Nicholas A S Hamm

List of Publications by Year
in descending order

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Version: 2024-02-01

35 papers	2,624 citations	361388 20 h-index	395678 33 g-index
36 all docs	36 docs citations	36 times ranked	4228 citing authors

#	Article	IF	Citations
1	Where is positional uncertainty a problem for species distribution modelling?. Ecography, 2014, 37, 191-203.	4.5	1,055
2	A machine learning method to estimate PM2.5 concentrations across China with remote sensing, meteorological and land use information. Science of the Total Environment, 2018, 636, 52-60.	8.0	406
3	Estimating spatiotemporal distribution of PM1 concentrations in China with satellite remote sensing, meteorology, and land use information. Environmental Pollution, 2018, 233, 1086-1094.	7.5	159
4	Statistics-based outlier detection for wireless sensor networks. International Journal of Geographical Information Science, 2012, 26, 1373-1392.	4.8	139
5	Evaluating a thermal image sharpening model over a mixed agricultural landscape in India. International Journal of Applied Earth Observation and Geoinformation, 2011, 13, 178-191.	2.8	101
6	Spatial autocorrelation in predictors reduces the impact of positional uncertainty in occurrence data on species distribution modelling. Journal of Biogeography, 2011, 38, 1497-1509.	3.0	93
7	Nonseparable dynamic nearest neighbor Gaussian process models for large spatio-temporal data with an application to particulate matter analysis. Annals of Applied Statistics, 2016, 10, 1286-1316.	1.1	73
8	The landscape epidemiology of echinococcoses. Infectious Diseases of Poverty, 2016, 5, 13.	3.7	68
9	Variance-based sensitivity analysis of the probability of hydrologically induced slope instability. Computers and Geosciences, 2006, 32, 803-817.	4.2	46
10	Integrating remote sensing and geospatial big data for urban land use mapping: A review. International Journal of Applied Earth Observation and Geoinformation, 2021, 103, 102514.	2.8	37
11	Earth Observation, Spatial Data Quality, and Neglected Tropical Diseases. PLoS Neglected Tropical Diseases, 2015, 9, e0004164.	3.0	35
12	A spatially varying coefficient model for mapping PM10 air quality at the European scale. Atmospheric Environment, 2015, 102, 393-405.	4.1	34
13	Land cover change during a period of extensive landscape restoration in Ningxia Hui Autonomous Region, China. Science of the Total Environment, 2017, 598, 669-679.	8.0	33
14	Hydrological modelling of a drained grazing marsh under agricultural land use and the simulation of restoration management scenarios. Hydrological Sciences Journal, 1999, 44, 943-971.	2.6	29
15	Variance-based sensitivity analysis of BIOME-BGC for gross and net primary production. Ecological Modelling, 2014, 292, 26-36.	2.5	28
16	ELSA: Entropy-based local indicator of spatial association. Spatial Statistics, 2019, 29, 66-88.	1.9	27
17	Handling uncertainties in image mining for remote sensing studies. International Journal of Remote Sensing, 2009, 30, 5365-5382.	2.9	26
18	Analysing the effect of different aggregation approaches on remotely sensed data. International Journal of Remote Sensing, 2013, 34, 4900-4916.	2.9	24

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19	A per-pixel, non-stationary mixed model for empirical line atmospheric correction in remote sensing. Remote Sensing of Environment, 2012, 124, 666-678.	11.0	23
20	Geospatial Mapping of Soil Organic Carbon Using Regression Kriging and Remote Sensing. Journal of the Indian Society of Remote Sensing, 2018, 46, 705-716.	2.4	22
21	Spatio-Temporal Assessment of Tuz GÃ¶lÃ¼, Turkey as a Potential Radiometric Vicarious Calibration Site. Remote Sensing, 2014, 6, 2494-2513.	4.0	20
22	Mapping Soil Transmitted Helminths and Schistosomiasis under Uncertainty: A Systematic Review and Critical Appraisal of Evidence. PLoS Neglected Tropical Diseases, 2016, 10, e0005208.	3.0	19
23	Exploring Spatiotemporal Phenological Patterns and Trajectories Using Self-Organizing Maps. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1914-1921.	6.3	18
24	Uncertainty analysis of gross primary production partitioned from net ecosystem exchange measurements. Biogeosciences, 2016, 13, 1409-1422.	3.3	16
25	Local interpolation of coseismic displacements measured by InSAR. International Journal of Applied Earth Observation and Geoinformation, 2013, 23, 1-17.	2.8	15
26	Unbalanced Development Characteristics and Driving Mechanisms of Regional Urban Spatial Form: A Case Study of Jiangsu Province, China. Sustainability, 2021, 13, 3121.	3.2	13
27	Decision-Level and Feature-Level Integration of Remote Sensing and Geospatial Big Data for Urban Land Use Mapping. Remote Sensing, 2021, 13, 1579.	4.0	12
28	Spatiotemporal patterns and environmental drivers of human echinococcoses over a twenty-year period in Ningxia Hui Autonomous Region, China. Parasites and Vectors, 2018, 11, 108.	2.5	11
29	Bayesian integration of flux tower data into a process-based simulator for quantifying uncertainty in simulated output. Geoscientific Model Development, 2018, 11, 83-101.	3.6	11
30	Analysis of the Relationship between Scintillation Parameters, Multipath and ROTI. Sensors, 2020, 20, 2877.	3.8	11
31	Fuzzy Super Resolution Mapping Based on Markov Random Fields. , 2008, , .		7
32	An Algorithm for Inter-calibration of Time-Series DMSP/OLS Night-Time Light Images. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2017, 87, 721-731.	1.2	5
33	Anisotropic kriging to derive missing coseismic displacement values obtained from synthetic aperture radar images. Journal of Applied Remote Sensing, 2013, 7, 073580.	1.3	4
34	Exploring the Relationship between the Spatial Distribution of Different Age Populations and Points of Interest (POI) in China. ISPRS International Journal of Geo-Information, 2022, 11, 215.	2.9	4
35	Monitoring a fuzzy object: The case of Lake Naivasha. , 2011, , .		0