Rashmi Bhardwaj

List of Publications by Year
in descending order

81	592	840776	677142
papers	citations	11	22
		h-index	g-index

90	90	90	515
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Hybridized wavelet neuronal learning-based modelling to predict novel COVID-19 effects in India and USA. European Physical Journal: Special Topics, 2022, , 1-18.	2.6	1
2	Convection Dynamics of Nanofluids for Temperature and Magnetic Field Variations. Advances in Intelligent Systems and Computing, 2021, , 271-289.	0.6	5
3	Development of Epidemiological Modeling RD-Covid-19 of Coronavirus Infectious Disease and Its Numerical Simulation. Infosys Science Foundation Series, 2021, , 245-277.	0.6	1
4	Chaotic Oscillation of Satellite due to Aerodynamic Torque. Advances in Astronomy, 2021, 2021, 1-12.	1.1	0
5	Molecular and Immunohistochemical Cognizance of HPV16 in Oral Leukoplakia, Oral Squamous Cell Carcinoma and Oropharyngeal Squamous Cell Carcinoma. Head and Neck Pathology, 2021, 15, 882-892.	2.6	2
6	Improvement in Explicit Prediction of Water Quality Using Wavelet-Based LSSVR and M5pRT. Complexity, 2021, 2021, 1-16.	1.6	0
7	Neuronal Brownian dynamics for salinity of river basins' water management. Neural Computing and Applications, 2021, 33, 11923-11936.	5.6	2
8	Recurrence analysis and synchronization of two resistively coupled Duffing-type oscillators. Nonlinear Dynamics, 2021, 104, 2127-2144.	5.2	2
9	Dynamical Indicator of Human Body's Physical Endurance. Nepal Journal of Mathematical Sciences, 2021, 2, 25-34.	0.1	0
10	Nonlinear dynamics for the spread of pathogenesis of COVID-19 pandemic. Journal of Infection and Public Health, 2021, 14, 817-831.	4.1	4
11	Machine learned hybrid Gaussian analysis of COVID-19 pandemic in India. Results in Physics, 2021, 30, 104630.	4.1	3
12	Study and Analysis of Time Series of Weather Data of Classification and Clustering Techniques. Advances in Intelligent Systems and Computing, 2021, , 257-270.	0.6	1
13	Modeling air quality index using optimized neuronal networks inspired by swarms. Environmental Engineering Research, 2021, 26, 200469-0.	2.5	2
14	Hybrid Models for Weather Parameter Forecasting. Complexity, 2021, 2021, 1-17.	1.6	1
15	Fractal analysis and machine-learned decision system for precision and smart farming. European Physical Journal: Special Topics, 2021, 230, 3955-3969.	2.6	3
16	Application of intelligent computing to develop performance index algorithm as a multicriteria decision making tool. International Journal of Intelligent Networks, 2020, 1, 85-91.	7.8	3
17	Data driven estimation of novel COVID-19 transmission risks through hybrid soft-computing techniques. Chaos, Solitons and Fractals, 2020, 140, 110152.	5.1	12
18	Development of model for sustainable nitrogen dioxide prediction using neuronal networks. International Journal of Environmental Science and Technology, 2020, 17, 2783-2792.	3.5	7

