Lalit Kumar

List of Publications by Year
in descending order

350 papers	13,464 citations	30070 54 h-index	34986 98 g-index
355 all docs	355 docs citations	355 times ranked	14992 citing authors

#	Article	IF	Citations
1	Self‐Organization of Vegetation in Arid Ecosystems. American Naturalist, 2002, 160, 524-530.	2.1	608
2	EFFECTS OF FIRE AND HERBIVORY ON THE STABILITY OF SAVANNA ECOSYSTEMS. Ecology, 2003, 84, 337-350.	3.2	585
3	Modelling topographic variation in solar radiation in a GIS environment. International Journal of Geographical Information Science, 1997, 11, 475-497.	4.8	433
4	Google Earth Engine Applications Since Inception: Usage, Trends, and Potential. Remote Sensing, 2018, 10, 1509.	4.0	402
5	A review of data assimilation of remote sensing and crop models. European Journal of Agronomy, 2018, 92, 141-152.	4.1	325
6	Comparative assessment of the measures of thematic classification accuracy. Remote Sensing of Environment, 2007, 107, 606-616.	11.0	322
7	Google Earth Engine Applications. Remote Sensing, 2019, 11, 591.	4.0	262
8	Soil Salinity Mapping and Monitoring in Arid and Semi-Arid Regions Using Remote Sensing Technology: A Review. Advances in Remote Sensing, 2013, 02, 373-385.	0.9	256
9	Digital soil mapping algorithms and covariates for soil organic carbon mapping and their implications: A review. Geoderma, 2019, 352, 395-413.	5.1	228
10	Assessing soil salinity using soil salinity and vegetation indices derived from IKONOS high-spatial resolution imageries: Applications in a date palm dominated region. Geoderma, 2014, 230-231, 1-8.	5.1	221
11	TSLP acts on infiltrating effector T cells to drive allergic skin inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11875-11880.	7.1	219
12	Chapter 3 Cellular and Molecular Mechanisms in Atopic Dermatitis. Advances in Immunology, 2009, 102, 135-226.	2.2	207
13	A comparison of absolute performance of different correlative and mechanistic species distribution models in an independent area. Ecology and Evolution, 2016, 6, 5973-5986.	1.9	193
14	Climate change and variability in Kenya: a review of impacts on agriculture and food security. Environment, Development and Sustainability, 2021, 23, 23-43.	5.0	174
15	Monitoring the coastline change of Hatiya Island in Bangladesh using remote sensing techniques. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 101, 137-144.	11.1	159
16	Remote Sensing of Above-Ground Biomass. Remote Sensing, 2017, 9, 935.	4.0	153
17	Spatial Heterogeneity and Irreversible Vegetation Change in Semiarid Grazing Systems. American Naturalist, 2002, 159, 209-218.	2.1	144
18	Land Degradation by Soil Erosion in Nepal: A Review. Soil Systems, 2019, 3, 12.	2.6	135

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19	Evaluating the application of the statistical index method in flood susceptibility mapping and its comparison with frequency ratio and logistic regression methods. Geomatics, Natural Hazards and Risk, 2019, 10, 79-101.	4.3	130
20	Electric propulsion system for electric vehicular technology: A review. Renewable and Sustainable Energy Reviews, 2014, 29, 924-940.	16.4	122
21	Review of the use of remote sensing for biomass estimation to support renewable energy generation. Journal of Applied Remote Sensing, 2015, 9, 097696.	1.3	120
22	Global alterations in areas of suitability for maize production from climate change and using a mechanistic species distribution model (CLIMEX). Scientific Reports, 2017, 7, 5910.	3.3	120
23	Invasive alien plant species dynamics in the Himalayan region under climate change. Ambio, 2018, 47, 697-710.	5.5	117
24	Mapping and Modelling Spatial Variation in Soil Salinity in the Al Hassa Oasis Based on Remote Sensing Indicators and Regression Techniques. Remote Sensing, 2014, 6, 1137-1157.	4.0	115
25	Multiple-input DC/DC converter topology for hybrid energy system. IET Power Electronics, 2013, 6, 1483-1501.	2.1	110
