

Tim J Malthus

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,277
citations

279798

23
h-index

223800

46
g-index

65
all docs

65
docs citations

65
times ranked

2903
citing authors

#	ARTICLE	IF	CITATIONS
1	Intercalibration of vegetation indices from different sensor systems. <i>Remote Sensing of Environment</i> , 2003, 88, 412-422.	11.0	306
2	The empirical line method for the atmospheric correction of IKONOS imagery. <i>International Journal of Remote Sensing</i> , 2003, 24, 1143-1150.	2.9	152
3	Remote sensing of the coastal zone: An overview and priorities for future research. <i>International Journal of Remote Sensing</i> , 2003, 24, 2805-2815.	2.9	148
4	Assessing forest structural and physiological information content of multi-spectral LiDAR waveforms by radiative transfer modelling. <i>Remote Sensing of Environment</i> , 2009, 113, 2152-2163.	11.0	146
5	High resolution spectroradiometry: Spectral reflectance of field bean leaves infected by <i>Botrytis fabae</i> . <i>Remote Sensing of Environment</i> , 1993, 45, 107-116.	11.0	141
6	Assessing the effects of site heterogeneity and soil properties when unmixing photosynthetic vegetation, non-photosynthetic vegetation and bare soil fractions from Landsat and MODIS data. <i>Remote Sensing of Environment</i> , 2015, 161, 12-26.	11.0	124
7	A Multispectral Canopy LiDAR Demonstrator Project. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011, 8, 839-843.	3.1	92
8	Quantitative modeling of inland water quality for high-resolution MSS systems. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1991, 29, 89-95.	6.3	89
9	Landsat 8: Providing continuity and increased precision for measuring multi-decadal time series of total suspended matter. <i>Remote Sensing of Environment</i> , 2016, 185, 108-118.	11.0	82
10	Evaluation of an improved version of SAIL model for simulating bidirectional reflectance of sugar beet canopies. <i>Remote Sensing of Environment</i> , 1997, 60, 247-257.	11.0	69
11	Hyperspectral discrimination of coral reef benthic communities in the western Caribbean. <i>Coral Reefs</i> , 2004, 23, 141-151.	2.2	65
12	LiDAR mapping of canopy gaps in continuous cover forests: A comparison of canopy height model and point cloud based techniques. <i>International Journal of Remote Sensing</i> , 2010, 31, 1193-1211.	2.9	64
13	Airborne remote sensing of macrophytes in Cefni Reservoir, Anglesey, UK. <i>Aquatic Botany</i> , 1997, 58, 317-332.	1.6	57
14	The relationship between dissolved organic matter absorption and dissolved organic carbon in reservoirs along a temperate to tropical gradient. <i>Remote Sensing of Environment</i> , 2015, 156, 395-402.	11.0	54
15	The Fields of View and Directional Response Functions of Two Field Spectroradiometers. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 3892-3907.	6.3	53
16	Application of Landsat-7 satellite data and a DEM for the quantification of thermokarst-affected terrain types in the periglacial Lena-Anabar coastal lowland. <i>Polar Research</i> , 2006, 25, 51-67.	1.6	45
17	Data exchange between distributed spectral databases. <i>Computers and Geosciences</i> , 2011, 37, 861-873.	4.2	44
18	<i>Calluna vulgaris</i> foliar pigments and spectral reflectance modelling. <i>International Journal of Remote Sensing</i> , 2012, 33, 5214-5239.	2.9	35

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19	Candidate high spectral resolution infrared indices for crop cover. <i>Remote Sensing of Environment</i> , 1993, 46, 204-212.	11.0	34
20	An assessment of the importance of emergent and floating-leaved macrophytes to trophic status in the Loosdrecht lakes (The Netherlands). <i>Hydrobiologia</i> , 1990, 191, 257-263.	2.0	33
21	Remote sensing as a tool for assessing water quality in Loosdrecht lakes. <i>Hydrobiologia</i> , 1992, 233, 137-159.	2.0	32
22	An Evaluation of Citizen Science Smartphone Apps for Inland Water Quality Assessment. <i>Remote Sensing</i> , 2020, 12, 1578.	4.0	28
23	Coupling remote sensing with computational fluid dynamics modelling to estimate lake chlorophyll-a concentration. <i>Remote Sensing of Environment</i> , 2002, 79, 116-122.	11.0	25
24	Underwater light characterisation for correction of remotely sensed images. <i>International Journal of Remote Sensing</i> , 2003, 24, 2683-2702.	2.9	25
25	First derivative indices for the remote sensing of inland water quality using high spectral resolution reflectance. <i>Environment International</i> , 1995, 21, 221-232.	10.0	23
26	High-spectral resolution data for monitoring Scots pine (<i>Pinus sylvestris</i> L.) regeneration. <i>International Journal of Remote Sensing</i> , 1998, 19, 2601-2608.	2.9	22
27	Modelling spatial distributions of <i>Ceratium hirundinella</i> and <i>Microcystis</i> . in a small productive British lake. <i>Hydrobiologia</i> , 2004, 528, 217-227.	2.0	20
28	Implementation of a Satellite Based Inland Water Algal Bloom Alerting System Using Analysis Ready Data. <i>Remote Sensing</i> , 2019, 11, 2954.	4.0	18
29	Leak detection from rural aqueducts using airborne remote sensing techniques. <i>International Journal of Remote Sensing</i> , 1998, 19, 2427-2433.	2.9	17
30	Integrating field and high spatial resolution satellite-based methods for monitoring shallow submersed aquatic habitats in the Sound of Eriskay, Scotland, UK. <i>International Journal of Remote Sensing</i> , 2003, 24, 2585-2593.	2.9	17
31	Using a compact airborne spectrographic imager to monitor phytoplankton biomass in a series of lakes in north Wales. <i>Science of the Total Environment</i> , 2001, 268, 215-226.	8.0	16
32	Critical Metadata for Spectroscopy Field Campaigns. <i>Remote Sensing</i> , 2014, 6, 3662-3680.	4.0	16
33	Remote Sensing of Seagrass Ecosystems: Use of Spaceborne and Airborne Sensors. , 2007, , 347-359.		16
34	A Wavelet Approach for Estimating Chlorophyll-A From Inland Waters With Reflectance Spectroscopy. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 89-93.	3.1	14
35	On the occurrence, causes and potential consequences of low zooplankton to phytoplankton ratios in New Zealand lakes. <i>Freshwater Biology</i> , 1989, 22, 383-394.	2.4	13
36	Bio-optical Modeling and Remote Sensing of Aquatic Macrophytes. , 2017, , 263-308.		13