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19	Evolutionary Techniques for Optimizing Air Quality Model. Procedia Computer Science, 2020, 167, 1872-1879.	2.0	14
20	Water Quality Analysis Using Artificial Intelligence Conjunction with Wavelet Decomposition. Advances in Intelligent Systems and Computing, 2020, , 107-123.	0.6	3
21	Nonlinear Time Series Analysis of Pathogenesis of COVID-19 Pandemic Spread in Saudi Arabia. Computers, Materials and Continua, 2020, 66, 805-825.	1.9	9
22	Dispersion Analysis of Monthly Rainfall and Temperature Time Series, 1901â€"2015. Indian Journal of Industrial and Applied Mathematics, 2020, 11, 91.	0.1	2
23	Dynamical Forensic Inference for Malware in IoT-Based Wireless Transmissions. Advances in Wireless Technologies and Telecommunication Book Series, 2020, , 51-79.	0.4	1
24	Assessment of Stock Prices Variation Using Intelligent Machine Learning Techniques for the Prediction of BSE. Advances in Intelligent Systems and Computing, 2020, , 159-166.	0.6	1
25	Convection Dynamics of SiO2 Nanofluid. Advances in Intelligent Systems and Computing, 2020, , 389-397.	0.6	0
26	Computational Linguistic Analysis of Retail E-Commerce. , 2020, , 371-380.		0
27	Effect of magnetic and temperature variation on Al2O3 nanofluConvection. Mathematica Applicanda, 2020, 48, .	0.0	0
28	Recurrence quantification analysis of a three level trophic chain model. Heliyon, 2019, 5, e02182.	3.2	7
29	Variability analysis in PM2.5 monitoring. Data in Brief, 2019, 24, 103774.	1.0	7
30	Dynamic Indicator for the Prediction of Atmospheric Pollutants. Asian Journal of Water, Environment and Pollution, 2019, 16, 39-50.	0.5	6
31	Transient Weather Impact on Air Pollution. Indian Journal of Industrial and Applied Mathematics, 2019, 10, 139.	0.1	0
32	On Ecosystem Models, Chaos and Complexity. Indian Journal of Industrial and Applied Mathematics, 2019, 10, 118.	0.1	0
33	Chaos in Non-Linear Planar Oscillation of a Satellite in an Elliptic Orbit under the Influence of Aerodynamic Torque. Indian Journal of Industrial and Applied Mathematics, 2019, 10, 76.	0.1	0
34	Hybrid Fuzzified-PID Controller for non-linear Control Surfaces for DC Motor to Improve the Efficiency of Electric Battery Driven Vehicles. International Journal of Recent Technology and Engineering, 2019, 8, 2561-2568.	0.2	1
35	Weather Forecasting using Soft Computing Techniques. , 2018, , .		4
36	Stock Market Trend Analysis during Demonetization using Soft-Computing techniques. , 2018, , .		3

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37	Synchronisation of Satellite Motion Under the Influence of Aerodynamic Torque. Indian Journal of Industrial and Applied Mathematics, 2018, 9, 82.	0.1	0
38	Aerodynamic Torque Exhibits Resonance in Satellite Motion. Indian Journal of Industrial and Applied Mathematics, 2018, 9, 107.	0.1	0
39	Convection Dynamics of Fe3O4 Nanoparticles in Blood Fluid Flow. Indian Journal of Industrial and Applied Mathematics, 2018, 9, 23.	0.1	2
40	Asymptotic Stability Analysis Applied to Price Dynamics. Indian Journal of Industrial and Applied Mathematics, 2018, 9, 186.	0.1	0
41	Time Delay Stabilizes Chaos Dynamics in Economic System. International Journal of Mathematics Trends and Technology, 2018, 53, 515-524.	0.1	0
42	Accelerating order of convergence using secant type methods. Journal of Interdisciplinary Mathematics, 2017, 20, 417-426.	0.7	3
43	Fractal and variability analysis of simulations in ozone level due to oxides of nitrogen and sulphur. AIP Conference Proceedings, 2017, , .	0.4	0
44	Aerodynamic Torque exhibits non â€"resonance oscillation in satellite motion. Mathematica Applicanda, 2017, 44, .	0.0	1
45	Surface Roughness Effect on Dynamics of Carbon Nanotube. Indian Journal of Industrial and Applied Mathematics, 2017, 8, 24.	0.1	0
46	Interactive of Atmospheric Components in Environmental Cycle. Indian Journal of Industrial and Applied Mathematics, 2017, 8, 167.	0.1	0
47	Dynamical Complexities of Non-linear Physical and Biological Systems. Indian Journal of Industrial and Applied Mathematics, 2017, 8, 133.	0.1	0
48	Saturnâ€"Hyperion System Dynamics under the Influence of Aerodynamic Torque. Indian Journal of Industrial and Applied Mathematics, 2017, 8, 76.	0.1	0
49	Time series and predictability analysis of air pollutants in Delhi. , 2016, , .		5
50	Surface roughness effect on couple stress fluid lubricated Porous pivoted slider bearings. Journal of Information and Optimization Sciences, 2016, 37, 13-22.	0.3	4
51	Complex Dynamics of Meditating Body. Indian Journal of Industrial and Applied Mathematics, 2016, 7, 106.	0.1	7
52	Predictability and Wavelet Analysis of Air Pollutants for Commercial and Industrial Regions in Delhi. Indian Journal of Industrial and Applied Mathematics, 2016, 7, 165.	0.1	2
53	Nonlinear Modelling of Competitive Ecosystem. Indian Journal of Industrial and Applied Mathematics, 2016, 7, 11.	0.1	0
54	On Nonlinear Dynamics, Chaos and Complexities. Indian Journal of Industrial and Applied Mathematics, 2016, 7, 270.	0.1	0