26	Production and optimization of cellulase-free, alkali-stable xylanase by Bacillus pumilus SV-85S in submerged fermentation. Journal of Industrial Microbiology and Biotechnology, 2010, 37, 71-83.	3.0	104
27	Estimating tropical pasture quality at canopy level using band depth analysis with continuum removal in the visible domain. International Journal of Remote Sensing, 2005, 26, 1093-1108.	2.9	103
28	Monitoring river channel dynamics using remote sensing and GIS techniques. Geomorphology, 2019, 325, 92-102.	2.6	101
29	Modeling dengue fever risk based on socioeconomic parameters, nationality and age groups: GIS and remote sensing based case study. Science of the Total Environment, 2011, 409, 4713-4719.	8.0	99
30	Hybrid topology of symmetrical multilevel inverter using less number of devices. IET Power Electronics, 2015, 8, 2125-2135.	2.1	99
31	Climate change and the potential global distribution of Aedes aegypti: spatial modelling using geographical information system and CLIMEX. Geospatial Health, 2014, 8, 405.	0.8	98
32	Comparison between meteorological data and farmer perceptions of climate change and vulnerability in relation to adaptation. Journal of Environmental Management, 2019, 237, 54-62.	7.8	98
33	Predictive Modeling and Mapping of Malayan Sun Bear (Helarctos malayanus) Distribution Using Maximum Entropy. PLoS ONE, 2012, 7, e48104.	2.5	98
34	Leucine-rich repeat containing 8A (LRRC8A) is essential for T lymphocyte development and function. Journal of Experimental Medicine, 2014, 211, 929-942.	8.5	95
35	Climate Change Impacts on the Future Distribution of Date Palms: A Modeling Exercise Using CLIMEX. PLoS ONE, 2012, 7, e48021.	2.5	94
36	Climate Change and the Potential Distribution of an Invasive Shrub, Lantana camara L. PLoS ONE, 2012, 7, e35565.	2.5	90

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37	Modeling the climate suitability of tea [Camellia sinensis(L.) O. Kuntze] in Sri Lanka in response to current and future climate change scenarios. Agricultural and Forest Meteorology, 2019, 272-273, 102-117.	4.8	85
38	The application of a Dempsterâ€"Shafer-based evidential belief function in flood susceptibility mapping and comparison with frequency ratio and logistic regression methods. Environmental Earth Sciences, 2018, 77, 1.	2.7	84
39	IL-23 induced in keratinocytes by endogenous TLR4 ligands polarizes dendritic cells to drive IL-22 responses to skin immunization. Journal of Experimental Medicine, 2016, 213, 2147-2166.	8.5	79
40	Sustainable livelihoods through conservation of wetland resources: a case of economic benefits from Ghodaghodi Lake, western Nepal. Ecology and Society, 2015, 20, .	2.3	76
41	Sustainability of Coastal Agriculture under Climate Change. Sustainability, 2019, 11, 7200.	3.2	75
42	Investigating the Use of Remote Sensing and GIS Techniques to Detect Land Use and Land Cover Change: A Review. Advances in Remote Sensing, 2013, 02, 193-204.	0.9	75
43	Differential role of SLP-76 domains in T cell development and function. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 884-889.	7.1	73
44	Imaging Spectrometry and Vegetation Science. Remote Sensing and Digital Image Processing, 2002, , 111-155.	0.7	73
45	Future climate effects on suitability for growth of oil palms in Malaysia and Indonesia. Scientific Reports, 2015, 5, 14457.	3.3	73
46	Vegetation, terrain and fire history shape the impact of extreme weather on fire severity and ecosystem response. Journal of Vegetation Science, 2014, 25, 1033-1044.	2.2	71
47	Estimation of Winter Wheat Biomass and Yield by Combining the AquaCrop Model and Field Hyperspectral Data. Remote Sensing, 2016, 8, 972.	4.0	71
48	Impact of climate-smart agriculture adoption on the food security of coastal farmers in Bangladesh. Food Security, 2018, 10, 1073-1088.	5.3	70
49	Improvement to the prediction of the USLE K factor. Geomorphology, 2014, 204, 229-234.	2.6	63
50	Mapping Long-Term Changes in Mangrove Species Composition and Distribution in the Sundarbans. Forests, 2016, 7, 305.	2.1	63
