Berrien Moore Iii

List of Publications by Year
in descending order

55 papers	10,733 citations	101543 36 h-index	168389 53 g-index
55 all docs	55 docs citations	55 times ranked	10564 citing authors

#	Article	IF	Citations
1	ENVIRONMENT AND DEVELOPMENT: Sustainability Science. Science, 2001, 292, 641-642.	12.6	2,169
2	Global climate change and terrestrial net primary production. Nature, 1993, 363, 234-240.	27.8	1,719
3	Mapping paddy rice agriculture in southern China using multi-temporal MODIS images. Remote Sensing of Environment, 2005, 95, 480-492.	11.0	814
4	Satellite-based modeling of gross primary production in an evergreen needleleaf forest. Remote Sensing of Environment, 2004, 89, 519-534.	11.0	682
5	Mapping paddy rice agriculture in South and Southeast Asia using multi-temporal MODIS images. Remote Sensing of Environment, 2006, 100, 95-113.	11.0	667
6	Mapping paddy rice planting area in northeastern Asia with Landsat 8 images, phenology-based algorithm and Google Earth Engine. Remote Sensing of Environment, 2016, 185, 142-154.	11.0	524
7	Effect of interannual climate variability on carbon storage in Amazonian ecosystems. Nature, 1998, 396, 664-667.	27.8	419
8	Continental scale models of water balance and fluvial transport: An application to South America. Global Biogeochemical Cycles, 1989, 3, 241-265.	4.9	334
9	Tracking the dynamics of paddy rice planting area in 1986â€“2010 through time series Landsat images and phenology-based algorithms. Remote Sensing of Environment, 2015, 160, 99-113.	11.0	257
10	Satellite-based modeling of gross primary production in a seasonally moist tropical evergreen forest. Remote Sensing of Environment, 2005, 94, 105-122.	11.0	242
11	Estimating light absorption by chlorophyll, leaf and canopy in a deciduous broadleaf forest using MODIS data and a radiative transfer model. Remote Sensing of Environment, 2005, 99, 357-371.	11.0	189
12	Consistency between sun-induced chlorophyll fluorescence and gross primary production of vegetation in North America. Remote Sensing of Environment, 2016, 183, 154-169.	11.0	180
13	Detecting leaf phenology of seasonally moist tropical forests in South America with multi-temporal MODIS images. Remote Sensing of Environment, 2006, 103, 465-473.	11.0	179
14	Equilibrium responses of global net primary production and carbon storage to doubled atmospheric carbon dioxide: Sensitivity to changes in vegetation nitrogen concentration. Global Biogeochemical Cycles, 1997, 11, 173-189.	4.9	174
15	A simulation model linking crop growth and soil biogeochemistry for sustainable agriculture. Ecological Modelling, 2002, 151, 75-108.	2.5	173
16	Carbon loss from forest degradation exceeds that from deforestation in the Brazilian Amazon. Nature Climate Change, 2021, 11, 442-448.	18.8	166
17	Title is missing!. Nutrient Cycling in Agroecosystems, 2001, 60, 159-175.	2.2	165
18	Sensitivity of vegetation indices to atmospheric aerosols: continental-scale observations in Northern Asia. Remote Sensing of Environment, 2003, 84, 385-392.	11.0	153