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37	Spatial dynamics of estuarine water surface temperature from airborne remote sensing. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 71, 608-615.	2.1	12
38	The case for a global inland water quality product. , 2012, , .		12
39	The SPECCHIO Spectral Information System. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 5789-5799.	4.9	12
40	Characterising Chinese loess stratigraphy and past monsoon variation using field spectroscopy. <i>Quaternary International</i> , 2011, 234, 146-158.	1.5	11
41	Assessing Spatial Variation in Algal Productivity in a Tropical River Floodplain Using Satellite Remote Sensing. <i>Remote Sensing</i> , 2021, 13, 1710.	4.0	10
42	Estimation of velocity fields at the estuary-coastal interface through statistical analysis of successive airborne remotely sensed images. <i>International Journal of Remote Sensing</i> , 2001, 22, 3901-3906.	2.9	9
43	The implications of non-uniformity in fields-of-view of commonly used field spectroradiometers. , 2007, , .		9
44	Assessing Field Spectroscopy Metadata Quality. <i>Remote Sensing</i> , 2015, 7, 4499-4526.	4.0	9
45	Relationships between algal primary productivity and environmental variables in tropical floodplain wetlands. <i>Inland Waters</i> , 2021, 11, 180-190.	2.2	7
46	An evaluation of a handheld spectroradiometer for the near real-time measurement of cyanobacteria for bloom management purposes. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 495.	2.7	5
47	Editorial for the Special Issue "Remote Sensing in Coastal Zone Monitoring and Management" "How Can Remote Sensing Challenge the Broad Spectrum of Temporal and Spatial Scales in Coastal Zone Dynamic?" <i>Remote Sensing</i> , 2019, 11, 1028.	4.0	4
48	Towards an Interoperable Field Spectroscopy Metadata Standard with Extended Support for Marine Specific Applications. <i>Remote Sensing</i> , 2015, 7, 15668-15701.	4.0	3
49	Integrating dual frequency side scan sonar and high spatial resolution satellite imagery for monitoring coral reef benthic communities. , 2007, , .		2
50	Integrating CFD modelling, neural networks and remote sensing: controlled prediction of chlorophyll-a concentration in the Mejillones of South Bay. <i>IET Computer Vision</i> , 2007, 1, 55-65.	2.0	2
51	Spectral separability and mapping potential of cassava leaf damage symptoms caused by whiteflies (<i>Bemisia tabaci</i>). <i>Pest Management Science</i> , 2018, 74, 246-255.	3.4	2
52	Using optical and microwave, modeled and airborne data to identify water leaks from rural aqueducts. , 2003, , .		1
53	Data continuity and new opportunities for land monitoring. , 2013, , .		1
54	Optical response associated with changing summer biogeochemical conditions in a turbid lake. <i>Limnologica</i> , 2017, 63, 83-96.	1.5	1

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55	Continental Scale Validation of Analysis Ready Data in Australia: Experience With Satellite Derived Surface Reflectance. , 2019, , .		1
56	Impact of water resource development on connectivity and primary productivity across a tropical river floodplain. Journal of Applied Ecology, 2022, 59, 1013-1025.	4.0	1
57	Automated feature discrimination for optimizing water supply networks. , 2003, 4886, 469.		0
58	AusCover CALVAL: Coordinating Australian activities in calibration and validation. , 2010, , .		0
59	Approaches to establishing a metadata standard for field spectroscopy datasets. , 2013, , .		0
60	Inland water quality monitoring in Australia. , 2013, , .		0
61	Earth Observations and Water Issues. , 2016, , 63-78.		0
62	Australia, A Hub for Spaceborne Imaging Spectroscopy Calibration and Validation. , 2020, , .		0