51	Immobilization of xylanase on glutaraldehyde activated aluminum oxide pellets for increasing digestibility of poultry feed. Process Biochemistry, 2012, 47, 1402-1410.	3.7	62
52	Future distributions of Fusarium oxysporum f. spp. in European, Middle Eastern and North African agricultural regions under climate change. Agriculture, Ecosystems and Environment, 2014, 197, 96-105.	5.3	62
53	Crop niche modeling projects major shifts in common bean growing areas. Agricultural and Forest Meteorology, 2016, 218-219, 102-113.	4.8	62
54	Assessing the impact of climate change on the worldwide distribution of *Dalbulus maidis* (DeLong) using MaxEnt. Pest Management Science, 2019, 75, 2706-2715.	3.4	60

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55	Oleic acid vesicles: a new approach for topical delivery of antifungal agent. Artificial Cells, Nanomedicine and Biotechnology, 2014, 42, 95-101.	2.8	58
56	Exposure of coastal built assets in the South Pacific to climate risks. Nature Climate Change, 2015, 5, 992-996.	18.8	57
57	Urban Land Cover Change Modelling Using Time-Series Satellite Images: A Case Study of Urban Growth in Five Cities of Saudi Arabia. Remote Sensing, 2016, 8, 838.	4.0	57
58	Identification of the Most Suitable Probability Distribution Models for Maximum, Minimum, and Mean Streamflow. Water (Switzerland), 2019, 11, 734.	2.7	56
59	A multiple source DC/DC converter topology. International Journal of Electrical Power and Energy Systems, 2013, 51, 278-291.	5.5	55
60	Application of remote sensing and GIS-based hydrological modelling for flood risk analysis: a case study of District 8, Ho Chi Minh city, Vietnam. Geomatics, Natural Hazards and Risk, 2017, 8, 1792-1811.	4.3	55
61	Gelation and Breakage Behavior of Model Waxâ€"Oil Systems: Rheological Properties and Model Development. Industrial & Engineering Chemistry Research, 2012, 51, 8123-8133.	3.7	53
62	Potential distribution of an invasive species under climate change scenarios using CLIMEX and soil drainage: A case study of Lantana camara L. in Queensland, Australia. Journal of Environmental Management, 2013, 114, 414-422.	7.8	53
63	A novel GIS-based ensemble technique for flood susceptibility mapping using evidential belief function and support vector machine: Brisbane, Australia. PeerJ, 2019, 7, e7653.	2.0	53
64	Climate change and potential impacts on agriculture in Bhutan: a discussion of pertinent issues. Agriculture and Food Security, 2018, 7, .	4.2	51
65	Land Use and Land Cover Change Detection in the Saudi Arabian Desert Cities of Makkah and Al-Taif Using Satellite Data. Advances in Remote Sensing, 2014, 03, 106-119.	0.9	51
66	Mapping global risk levels of Bemisia tabaci in areas of suitability for open field tomato cultivation under current and future climates. PLoS ONE, 2018, 13, e0198925.	2.5	50
67	Invasive weed speciesâ€™ threats to global biodiversity: Future scenarios of changes in the number of invasive species in a changing climate. Ecological Indicators, 2020, 116, 106436.	6.3	50
68	Risk of spread of tomato yellow leaf curl virus (TYLCV) in tomato crops under various climate change scenarios. Agricultural Systems, 2019, 173, 524-535.	6.1	49
69	Immobilization of xylanase purified from Bacillus pumilus VLK-1 and its application in enrichment of orange and grape juices. Journal of Food Science and Technology, 2014, 51, 1737-1749.	2.8	48
70	The greening of the Himalayas and Tibetan Plateau under climate change. Global and Planetary Change, 2017, 159, 77-92.	3.5	48
71	Gelation Behavior of Model Waxâ€"Oil and Crude Oil Systems and Yield Stress Model Development. Energy & Fuels, 2012, 26, 6323-6331.	5.1	46
72	Classifying Pacific islands. Geoscience Letters, 2016, 3, .	3.3	46

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73	Modelling Climate Suitability for Rainfed Maize Cultivation in Kenya Using a Maximum Entropy (MaxENT) Approach. Agronomy, 2019, 9, 727.	3.0	46
