

Eduardo E Maeda

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

2,080
citations

218677

26
h-index

254184

43
g-index

65
all docs

65
docs citations

65
times ranked

3506
citing authors

#	ARTICLE	IF	CITATIONS
1	Does higher surface temperature intensify extreme precipitation?. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	290
2	Climate seasonality limits leaf carbon assimilation and wood productivity in tropical forests. Biogeosciences, 2016, 13, 2537-2562.	3.3	108
3	Potential impacts of agricultural expansion and climate change on soil erosion in the Eastern Arc Mountains of Kenya. Geomorphology, 2010, 123, 279-289.	2.6	82
4	Persistent collapse of biomass in Amazonian forest edges following deforestation leads to unaccounted carbon losses. Science Advances, 2020, 6, .	10.3	82
5	Estimating reference evapotranspiration using remote sensing and empirical models in a region with limited ground data availability in Kenya. Applied Geography, 2011, 31, 251-258.	3.7	73
6	Evapotranspiration seasonality across the Amazon Basin. Earth System Dynamics, 2017, 8, 439-454.	7.1	71
7	Climate drivers of the Amazon forest greening. PLoS ONE, 2017, 12, e0180932.	2.5	63
8	Dynamic modeling of forest conversion: Simulation of past and future scenarios of rural activities expansion in the fringes of the Xingu National Park, Brazilian Amazon. International Journal of Applied Earth Observation and Geoinformation, 2011, 13, 435-446.	2.8	60
9	Patch aggregation trends of the global climate landscape under future global warming scenario. International Journal of Climatology, 2020, 40, 2674-2685.	3.5	58
10	Predicting forest fire in the Brazilian Amazon using MODIS imagery and artificial neural networks. International Journal of Applied Earth Observation and Geoinformation, 2009, 11, 265-272.	2.8	55
11	Use of remotely sensed land surface temperature as a proxy for air temperatures at high elevations: Findings from a 5000m elevational transect across Kilimanjaro. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9998.	3.3	53
12	Modelling agricultural expansion in Kenya's Eastern Arc Mountains biodiversity hotspot. Agricultural Systems, 2010, 103, 609-620.	6.1	51
13	Decreasing precipitation extremes at higher temperatures in tropical regions. Natural Hazards, 2012, 64, 935-941.	3.4	48
14	Agricultural Expansion and Its Consequences in the Taita Hills, Kenya. Developments in Earth Surface Processes, 2013, , 165-179.	2.8	48
15	Landslide inventory using image fusion techniques in Brazil. International Journal of Applied Earth Observation and Geoinformation, 2009, 11, 181-191.	2.8	47
16	Can MODIS EVI monitor ecosystem productivity in the Amazon rainforest?. Geophysical Research Letters, 2014, 41, 7176-7183.	4.0	42
17	Rainfall-vegetation interaction regulates temperature anomalies during extreme dry events in the Horn of Africa. Global and Planetary Change, 2018, 167, 35-45.	3.5	42
18	Prospective changes in irrigation water requirements caused by agricultural expansion and climate changes in the eastern arc mountains of Kenya. Journal of Environmental Management, 2011, 92, 982-993.	7.8	38

#	ARTICLE	IF	CITATIONS
19	Clarifying the role of radiative mechanisms in the spatio-temporal changes of land surface temperature across the Horn of Africa. <i>Remote Sensing of Environment</i> , 2019, 221, 210-224.	11.0	38
20	Large-scale commodity agriculture exacerbates the climatic impacts of Amazonian deforestation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	38
21	Invasive tree species detection in the Eastern Arc Mountains biodiversity hotspot using one class classification. <i>Remote Sensing of Environment</i> , 2018, 218, 119-131.	11.0	35
22	Disruption of hydroecological equilibrium in southwest Amazon mediated by drought. <i>Geophysical Research Letters</i> , 2015, 42, 7546-7553.	4.0	34
23	Classification of Tree Species in a Diverse African Agroforestry Landscape Using Imaging Spectroscopy and Laser Scanning. <i>Remote Sensing</i> , 2017, 9, 875.	4.0	33
24	Burned area detection based on Landsat time series in savannas of southern Burkina Faso. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2018, 64, 210-220.	2.8	31
25	Consistency of vegetation index seasonality across the Amazon rainforest. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 52, 42-53.	2.8	29
26	Temporal patterns of phytoplankton phenology across high latitude lakes unveiled by long-term time series of satellite data. <i>Remote Sensing of Environment</i> , 2019, 221, 609-620.	11.0	28
27	Estimating soybean crop areas using spectral-temporal surfaces derived from MODIS images in Mato Grosso, Brazil. <i>Pesquisa Agropecuária Brasileira</i> , 2010, 45, 72-80.	0.9	28
28	Reconstructing pre-agricultural expansion vegetation cover of Ethiopia. <i>Applied Geography</i> , 2015, 62, 357-365.	3.7	27
29	Land Cover Characterization in West Sudanian Savannas Using Seasonal Features from Annual Landsat Time Series. <i>Remote Sensing</i> , 2016, 8, 365.	4.0	26
30	Spatial Assessment of the Bioclimatic and Environmental Factors Driving Mangrove Tree Species™ Distribution along the Brazilian Coastline. <i>Remote Sensing</i> , 2016, 8, 451.	4.0	26
31	Fire risk assessment in the Brazilian Amazon using MODIS imagery and change vector analysis. <i>Applied Geography</i> , 2011, 31, 76-84.	3.7	23
32	The effect of topographic normalization on fractional tree cover mapping in tropical mountains: An assessment based on seasonal Landsat time series. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 52, 20-31.	2.8	23
33	Determinants of Aboveground Biomass across an Afromontane Landscape Mosaic in Kenya. <i>Remote Sensing</i> , 2017, 9, 827.	4.0	22
34	Impacts of Land Use and Land Cover Changes on Sediment Yield in a Brazilian Amazon Drainage Basin. <i>GIScience and Remote Sensing</i> , 2008, 45, 443-453.	5.9	20
35	Forest fragmentation impacts the seasonality of Amazonian evergreen canopies. <i>Nature Communications</i> , 2022, 13, 917.	12.8	20
36	Downscaling MODIS LST in the East African mountains using elevation gradient and land-cover information. <i>International Journal of Remote Sensing</i> , 2014, 35, 3094-3108.	2.9	19

