Neeraj Bokde

List of Publications by Year
in descending order

52 papers	1,371 citations	331538 21 h-index	345118 36 g-index
58 all docs	58 docs citations	58 times ranked	960 citing authors

#	Article	IF	Citations
1	Efficient Pneumonia Detection in Chest Xray Images Using Deep Transfer Learning. Diagnostics, 2020, 10, 417.	1.3	179
2	A Review on Hybrid Empirical Mode Decomposition Models for Wind Speed and Wind Power Prediction. Energies, 2019, 12, 254.	1.6	115
3	Groundwater level prediction using machine learning models: A comprehensive review. Neurocomputing, 2022, 489, 271-308.	3.5	115
4	Investigations of Object Detection in Images/Videos Using Various Deep Learning Techniques and Embedded Platformsâ€"A Comprehensive Review. Applied Sciences (Switzerland), 2020, 10, 3280.	1.3	76
5	ForecastTBâ€"An R Package as a Test-Bench for Time Series Forecastingâ€"Application of Wind Speed and Solar Radiation Modeling. Energies, 2020, 13, 2578.	1.6	61
6	A novel imputation methodology for time series based on pattern sequence forecasting. Pattern Recognition Letters, 2018, 116, 88-96.	2.6	54
7	Hybridization of artificial intelligence models with nature inspired optimization algorithms for lake water level prediction and uncertainty analysis. AEJ - Alexandria Engineering Journal, 2021, 60, 2193-2208.	3.4	53
8	Analysis of differencing and decomposition preprocessing methods for wind speed prediction. Applied Soft Computing Journal, 2018, 71, 926-938.	4.1	49
9	An Overview of Demand Response in Smart Grid and Optimization Techniques for Efficient Residential Appliance Scheduling Problem. Energies, 2020, 13, 4266.	1.6	49
10	Short-term CO_2 emissions forecasting based on decomposition approaches and its impact on electricity market scheduling. Applied Energy, 2021, 281, 116061.	5.1	45
11	Smart Water Technology for Efficient Water Resource Management: A Review. Energies, 2020, 13, 6268.	1.6	40
12	Photoacoustic Imaging for Management of Breast Cancer: A Literature Review and Future Perspectives. Applied Sciences (Switzerland), 2020, 10, 767.	1.3	34
13	Hybrid Models for Water Demand Forecasting. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	1.3	34
14	Wind Turbine Power Curves Based on the Weibull Cumulative Distribution Function. Applied Sciences (Switzerland), 2018, 8, 1757.	1.3	28
15	A Review on State-of-the-Art Reviews in Wind-Turbine- and Wind-Farm-Related Topics. Energies, 2021, 14, 2041.	1.6	28
16	PSF: Introduction to R Package for Pattern Sequence Based Forecasting Algorithm. R Journal, 2017, 9, 324.	0.7	28
17	The Hybridization of Ensemble Empirical Mode Decomposition with Forecasting Models: Application of Short-Term Wind Speed and Power Modeling. Energies, 2020, 13, 1666.	1.6	26
18	Leakage Reduction in Water Distribution Systems with Efficient Placement and Control of Pressure Reducing Valves Using Soft Computing Techniques. Engineering, Technology & Applied Science Research, 2017, 7, 1528-1534.	0.8	26