74	Modeling the Potential Distribution of Pine Forests Susceptible to <i>Sirex Noctilio</i> Infestations in Mpumalanga, South Africa. Transactions in GIS, 2010, 14, 709-726.	2.3	45
75	Estimating Biomass of Native Grass Grown under Complex Management Treatments Using WorldView-3 Spectral Derivatives. Remote Sensing, 2017, 9, 55.	4.0	45
76	Hyper production of alkali stable xylanase in lesser duration by Bacillus pumilus SV-85S using wheat bran under solid state fermentation. New Biotechnology, 2011, 28, 581-587.	4.4	44
77	Vaccinia virus inoculation in sites of allergic skin inflammation elicits a vigorous cutaneous IL-17 response. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14954-14959.	7.1	43
78	Hydro-Climatic Variability: A Characterisation and Trend Study of the Awash River Basin, Ethiopia. Hydrology, 2019, 6, 35.	3.0	43
79	Monitoring Mangrove forest landcover changes in the coastline of Bangladesh from 1976 to 2015. Geocarto International, 2019, 34, 1458-1476.	3.5	42
80	Assessment of Potential Land Suitability for Tea (Camellia sinensis (L.) O. Kuntze) in Sri Lanka Using a GIS-Based Multi-Criteria Approach. Agriculture (Switzerland), 2019, 9, 148.	3.1	42
81	Leaf level experiments to discriminate between eucalyptus species using high spectral resolution reflectance data: use of derivatives, ratios and vegetation indices. Geocarto International, 2010, 25, 327-344.	3.5	41
82	Mapping salt-marsh land-cover vegetation using high-spatial and hyperspectral satellite data to assist wetland inventory. GIScience and Remote Sensing, 2014, 51, 483-497.	5.9	41
83	Invasive Plant Species Establishment and Range Dynamics in Sri Lanka under Climate Change. Entropy, 2019, 21, 571.	2.2	41
84	Meteorological data and farmers' perception of coastal climate in Bangladesh. Science of the Total Environment, 2020, 704, 135384.	8.0	41
85	Vulnerability and impacts of climate change on forest and freshwater wetland ecosystems in Nepal: A review. Ambio, 2017, 46, 915-930.	5.5	41
86	Temporal Variability and Trends of Rainfall and Streamflow in Tana River Basin, Kenya. Sustainability, 2017, 9, 1963.	3.2	39
87	Structural Requirements of SLP-76 in Signaling via the High-Affinity Immunoglobulin E Receptor (FcÎµRI) in Mast Cells. Molecular and Cellular Biology, 2003, 23, 2395-2406.	2.3	38
88	Development of fault‑tolerant MLI topology. IET Power Electronics, 2018, 11, 1416-1424.	2.1	38
89	An instant and facile bromination of industrially-important aromatic compounds in water using recyclable CaBr2â€"Br2 system. Green Chemistry, 2011, 13, 2187.	9.0	37
90	Potentiating Metronidazole Scaffold against Resistant Trichomonas: Design, Synthesis, Biology and 3Dâ€"QSAR Analysis. ACS Medicinal Chemistry Letters, 2012, 3, 83-87.	2.8	37

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91	Risk Levels of Invasive Fusarium oxysporum f. sp. in Areas Suitable for Date Palm (Phoenix dactylifera) Cultivation under Various Climate Change Projections. PLoS ONE, 2013, 8, e83404.	2.5	37
92	Spatial assessment of soil erosion in a hilly watershed of Western Nepal. Environmental Earth Sciences, 2018, 77, 1.	2.7	37
93	Carbodithioic acid esters of fluoxetine, a novel class of dual-function spermicides. European Journal of Medicinal Chemistry, 2008, 43, 2247-2256.	5.5	36
94	Efficient and Facile Chlorination of Industrially-Important Aromatic Compounds using NaCl/<i>p</i>-TsOH/NCS in Aqueous Media. Industrial & Engineering Chemistry Research, 2012, 51, 3881-3886.	3.7	36
95	Leucine-rich repeat containing 8A (LRRC8A) â€"dependent volume-regulated anion channel activity is dispensable for T-cell development and function. Journal of Allergy and Clinical Immunology, 2017, 140, 1651-1659.e1.	2.9	36
96	Catchment-Wide Wetland Assessment and Prioritization Using the Multi-Criteria Decision-Making Method TOPSIS. Environmental Management, 2006, 38, 316-326.	2.7	35
97	A comparison of reflectance characteristics of some Australian eucalyptus species based on high spectral resolution data â€" discriminating using the visible and NIR regions. Journal of Spatial Science, 2007, 52, 51-64.	1.5	35