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37	Carbon-diversity hotspots and their owners in Brazilian southeastern Savanna, Atlantic Forest and Semi-Arid Woodland domains. <i>Forest Ecology and Management</i> , 2019, 452, 117575.	3.2	19
38	Season-dependence of remote sensing indicators of tree species diversity. <i>Remote Sensing Letters</i> , 2014, 5, 404-412.	1.4	18
39	Impact of rainfall extremes on energy exchange and surface temperature anomalies across biomes in the Horn of Africa. <i>Agricultural and Forest Meteorology</i> , 2020, 280, 107779.	4.8	18
40	Climatic impacts of bushland to cropland conversion in Eastern Africa. <i>Science of the Total Environment</i> , 2020, 717, 137255.	8.0	18
41	Spatiotemporal characterization of land surface temperature in Mount Kilimanjaro using satellite data. <i>Theoretical and Applied Climatology</i> , 2014, 118, 497-509.	2.8	16
42	Identifying potential areas of understorey coffee in Ethiopia's highlands using predictive modelling. <i>International Journal of Remote Sensing</i> , 2015, 36, 2898-2919.	2.9	13
43	A Bayesian model of fisheries discards with flexible structure and priors defined by experts. <i>Ecological Modelling</i> , 2017, 366, 1-14.	2.5	13
44	Sun-sensor geometry effects on vegetation index anomalies in the Amazon rainforest. <i>GIScience and Remote Sensing</i> , 2015, 52, 332-343.	5.9	12
45	Shifts in structural diversity of Amazonian forest edges detected using terrestrial laser scanning. <i>Remote Sensing of Environment</i> , 2022, 271, 112895.	11.0	12
46	Sensitivity of Spectral Indices on Burned Area Detection using Landsat Time Series in Savannas of Southern Burkina Faso. <i>Remote Sensing</i> , 2021, 13, 2492.	4.0	11
47	Improved detection of abrupt change in vegetation reveals dominant fractional woody cover decline in Eastern Africa. <i>Remote Sensing of Environment</i> , 2022, 271, 112897.	11.0	11
48	Object-based image analysis for distinguishing indigenous and exotic forests in coffee production areas of Ethiopia. <i>Applied Geomatics</i> , 2014, 6, 207-214.	2.5	10
49	Evaluating the Impact of Distance Measures on Deforestation Simulations in the Fluvial Landscapes of Amazonia. <i>Ambio</i> , 2014, 43, 779-790.	5.5	10
50	Assessing spatial distribution of <i>Coffea arabica</i> L. in Ethiopia's highlands using species distribution models and geospatial analysis methods. <i>Ecological Informatics</i> , 2017, 42, 79-89.	5.2	10
51	Does topographic normalization of landsat images improve fractional tree cover mapping in tropical mountains?. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-7/W3, 261-267.	0.2	9
52	Characterisation of global precipitation frequency through the Lévy moments approach. <i>Area</i> , 2013, 45, 98-108.	1.6	8
53	Seasonal and Inter-annual Variation of Evapotranspiration in Amazonia Based on Precipitation, River Discharge and Gravity Anomaly Data. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	8
54	Land Surface Temperature Trend and Its Drivers in East Africa. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033446.	3.3	8

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55	Open Environmental Data in Developing Countries: Who Benefits?. <i>Ambio</i> , 2012, 41, 410-412.	5.5	7
56	Análise histórica das transformações da Floresta Amazônica em áreas agrícolas na Bacia do Rio Suia-Miú. <i>Sociedade & Natureza</i> , 2008, 20, 5-24.	0.0	7
57	Scaling estimates of vegetation structure in Amazonian tropical forests using multi-angle MODIS observations. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016, 52, 580-590.	2.8	6
58	Intensification of the dispersion of the global climatic landscape and its potential as a new climate change indicator. <i>Environmental Research Letters</i> , 2020, 15, 114032.	5.2	6
59	Análise discriminante paramétrica para reconhecimento de defeitos em tábuas de eucalipto utilizando imagens digitais. <i>Revista Arvore</i> , 2005, 29, 299-309.	0.5	5
60	Mapping Cropland Burned Area in Northeastern China by Integrating Landsat Time Series and Multi-Harmonic Model. <i>Remote Sensing</i> , 2021, 13, 5131.	4.0	5
61	Spatial Variability and Detection Levels for Chlorophyll-a Estimates in High Latitude Lakes Using Landsat Imagery. <i>Remote Sensing</i> , 2020, 12, 2898.	4.0	4
62	Identificação de áreas prioritárias para recuperação florestal com o uso de rede neural de mapas auto-organizáveis. <i>Boletim De Ciencias Geodesicas</i> , 2011, 17, 379-400.	0.3	3
63	Data mining by decision tree for object oriented classification of the sugar cane cut kinds. , 2009, , .		2