Tomoaki Miura

List of Publications by Year
in descending order

40 papers	2,357 citations	471509 17 h-index	345221 36 g-index
40 all docs	40 docs citations	40 times ranked	3327 citing authors

#	Article	IF	Citations
1	Evaluation of Land Surface Phenology for Autumn Leaf Color Change Based on Citizen Reports across Japan. Remote Sensing, 2022, 14, 2017.	4.0	6
2	Validation and analysis of Terra and Aqua MODIS, and SNPP VIIRS vegetation indices under zero vegetation conditions: A case study using Railroad Valley Playa. Remote Sensing of Environment, 2021, 257, 112344.	11.0	9
3	Productivity Hot Spots and Cold Spots: Setting Geographic Priorities for Achieving Food Production Targets. Frontiers in Sustainable Food Systems, 2021, 5, .	3.9	6
4	Assessing the inter-annual variability of vegetation phenological events observed from satellite vegetation index time series in dryland sites. Ecological Indicators, 2021, 130, 108042.	6.3	5
5	Seasonal Comparisons of Himawari-8 AHI and MODIS Vegetation Indices over Latitudinal Australian Grassland Sites. Remote Sensing, 2020, 12, 2494.	4.0	11
6	Long-Term, Gridded Standardized Precipitation Index for Hawaiâ€˜i. Data, 2020, 5, 109.	2.3	3
7	Landslide Detection with Himawari-8 Geostationary Satellite Data: A Case Study of a Torrential Rain Event in Kyushu, Japan. Remote Sensing, 2020, 12, 1734.	4.0	20
8	Peak autumn leaf colouring along latitudinal and elevational gradients in Japan evaluated with online phenological data. International Journal of Biometeorology, 2020, 64, 1743-1754.	3.0	9
9	Cultivation potential projections of breadfruit (Artocarpus altilis) under climate change scenarios using an empirically validated suitability model calibrated in Hawaiâ€™i. PLoS ONE, 2020, 15, e0228552.	2.5	17
10	Improved Characterisation of Vegetation and Land Surface Seasonal Dynamics in Central Japan with Himawari-8 Hypertemporal Data. Scientific Reports, 2019, 9, 15692.	3.3	40
11	Biological processes dominate seasonality of remotely sensed canopy greenness in an Amazon evergreen forest. New Phytologist, 2018, 217, 1507-1520.	7.3	66
12	8 million phenological and sky images from 29 ecosystems from the Arctic to the tropics: the Phenological Eyes Network. Ecological Research, 2018, 33, 1091-1092.	1.5	37
13	Quantifying urban growth patterns in Hanoi using landscape expansion modes and time series spatial metrics. PLoS ONE, 2018, 13, e0196940.	2.5	53
14	Assessment of cross-sensor vegetation index compatibility between VIIRS and MODIS using near-coincident observations. Journal of Applied Remote Sensing, 2018, 12, 1.	1.3	8
15	Assessing multi-decadal land-cover â€“ land-use change in two wildlife protected areas in Tanzania using Landsat imagery. PLoS ONE, 2017, 12, e0185468.	2.5	15
16	Spectral Cross-Calibration of VIIRS Enhanced Vegetation Index with MODIS: A Case Study Using Year-Long Global Data. Remote Sensing, 2016, 8, 34.	4.0	22
17	Built-up Area Change Analysis in Hanoi Using Support Vector Machine Classification of Landsat Multi-Temporal Image Stacks and Population Data. Land, 2015, 4, 1213-1231.	2.9	15
18	Invasive grasses change landscape structure and fire behaviour in Hawaii. Applied Vegetation Science, 2014, 17, 680-689.	1.9	39

#	Article	IF	Citations
19	Indices of Vegetation Activity. Springer Remote Sensing/photogrammetry, 2014, , 1-41.	0.4	12
20	Spectral Compatibility of the NDVI Across VIIRS, MODIS, and AVHRR: An Analysis of Atmospheric Effects Using EO-1 Hyperion. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1349-1359.	6.3	28
21	Derivation of a MODIS-compatible enhanced vegetation index from visible infrared imaging radiometer suite spectral reflectances using vegetation isoline equations. Journal of Applied Remote Sensing, 2013, 7, 073467.	1.3	17
22	Land and cryosphere products from Suomi NPP VIIRS: Overview and status. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9753-9765.	3.3	159
23	Scaling effects in area-averaged values of two-band spectral vegetation indices represented in a general form. Journal of Applied Remote Sensing, 2012, 6, 063585.	1.3	2
24	Scaling Effect of Area-Averaged NDVI: Monotonicity along the Spatial Resolution. Remote Sensing, 2012, 4, 160-179.	4.0	12
25	Analysis of the Scaling Effects in the Area-Averaged Fraction of Vegetation Cover Retrieved Using an NDVI-Isoline-Based Linear Mixture Model. Remote Sensing, 2012, 4, 2156-2180.	4.0	11
26	Advanced Spaceborne Thermal Emission and Reflection Radometer (ASTER) Enhanced Vegetation Index (EVI) Products from Global Earth Observation (GEO) Grid: An Assessment Using Moderate Resolution Imaging Spectroradiometer (MODIS) for Synergistic Applications. Remote Sensing, 2012, 4, 2277-2293.	4.0	3
27	Hyperspectral Data in Long-Term, Cross-Sensor Continuity Studies. , 2011, , 611-634.		1
28	Soil Line Influences on Two-Band Vegetation Indices and Vegetation Isolines: A Numerical Study. Remote Sensing, 2010, 2, 545-561.	4.0	22
29	Phenological Classification of the United States: A Geographic Framework for Extending Multi-Sensor Time-Series Data. Remote Sensing, 2010, 2, 526-544.	4.0	35
30	MODIS Vegetation Indices. Remote Sensing and Digital Image Processing, 2010, , 579-602.	0.7	68
31	Derivation of Soil Line Influence on Two-Band Vegetation Indices and Vegetation Isolines. Remote Sensing, 2009, 1, 842-857.	4.0	12
32	Performance of Three Reflectance Calibration Methods for Airborne Hyperspectral Spectrometer Data. Sensors, 2009, 9, 794-813.	3.8	33
33	Development of a two-band enhanced vegetation index without a blue band. Remote Sensing of Environment, 2008, 112, 3833-3845.	11.0	1,310
34	An assessment of Hawaiian dry forest condition with fine resolution remote sensing. Forest Ecology and Management, 2008, 255, 2524-2532.	3.2	15
35	Monotonicity of Area Averaged NDVI as a Function of Spatial Resolution based on a Variable Endmember Linear Mixture Model. , 2008, , .		2
36	Evaluation of Spectral Vegetation Index Translation Equations for the Development of Long-Term Data Records. , 2008, , .		6

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37	Inter-Comparison of ASTER and MODIS Surface Reflectance and Vegetation Index Products for Synergistic Applications to Natural Resource Monitoring. Sensors, 2008, 8, 2480-2499.	3.8	64
38	Investigation on functional form in cross-calibration of spectral vegetation index. , 2006, 6298, 287.		3
39	An empirical investigation of cross-sensor relationships of NDVI and red/near-infrared reflectance using EO-1 Hyperion data. Remote Sensing of Environment, 2006, 100, 223-236.	11.0	81
40	An error and sensitivity analysis of atmospheric resistant vegetation indices derived from dark target-based atmospheric correction. Remote Sensing of Environment, 2001, 78, 284-298.	11.0	80