98	Imidazole derivatives as possible microbicides with dual protection. European Journal of Medicinal Chemistry, 2010, 45, 817-824.	5.5	35
99	Assessing the risk for dengue fever based on socioeconomic and environmental variables in a geographical information system environment. Geospatial Health, 2012, 6, 171.	0.8	35
100	Modeling spatio-temporal risk changes in the incidence of dengue fever in Saudi Arabia: a geographical information system case study. Geospatial Health, 2011, 6, 77.	0.8	34
101	Soil salinity and vegetation cover change detection from multi-temporal remotely sensed imagery in Al Hassa Oasis in Saudi Arabia. Geocarto International, 2018, 33, 830-846.	3.5	34
102	Design and RF Characterization of W-band Meander-Line and Folded-Waveguide Slow-Wave Structures for TWTs. IEEE Transactions on Electron Devices, 2013, 60, 1769-1775.	3.0	33
103	Modulation of xylanase production from alkaliphilic Bacillus pumilus VLK-1 through process optimization and temperature shift operation. 3 Biotech, 2014, 4, 345-356.	2.2	33
104	Changing global risk of invading greenbug Schizaphis graminum under climate change. Crop Protection, 2016, 88, 137-148.	2.1	33
105	Potential risk levels of invasive <i>Neoleucinodes elegantalis</i> (small tomato borer) in areas optimal for openâ€field <i>Solanum lycopersicum</i> (tomato) cultivation in the present and under predicted climate change. Pest Management Science, 2017, 73, 616-627.	3.4	33
106	Analysis of spatio-temporal dynamics of land use and cover changes in Western Kenya. Geocarto International, 2021, 36, 376-391.	3.5	33
107	Global risk levels for corn rusts (<i>Puccinia sorghi</i> and <i>Puccinia polysora</i>) under climate change projections. Journal of Phytopathology, 2017, 165, 563-574.	1.0	32
108	An assessment of the impact of urbanization and land use changes in the fast-growing cities of Saudi Arabia. Geocarto International, 2019, 34, 78-97.	3.5	32

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109	Mapping of land-use/land-cover changes and its dynamics in Awash River Basin using remote sensing and GIS. Remote Sensing Applications: Society and Environment, 2020, 19, 100352.	1.5	32
110	Novel Trichomonacidal Spermicides. Antimicrobial Agents and Chemotherapy, 2011, 55, 4343-4351.	3.2	31
111	Estimation of Sediment Yield and Maximum Outflow Using the IntErO Model in the Sarada River Basin of Nepal. Water (Switzerland), 2019, 11, 952.	2.7	31
112	Spatiotemporal Variation of Urban Heat Islands for Implementing Nature-Based Solutions: A Case Study of Kurunegala, Sri Lanka. ISPRS International Journal of Geo-Information, 2020, 9, 461.	2.9	31
113	Sensitivity Analysis of CLIMEX Parameters in Modelling Potential Distribution of Lantana camara L.. PLoS ONE, 2012, 7, e40969.	2.5	31
114	Fine-scale spatial distribution of plants and resources on a sandy soil in the Sahel. Plant and Soil, 2002, 239, 69-77.	3.7	29
115	Future climate and habitat distribution of Himalayan Musk Deer (Moschus chrysogaster). Ecological Informatics, 2018, 44, 101-108.	5.2	29
116	Remote Sensing Approach for Monitoring Coastal Wetland in the Mekong Delta, Vietnam: Change Trends and Their Driving Forces. Remote Sensing, 2021, 13, 3359.	4.0	29
117	Use of Darwinian Particle Swarm Optimization technique for the segmentation of Remote Sensing images. , 2012, , .		28
118	Soil erosion susceptibility mapping for current and 2100 climate conditions using evidential belief function and frequency ratio. Geomatics, Natural Hazards and Risk, 2017, 8, 1695-1714.	4.3	28
119	Impact of Land Use/Cover Changes on Soil Erosion in Western Kenya. Sustainability, 2020, 12, 9740.	3.2	28
120	Modeling and Mapping of Soil Salinity and its Impact on Paddy Lands in Jaffna Peninsula, Sri Lanka. Sustainability, 2020, 12, 8317.	3.2	28
121	Prediction of Bhutan's ecological distribution of rice (<i>Oryza sativa</i>L.) under the impact of climate change through maximum entropy modelling. Journal of Agricultural Science, 2020, 158, 25-37.	1.3	28
