Bappa Das

List of Publications by Year
in descending order

40	903	471061	500791
papers	citations	17 h-index	28 g-index

41	41	41	901
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of integrated nutrient management practice on soil aggregate properties, its stability and aggregate-associated carbon content in an intensive riceâ€“wheat system. Soil and Tillage Research, 2014, 136, 9-18.	2.6	87
2	Optimization of energy consumption and environmental impacts of arecanut production through coupled data envelopment analysis and life cycle assessment. Journal of Cleaner Production, 2018, 203, 674-684.	4.6	69
3	Evaluation of multiple linear, neural network and penalised regression models for prediction of rice yield based on weather parameters for west coast of India. International Journal of Biometeorology, 2018, 62, 1809-1822.	1.3	68
4	Novel ensemble machine learning models in flood susceptibility mapping. Geocarto International, 2022, 37, 4571-4593.	1.7	56
5	Spectroscopy based novel spectral indices, PCA- and PLSR-coupled machine learning models for salinity stress phenotyping of rice. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 229, 117983.	2.0	50
6	Quantitative monitoring of sucrose, reducing sugar and total sugar dynamics for phenotyping of water-deficit stress tolerance in rice through spectroscopy and chemometrics. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 192, 41-51.	2.0	48
7	Comparison of different uni- and multi-variate techniques for monitoring leaf water status as an indicator of water-deficit stress in wheat through spectroscopy. Biosystems Engineering, 2017, 160, 69-83.	1.9	45
8	Innovative trend analysis of spatio-temporal variations of rainfall in India during 1901â€“2019. Theoretical and Applied Climatology, 2021, 145, 821-838.	1.3	39
9	Predicting climate change impacts on potential worldwide distribution of fall armyworm based on CMIP6 projections. Journal of Pest Science, 2022, 95, 841-854.	1.9	34
10	Spatio-temporal trends and variability of rainfall in Maharashtra, India: Analysis of 118 years. Theoretical and Applied Climatology, 2021, 143, 883-900.	1.3	32
11	Monitoring the Foliar Nutrients Status of Mango Using Spectroscopy-Based Spectral Indices and PLSR-Combined Machine Learning Models. Remote Sensing, 2021, 13, 641.	1.8	30
12	Application of thermal imaging and hyperspectral remote sensing for crop water deficit stress monitoring. Geocarto International, 2021, 36, 481-498.	1.7	29
13	Soil quality assessment of coastal salt-affected acid soils of India. Environmental Science and Pollution Research, 2020, 27, 26221-26238.	2.7	28
14	Monitoring properties of the salt-affected soils by multivariate analysis of the visible and near-infrared hyperspectral data. Catena, 2021, 198, 105041.	2.2	27
15	Evaluation of different water absorption bands, indices and multivariate models for water-deficit stress monitoring in rice using visible-near infrared spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119104.	2.0	24
16	Soil and water conservation measures improve soil carbon sequestration and soil quality under cashews. International Journal of Sediment Research, 2021, 36, 190-206.	1.8	22
17	Energy and carbon budgeting of traditional land use change with groundnut based cropping system for environmental quality, resilient soil health and farmers income in eastern Indian Himalayas. Journal of Environmental Management, 2021, 293, 112892.	3.8	21
18	Evaluating Fertilization Effects on Soil Physical Properties Using a Soil Quality Index in an Intensive Rice-Wheat Cropping System. Pedosphere, 2016, 26, 887-894.	2.1	20

#	Article	IF	Citations
19	Crop Status Index as an indicator of wheat crop growth condition under abiotic stress situations. Field Crops Research, 2015, 181, 16-31.	2.3	18
20	Effect of Organic Inputs on Strength and Stability of Soil Aggregates Under Rice-Wheat Rotation. International Agrophysics, 2014, 28, 163-168.	0.7	18
21	Thermal imaging and multivariate techniques for characterizing and screening wheat genotypes under water stress condition. Ecological Indicators, 2020, 119, 106829.	2.6	15
22	Comparative evaluation of linear and nonlinear weather-based models for coconut yield prediction in the west coast of India. International Journal of Biometeorology, 2020, 64, 1111-1123.	1.3	12
23	Comparative analysis of index and chemometric techniques-based assessment of leaf area index (LAI) in wheat through field spectroradiometer, Landsat-8, Sentinel-2 and Hyperion bands. Geocarto International, 2020, 35, 1415-1432.	1.7	11
24	Weather-Based Neural Network, Stepwise Linear and Sparse Regression Approach for Rabi Sorghum Yield Forecasting of Karnataka, India. Agronomy, 2020, 10, 1645.	1.3	11
25	Trends, variability, and teleconnections of long-term rainfall in the Terai region of India. Theoretical and Applied Climatology, 2021, 143, 291-307.	1.3	11
26	Manganese deficiency in wheat genotypes: Physiological responses and manganese deficiency tolerance index. Journal of Plant Nutrition, 2017, 40, 2691-2708.	0.9	10
27	A five years study on the selection of rice based cropping systems in Goa, for west coast region of India. Journal of Environmental Biology, 2018, 39, 393-399.	0.2	10
28	Discrimination of rice genotypes using field spectroradiometry. Geocarto International, 2020, 35, 64-77.	1.7	8
29	Measuring leaf area index from colour digital image of wheat crop. Journal of Agrometeorology, 2016, 18, 22-28.	0.2	8
30	Hyperspectral Remote Sensing: Use in Detecting Abiotic Stresses in Agriculture. , 2018, , 317-335.		7
31	Farmersâ€™ Perception and Efficacy of Adaptation Decisions to Climate Change. Agronomy, 2022, 12, 1023.	1.3	7
32	Long-term spatiotemporal trends of temperature associated with sugarcane in west India. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	6
33	Novel combination artificial neural network models could not outperform individual models for weather-based cashew yield prediction. International Journal of Biometeorology, 2022, 66, 1627-1638.	1.3	5
34	Long-Term Effect of Various Organic and Inorganic Nutrient Sources on Rice Yield and Soil Quality in West Coast India Using Suitable Indexing Techniques. Communications in Soil Science and Plant Analysis, 2021, 52, 1819-1833.	0.6	4
35	Innovative trend analysis of rainfall in relation to soybean productivity over western Maharashtra. Journal of Agrometeorology, 2021, 23, 228-235.	0.2	4
36	Comparison of soil quality indexing methods for salt-affected soils of Indian coastal region. Environmental Earth Sciences, 2021, 80, 1.	1.3	4

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37	Predicting Post-Harvest Soil Test Values in Hybrid Rice (Oryza Sativa L.) â€“ Wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Ov Science and Plant Analysis, 2019, 50, 1624-1639.	0.6	3
38	Next generation phenotyping for developing climate resilient rice varieties. Oryza, 2019, 56, 92-105.	0.2	1
39	Next generation phenotyping for developing climate resilient rice varieties. Oryza, 2019, 56, 92-105.	0.2	0
40	Rainfall analysis across the north east Indian state of Tripura. Journal of Agrometeorology, 2021, 23, 471-475.	0.2	0