# Tomoaki Miura

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Development of a two-band enhanced vegetation index without a blue band. Remote Sensing of Environment, 2008, 112, 3833-3845. | 11.0 | 1,310 |
| 2 | Land and cryosphere products from Suomi NPP VIIRS: Overview and status. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9753-9765. | 3.3 | 159 |
| 3 | 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 |
| 4 | 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 |
| 5 | MODIS Vegetation Indices. Remote Sensing and Digital Image Processing, 2010, , 579-602. | 0.7 | 68 |
| 6 | Biological processes dominate seasonality of remotely sensed canopy greenness in an Amazon evergreen forest. New Phytologist, 2018, 217, 1507-1520. | 7.3 | 66 |
| 7 | 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 |
| 8 | Quantifying urban growth patterns in Hanoi using landscape expansion modes and time series spatial metrics. PLoS ONE, 2018, 13, e0196940. | 2.5 | 53 |
| 9 | 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 |
| 10 | Invasive grasses change landscape structure and fire behaviour in Hawaii. Applied Vegetation Science, 2014, 17, 680-689. | 1.9 | 39 |
| 11 | 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 |
| 12 | 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 |
| 13 | Performance of Three Reflectance Calibration Methods for Airborne Hyperspectral Spectrometer Data. Sensors, 2009, 9, 794-813. | 3.8 | 33 |
| 14 | 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 |
| 15 | Soil Line Influences on Two-Band Vegetation Indices and Vegetation Isolines: A Numerical Study. Remote Sensing, 2010, 2, 545-561. | 4.0 | 22 |
| 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 | 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 |
| 18 | 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 |

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|---|---|---|---|
| 19 | 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 |
| 20 | An assessment of Hawaiian dry forest condition with fine resolution remote sensing. Forest Ecology and Management, 2008, 255, 2524-2532. | 3.2 | 15 |
| 21 | 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 |
| 22 | 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 |
| 23 | Derivation of Soil Line Influence on Two-Band Vegetation Indices and Vegetation Isolines. Remote Sensing, 2009, 1, 842-857. | 4.0 | 12 |
| 24 | Scaling Effect of Area-Averaged NDVI: Monotonicity along the Spatial Resolution. Remote Sensing, 2012, 4, 160-179. | 4.0 | 12 |
| 25 | Indices of Vegetation Activity. Springer Remote Sensing/photogrammetry, 2014, , 1-41. | 0.4 | 12 |
| 26 | 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 |
| 27 | Seasonal Comparisons of Himawari-8 AHI and MODIS Vegetation Indices over Latitudinal Australian Grassland Sites. Remote Sensing, 2020, 12, 2494. | 4.0 | 11 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | Evaluation of Spectral Vegetation Index Translation Equations for the Development of Long-Term Data Records. , 2008, , . | | 6 |
| 32 | Productivity Hot Spots and Cold Spots: Setting Geographic Priorities for Achieving Food Production Targets. Frontiers in Sustainable Food Systems, 2021, 5, . | 3.9 | 6 |
| 33 | Evaluation of Land Surface Phenology for Autumn Leaf Color Change Based on Citizen Reports across Japan. Remote Sensing, 2022, 14, 2017. | 4.0 | 6 |
| 34 | 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 |
| 35 | Investigation on functional form in cross-calibration of spectral vegetation index. , 2006, 6298, 287. | | 3 |
| 36 | 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 |

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|---|---|---|---|
| 37 | Long-Term, Gridded Standardized Precipitation Index for Hawaiâ€˜i. Data, 2020, 5, 109. | 2.3 | 3 |
| 38 | Monotonicity of Area Averaged NDVI as a Function of Spatial Resolution based on a Variable Endmember Linear Mixture Model. , 2008, , . | | 2 |
| 39 | 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 |
| 40 | Hyperspectral Data in Long-Term, Cross-Sensor Continuity Studies. , 2011, , 611-634. | | 1 |