122	Assessing the Impacts of Tillage and Mulch on Soil Erosion and Corn Yield. Agronomy, 2020, 10, 63.	3.0	28
123	Relationship between vegetation growth rates at the onset of the wet season and soil type in the Sahel of Burkina Faso: implications for resource utilisation at large scales. Ecological Modelling, 2002, 149, 143-152.	2.5	27
124	Independent two-step thresholding of binary images in inter-annual land cover change/no-change identification. ISPRS Journal of Photogrammetry and Remote Sensing, 2013, 81, 31-43.	11.1	27
125	Airborne LiDAR derived canopy height model reveals a significant difference in radiata pine (Pinus) Tj ETQq1 1 0.784314 rgBT /Overlock 733-744.	1.9	27
126	Improving image classification in a complex wetland ecosystem through image fusion techniques. Journal of Applied Remote Sensing, 2014, 8, 083616.	1.3	26

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127	Projected future distribution of date palm and its potential use in alleviating micronutrient deficiency. Journal of the Science of Food and Agriculture, 2016, 96, 1132-1140.	3.5	26
128	Projected shifts in the distribution range of Asiatic black bear (Ursus thibetanus) in the Hindu Kush Himalaya due to climate change. Ecological Informatics, 2021, 63, 101312.	5.2	26
129	Sensitivity Analysis of CLIMEX Parameters in Modeling Potential Distribution of Phoenix dactylifera L.. PLoS ONE, 2014, 9, e94867.	2.5	26
130	Impact of interfacial interactions on optical and ammonia sensing in zinc oxide/polyaniline structures. Bulletin of Materials Science, 2013, 36, 647-652.	1.7	25
131	Fundamentals of Power Electronics Controlled Electric Propulsion. , 2018, , 1023-1065.		25
132	MIC for reliable and efficient harvesting of solar energy. IET Power Electronics, 2019, 12, 267-275.	2.1	25
133	Neglected and Underutilized Fruit Species in Sri Lanka: Prioritisation and Understanding the Potential Distribution under Climate Change. Agronomy, 2020, 10, 34.	3.0	25
134	Discovery of novel antitubercular 3a,4-dihydro-3H-indeno[1,2-c]pyrazole-2-carboxamide/carbothioamide analogues. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5259-5261.	2.2	24
135	Rapid appraisal of rainfall threshold and selected landslides in Baguio, Philippines. Natural Hazards, 2015, 78, 1587-1607.	3.4	24
136	Land use change affects water erosion in the Nepal Himalayas. PLoS ONE, 2020, 15, e0231692.	2.5	24
137	Cdc42 interacting protein 4 (CIP4) is essential for integrin-dependent T-cell trafficking. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16252-16256.	7.1	23
138	Land cover change detection of Hatiya Island, Bangladesh, using remote sensing techniques. Journal of Applied Remote Sensing, 2012, 6, 063608.	1.3	23
139	Bromination of Deactivated Aromatic Compounds with Sodium Bromide/Sodium Periodate under Mild Acidic Conditions. Industrial & Engineering Chemistry Research, 2012, 51, 11593-11597.	3.7	23
140	Rank-Based Methods for Selection of Landscape Metrics for Land Cover Pattern Change Detection. Remote Sensing, 2016, 8, 107.	4.0	23
141	Modelling the current and potential future distributions of the sunn pest <i>Eurygaster integriceps</i> (Hemiptera: Scutelleridae) using <scp>CLIMEX</scp>. Pest Management Science, 2016, 72, 1989-2000.	3.4	23
142	Soil erodibility and its prediction in semi-arid regions. Archives of Agronomy and Soil Science, 2019, 65, 1688-1703.	2.6	23
143	Climate model for seasonal variation in Bemisia tabaci using CLIMEX in tomato crops. International Journal of Biometeorology, 2019, 63, 281-291.	3.0	23
144	Geospatial modelling of the inundation levels in the Sundarbans mangrove forests due to the impact of sea level rise and identification of affected species and regions. Geomatics, Natural Hazards and Risk, 2019, 10, 1028-1046.	4.3	23

