. Applied Intelligence, 2018, 48, 499-525.	3.3	43
53	A neutrosophic recommender system for medical diagnosis based on algebraic neutrosophic measures. Applied Soft Computing Journal, 2018, 71, 1054-1071.	4.1	72
54	Interval Complex Neutrosophic Set: Formulation and Applications in Decision-Making. International Journal of Fuzzy Systems, 2018, 20, 986-999.	2.3	61

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55	Segmentation of dental X-ray images in medical imaging using neutrosophic orthogonal matrices. Expert Systems With Applications, 2018, 91, 434-441.	4.4	84
56	Link prediction in co-authorship networks based on hybrid content similarity metric. Applied Intelligence, 2018, 48, 2470-2486.	3.3	63
57	New Soft Set Based Class of Linear Algebraic Codes. Symmetry, 2018, 10, 510.	1.1	13
58	Global Solar Radiation Prediction Using Hybrid Online Sequential Extreme Learning Machine Model. Energies, 2018, 11, 3415.	1.6	41
59	Cotton yield prediction with Markov Chain Monte Carlo-based simulation model integrated with genetic programing algorithm: A new hybrid copula-driven approach. Agricultural and Forest Meteorology, 2018, 263, 428-448.	1.9	34
60	Systematic Review of Decision Making Algorithms in Extended Neutrosophic Sets. Symmetry, 2018, 10, 314.	1.1	34
61	Multi-stage hybridized online sequential extreme learning machine integrated with Markov Chain Monte Carlo copula-Bat algorithm for rainfall forecasting. Atmospheric Research, 2018, 213, 450-464.	1.8	65
62	Study on the Development of Neutrosophic Triplet Ring and Neutrosophic Triplet Field. Mathematics, 2018, 6, 46.	1.1	12
63	Multi-stage committee based extreme learning machine model incorporating the influence of climate parameters and seasonality on drought forecasting. Computers and Electronics in Agriculture, 2018, 152, 149-165.	3.7	58
64	Complex neutrosophic set. Neural Computing and Applications, 2017, 28, 1817-1834.	3.2	142
65	A Novel Clustering Algorithm in a Neutrosophic Recommender System for Medical Diagnosis. Cognitive Computation, 2017, 9, 526-544.	3.6	73
66	Neutrosophic recommender system for medical diagnosis based on algebraic similarity measure and clustering. , 2017, , .		6
67	Bipolar neutrosophic soft sets and applications in decision making. Journal of Intelligent and Fuzzy Systems, 2017, 33, 4077-4087.	0.8	69
68	Neutrosophic Sets and Logic. Advances in Computational Intelligence and Robotics Book Series, 2017, , 18-63.	0.4	1
69	Î´-equalities of neutrosophic sets. , 2016, , .		1
70	Interval valued bipolar fuzzy weighted neutrosophic sets and their application. , 2016, , .		10
71	The theory of neutrosophic cubic sets and their applications in pattern recognition. Journal of Intelligent and Fuzzy Systems, 2016, 30, 1957-1963.	0.8	82
72	Robot system identification using 3D simulation component applied on VIPRO platform. , 2016, , .		1

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73	Complex intuitionistic fuzzy classes. , 2016, , .		8
74	Operation Properties and delta-Equalities of Complex Fuzzy Classes. , 2015, , .		2
75	Bipolar neutrosophic sets and their application based on multi-criteria decision making problems. , 2015, , .		101
76	The Optimization of Intelligent Control Interfaces Using Versatile Intelligent Portable Robot Platform. Procedia Computer Science, 2015, 65, 225-232.	1.2	17
77	Shortest Path Problem under Bipolar Neutrosphic Setting. Applied Mechanics and Materials, 0, 859, 59-66.	0.2	40