#	Article	IF	Citations
19	A Comprehensive Review of Computer Vision in Sports: Open Issues, Future Trends and Research Directions. Applied Sciences (Switzerland), 2022, 12, 4429.	1.3	26
20	Hybrid Leakage Management for Water Network Using PSF Algorithm and Soft Computing Techniques. Water Resources Management, 2018, 32, 1133-1151.	1.9	23
21	An Exploratory Analysis on Visual Counterfeits Using Conv-LSTM Hybrid Architecture. IEEE Access, 2020, 8, 101293-101308.	2.6	23
22	A Survey of Efficient Demand-Side Management Techniques for the Residential Appliance Scheduling Problem in Smart Homes. Energies, 2022, 15, 2863.	1.6	21
23	A Comprehensive Review of Deep Learning Strategies in Retinal Disease Diagnosis Using Fundus Images. IEEE Access, 2022, 10, 57796-57823.	2.6	19
24	FashionFit: Analysis of Mapping 3D Pose and Neural Body Fit for Custom Virtual Try-On. IEEE Access, 2020, 8, 91603-91615.	2.6	18
25	Nodal Matrix Analysis for Optimal Pressure-Reducing Valve Localization in a Water Distribution System. Energies, 2020, 13, 1878.	1.6	16
26	R Package imputeTestbench to Compare Imputation Methods for Univariate Time Series. R Journal, 2018, 10, 218.	0.7	16
27	A graphical approach to carbon-efficient spot market scheduling for Power-to-X applications. Energy Conversion and Management, 2020, 224, 113461.	4.4	14
28	Solar Collectors Modeling and Controller Design for Solar Thermal Power Plant. IEEE Access, 2020, 8, 81425-81446.	2.6	14
29	LARNet: Real-Time Detection of Facial Micro Expression Using Lossless Attention Residual Network. Sensors, 2021, 21, 1098.	2.1	14
30	A Novel and Alternative Approach for Direct and Indirect Wind-Power Prediction Methods. Energies, 2018, 11, 2923.	1.6	12
31	Optimization techniques for leakage management in urban water distribution networks. Water Science and Technology: Water Supply, 2017, 17, 1638-1652.	1.0	10
32	Integrated Wind Farm Power Curve and Power Curve Distribution Function Considering the Wake Effect and Terrain Gradient. Energies, 2019, 12, 2482.	1.6	10
33	An empirical estimation for time and memory algorithm complexities: newly developed R package. Multimedia Tools and Applications, 2021, 80, 2997-3015.	2.6	10
34	Total Dissolved Salt Prediction Using Neurocomputing Models: Case Study of Gypsum Soil Within Iraq Region. IEEE Access, 2021, 9, 53617-53635.	2.6	10
35	cleanTS: Automated (AutoML) tool to clean univariate time series at microscales. Neurocomputing, 2022, 500, 155-176.	3.5	10
36	A Comparison Between Reconstruction Methods for Generation of Synthetic Time Series Applied to Wind Speed Simulation. IEEE Access, 2019, 7, 135386-135398.	2.6	9

#	Article	IF	Citations
37	Computer Modeling for the Operation Optimization of Mula Reservoir, Upper Godavari Basin, India, Using the Jaya Algorithm. Sustainability, 2020, 12, 84.	1.6	9
38	DeepPlayer-Track: Player and Referee Tracking With Jersey Color Recognition in Soccer. IEEE Access, 2022, 10, 32494-32509.	2.6	7
39	5D Gauss Map Perspective to Image Encryption with Transfer Learning Validation. Applied Sciences (Switzerland), 2022, 12, 5321.	1.3	7
40	Optimization of Layout and Pipe Sizes for Irrigation Pipe Distribution Network Using Steiner Point Concept. Mathematical Problems in Engineering, 2021, 2021, 1-12.	0.6	5
41	R Package imputeTestbench to Compare Imputation Methods for Univariate Time Series. R Journal, 2018, 10, 218-233.	0.7	5
42	Proposition of New Metaphor-Less Algorithms for Reservoir Operation. Complexity, 2021, 2021, 1-11.	0.9	4
43	The State-of-the-Art Progress in Cloud Detection, Identification, and Tracking Approaches: A Systematic Review. Energies, 2021, 14, 8119.	1.6	4
44	Natural Time Series Parameters Forecasting: Validation of the Pattern-Sequence-Based Forecasting (PSF) Algorithm; A New Python Package. Applied Sciences (Switzerland), 2022, 12, 6194.	1.3	4
45	Real-Time Abandoned Object Detection Using Video Surveillance. , 2016, , 837-843.		3
46	Partitioning of Water Distribution Network into District Metered Areas Using Existing Valves. CMES - Computer Modeling in Engineering and Sciences, 2022, 131, 1515-1537.	0.8	3
47	A Novel approach for Video based Fire Detection system using Spatial and Texture analysis. Indian Journal of Science and Technology, 2018, 11, 1-17.	0.5	2
48	RemoteWSN: A novel technique for remotely visualizing connectivity in WSN working on a weight based routing algorithm. , 2015, , .		1
49	A Strategy for Power Generation Optimization in a Hybrid Wind-BESS Power Plant. E3S Web of Conferences, 2019, 122, 04004.	0.2	1
50	PSF-Based Spectrum Occupancy Prediction in Cognitive Radio. Advances in Intelligent Systems and Computing, 2020, , 609-619.	0.5	1
51	Interior Point Algorithm Applied to the Optimization of the Power Supplied by a Wind Farm with a BESS. E3S Web of Conferences, 2019, 122, 04002.	0.2	0
52	GaitVision: Real-Time Extraction of Gait Parameters Using Residual Attention Network. Complexity, 2021, 2021, 1-15.	0.9	0