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55	Statistical, time series, and fractal analysis of full stretch of river Yamuna (India) for water quality management. Environmental Science and Pollution Research, 2015, 22, 397-414.	5.3	54
56	River Water Prediction Modeling Using Neural Networks, Fuzzy and Wavelet Coupled Model. Water Resources Management, 2015, 29, 17-33.	3.9	60
57	Analysis and very short range forecast of cyclone â€œAILAâ€•with radar data assimilation with rapid intermittent cycle using ARPS 3DVAR and cloud analysis techniques. Meteorology and Atmospheric Physics, 2014, 124, 97-111.	2.0	7
58	Assimilation of Doppler Weather Radar Data in WRF Model for Simulation of Tropical Cyclone Aila. Pure and Applied Geophysics, 2014, 171, 2043-2072.	1.9	6
59	Fractal, predictability index and variability in trends analysis of river-water dynamics. International Journal of River Basin Management, 2014, 12, 285-297.	2.7	5
60	Location specific forecasting of maximum and minimum temperatures over India by using the statistical bias corrected output of global forecasting system. Journal of Earth System Science, 2014, 123, 1171-1195.	1.3	6
61	Forecasting quantitative rainfall over India using multi-model ensemble technique. Meteorology and Atmospheric Physics, 2014, 126, 31-48.	2.0	17
62	Real-time nowcast of a cloudburst and a thunderstorm event with assimilation of Doppler weather radar data. Natural Hazards, 2014, 70, 1357-1383.	3.4	16
63	Evaluation of statistical bias correction methods for numerical weather prediction model forecasts of maximum and minimum temperatures. Natural Hazards, 2014, 73, 1229-1254.	3.4	41
64	Water quality management using statistical analysis and time-series prediction model. Applied Water Science, 2014, 4, 425-434.	5.6	73
65	Trend, Time Series, and Wavelet Analysis of River Water Dynamics. Springer Proceedings in Mathematics and Statistics, 2014, , 479-490.	0.2	0
66	Time Series, Trend and Wavelet Analysis of Water Parameters. Indian Journal of Industrial and Applied Mathematics, 2014, 5, 1.	0.1	0
67	Assimilation of Doppler Weather Radar Data in WRF Model for Numerical Simulation of Structure of Cyclone Aila (2009) of the Bay of Bengal at the Time of Landfall. , 2014, , 309-318.		0
68	Impact of Doppler Weather Radar Data on Numerical Simulation of Heavy Rainfall. Indian Journal of Industrial and Applied Mathematics, 2014, 5, 64.	0.1	0
69	Rotational Oscillation of Satellite in Elliptic Orbit under Magnetic Torque. Indian Journal of Industrial and Applied Mathematics, 2014, 5, 17.	0.1	0
70	Water quality index and fractal dimension analysis of water parameters. International Journal of Environmental Science and Technology, 2013, 10, 151-164.	3.5	51
71	Wavelet and statistical analysis of river water quality parameters. Applied Mathematics and Computation, 2013, 219, 10172-10182.	2.2	42
72	Study of slip velocity effect on performance of magnetic fluid flow. Indian Journal of Industrial and Applied Mathematics, 2013, 4, 108.	0.1	0

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73	Chaos in Satellite Motion under Aerodynamic Torque. Indian Journal of Industrial and Applied Mathematics, 2013, 4, 68.	0.1	0
74	Statistical Bias Correction Methods for Numerical Weather Prediction Model (NWP) Forecasts of Maximum and Minimum Temperatures. Indian Journal of Industrial and Applied Mathematics, 2013, 4, 142.	0.1	0
75	Analysis of Water Parameters Using Daubechies Wavelet (Level 5) (Db5). American Journal of Mathematics and Statistics, 2012, 2, 57-63.	0.1	8
76	Assimilation of Indian Doppler Weather Radar observations for simulation of mesoscale features of a land-falling cyclone. Natural Hazards, 2011, 59, 1339-1355.	3.4	6
77	Bias-free rainfall forecast and temperature trend-based temperature forecast using T-170 model output during the monsoon season. Meteorological Applications, 2007, 14, 351-360.	2.1	21
78	Chaotic Attitude Tumbling of Satellite in Magnetic Field. American Journal of Applied Sciences, 2006, 3, 2037-2041.	0.2	3
79	Resonance in SatelliteÃ¢â¬â¢s Motion Under Air Drag. American Journal of Applied Sciences, 2006, 3, 2184-2189.	0.2	2
80	SatelliteÃ¢â¬â¢s Motion under the Effect of Magnetic Torque. American Journal of Applied Sciences, 2006, 3, 1899-1902.	0.2	3
81	Effect of perturbed potentials on the non-linear stability of libration pointL 4 in the restricted problem. Celestial Mechanics and Dynamical Astronomy, 1994, 59, 345-374.	1.4	20