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145	DETERMINING THE OPTIMAL SPATIAL RESOLUTION OF REMOTELY SENSED DATA FOR THE DETECTION OF <i>SIREX NOCTILIO</i> INFESTATIONS IN PINE PLANTATIONS IN KWAZULU-NATAL, SOUTH AFRICA. Southern African Geographical Journal, 2008, 90, 22-31.	1.8	22
146	WIP is critical for T cell responsiveness to IL-2. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7519-7524.	7.1	22
147	A Simple and Accurate Analysis of Conductivity Loss in Millimeter-Wave Helical Slow-Wave Structures. Journal of Infrared, Millimeter, and Terahertz Waves, 2009, 30, 381-392.	2.2	22
148	Markov Land Cover Change Modeling Using Pairs of Time-Series Satellite Images. Photogrammetric Engineering and Remote Sensing, 2013, 79, 1037-1051.	0.6	22
149	Sub-Compartment Variation in Tree Height, Stem Diameter and Stocking in a Pinus radiata D. Don Plantation Examined Using Airborne LiDAR Data. Remote Sensing, 2014, 6, 7592-7609.	4.0	22
150	Tourism and wetland conservation: application of travel cost and willingness to pay an entry fee at Ghodaghodi Lake Complex, Nepal. Natural Resources Forum, 2016, 40, 51-61.	3.6	22
151	Review of native vegetation condition assessment concepts, methods and future trends. Journal for Nature Conservation, 2017, 40, 12-23.	1.8	22
152	Perceived farm-level climatic impacts on coastal agricultural productivity in Bangladesh. Climatic Change, 2020, 161, 617-636.	3.6	22
153	Modelling the susceptibility of wetland plant species under climate change in the Mekong Delta, Vietnam. Ecological Informatics, 2021, 64, 101358.	5.2	22
154	A New Route to Glucose Sensing Based on Surface Plasmon Resonance Using Polyindole. Plasmonics, 2013, 8, 487-494.	3.4	21
155	Should species distribution models use only native or exotic records of existence or both?. Ecological Informatics, 2015, 29, 57-65.	5.2	21
156	A modelling implementation of climate change on biodegradation of Low-Density Polyethylene (LDPE) by Aspergillus niger in soil. Global Ecology and Conservation, 2015, 4, 388-398.	2.1	21
157	Spatiotemporal Modeling of Urban Growth Predictions Based on Driving Force Factors in Five Saudi Arabian Cities. ISPRS International Journal of Geo-Information, 2016, 5, 139.	2.9	21
158	Long-Term Variability in Potential Evapotranspiration, Water Availability and Drought under Climate Change Scenarios in the Awash River Basin, Ethiopia. Atmosphere, 2020, 11, 883.	2.3	21
159	Updating the national soil map of Nepal through digital soil mapping. Geoderma, 2021, 394, 115041.	5.1	21
160	A novel anti-WIP monoclonal antibody detects an isoform of WIP that lacks the WASP binding domain. Biochemical and Biophysical Research Communications, 2007, 353, 875-881.	2.1	20
161	Azoleâ€"carbodithioate hybrids as vaginal anti-Candida contraceptive agents: Design, synthesis and docking studies. European Journal of Medicinal Chemistry, 2013, 70, 68-77.	5.5	20
162	An indicative index of physical susceptibility of small islands to coastal erosion induced by climate change: an application to the Pacific islands. Geomatics, Natural Hazards and Risk, 2018, 9, 691-702.	4.3	20

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163	Invasive Plants Distribution Modeling: A Tool for Tropical Biodiversity Conservation With Special Reference to Sri Lanka. Tropical Conservation Science, 2019, 12, 194008291986426.	1.2	20
164	Formulation and Characterization of Transethosomes for Enhanced Transdermal Delivery of Propranolol Hydrochloride. Micro and Nanosystems, 2020, 12, 38-47.	0.6	20
165	Modelling the Potential Impacts of Climate Change on Rice Cultivation in Mekong Delta, Vietnam. Sustainability, 2020, 12, 9608.	3.2	20
166	Consequences of Climate Change Impacts and Incidences of Extreme Weather Events in Relation to Crop Production in Bhutan. Sustainability, 2020, 12, 4319.	3.2	20
167	Potential Impact of the Current and Future Climate on the Yield, Quality, and Climate Suitability for Tea [Camellia sinensis (L.) O. Kuntze]: A Systematic Review. Agronomy, 2021, 11, 619.	3.0	20
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