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19	Spatiotemporal patterns of paddy rice croplands in China and India from 2000 to 2015. Science of the Total Environment, 2017, 579, 82-92.	8.0	127
20	Anthropogenic, Climatic, and Hydrologic Trends in the Kosi Basin, Himalaya. Climatic Change, 2000, 47, 141-165.	3.6	102
21	Comparison of four EVI-based models for estimating gross primary production of maize and soybean croplands and tallgrass prairie under severe drought. Remote Sensing of Environment, 2015, 162, 154-168.	11.0	93
22	Regional carbon dynamics in monsoon Asia and its implications for the global carbon cycle. Global and Planetary Change, 2003, 37, 201-201.	3.5	83
23	TROPOMI reveals dry-season increase of solar-induced chlorophyll fluorescence in the Amazon forest. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22393-22398.	7.1	78
24	Projecting future fire activity in Amazonia. Global Change Biology, 2003, 9, 656-669.	9.5	77
25	Improved estimates of forest cover and loss in the Brazilian Amazon in 2000â€“2017. Nature Sustainability, 2019, 2, 764-772.	23.7	71
26	Forest cover maps of China in 2010 from multiple approaches and data sources: PALSAR, Landsat, MODIS, FRA, and NFI. ISPRS Journal of Photogrammetry and Remote Sensing, 2015, 109, 1-16.	11.1	70
27	Characterization of seasonal variation of forest canopy in a temperate deciduous broadleaf forest, using daily MODIS data. Remote Sensing of Environment, 2006, 105, 189-203.	11.0	69
28	Modeling basin-scale hydrology in support of physical climate and global biogeochemical studies: An example using the Zambezi River. Surveys in Geophysics, 1991, 12, 271-311.	4.6	61
29	Sensitivity of the Himalayan Hydrology to Land-Use and Climatic Changes. Climatic Change, 2000, 47, 117-139.	3.6	60
30	The lifetime of excess atmospheric carbon dioxide. Global Biogeochemical Cycles, 1994, 8, 23-38.	4.9	55
31	Observing carbon cycleâ€“climate feedbacks from space. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7860-7868.	7.1	53
32	Linking remote-sensing estimates of land cover and census statistics on land use to produce maps of land use of the conterminous United States. Global Biogeochemical Cycles, 2001, 15, 673-685.	4.9	47
33	Annual dynamics of forest areas in South America during 2007â€“2010 at 50-m spatial resolution. Remote Sensing of Environment, 2017, 201, 73-87.	11.0	47
34	A 50-m Forest Cover Map in Southeast Asia from ALOS/PALSAR and Its Application on Forest Fragmentation Assessment. PLoS ONE, 2014, 9, e85801.	2.5	46
35	Current Status and Future Challenges of Weather Radar Polarimetry: Bridging the Gap between Radar Meteorology/Hydrology/Engineering and Numerical Weather Prediction. Advances in Atmospheric Sciences, 2019, 36, 571-588.	4.3	46
36	IKONOS imagery for the Large Scale Biosphereâ€“Atmosphere Experiment in Amazonia (LBA). Remote Sensing of Environment, 2003, 88, 111-127.	11.0	44

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37	Assessment of Physical Water Scarcity in Africa Using GRACE and TRMM Satellite Data. Remote Sensing, 2019, 11, 904.	4.0	30
38	The simultaneous use of tracers for ocean circulation studies. Tellus, Series B: Chemical and Physical Meteorology, 2022, 35, 206.	1.6	30
39	Monitoring and Prediction of the Earthâ€™s Climate: A Future Perspective. Journal of Climate, 2006, 19, 5001-5008.	3.2	27
40	Large loss and rapid recovery of vegetation cover and aboveground biomass over forest areas in Australia during 2019â€“2020. Remote Sensing of Environment, 2022, 278, 113087.	11.0	26
41	On the Ability of Spaceâ€Based Passive and Active Remote Sensing Observations of CO₂ to Detect Flux Perturbations to the Carbon Cycle. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1460-1477.	3.3	25
42	Dynamical Downscaling of CO₂ in 2016 Over the Contiguous United States Using WRFâ€VPRM, a Weatherâ€Biosphereâ€Onlineâ€Coupled Model. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001875.	3.8	21
43	Small anomalies in dry-season greenness and chlorophyll fluorescence for Amazon moist tropical forests during El NiÃ±o and La NiÃ±a. Remote Sensing of Environment, 2021, 253, 112196.	11.0	21
44	Globalâ€Scale Consistency of Spaceborne Vegetation Indices, Chlorophyll Fluorescence, and Photosynthesis. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2020JG006136.	3.0	21
45	Impacts of juniper woody plant encroachment into grasslands on local climate. Agricultural and Forest Meteorology, 2021, 307, 108508.	4.8	21
46	Field work and statistical analyses for enhanced interpretation of satellite fire data. Remote Sensing of Environment, 2005, 96, 212-227.	11.0	17
47	Implementation of Improved Parameterization of Terrestrial Flux in WRFâ€VPRM Improves the Simulation of Nighttime CO₂ Peaks and a Daytime CO₂ Band Ahead of a Cold Front. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034362.	3.3	15
48	Transport and carbon exchanges in Red Sea Inverse Methodology. Global Biogeochemical Cycles, 1989, 3, 1-26.	4.9	14
49	Title is missing!. Indiana University Mathematics Journal, 1975, 24, 777.	0.9	8
50	A scanning strategy optimized for signal-to-noise ratio for the Geostationary Carbon Cycle Observatory (GeoCarb) instrument. Atmospheric Measurement Techniques, 2019, 12, 3317-3334.	3.1	7
51	Parameters for global ecosystem models. Nature, 1999, 399, 536-536.	27.8	6
52	The SzegÅ‘ infimum. Proceedings of the American Mathematical Society, 1971, 29, 55-55.	0.8	4
53	CLOSED REGENERATIVE LIFE SUPPORT SYSTEMS FOR SPACE TRAVEL: THEIR DEVELOPMENT POSES FUNDAMENTAL QUESTIONS FOR ECOLOGICAL SCIENCE. , 1979, 17, 3-12.		4
54	A factorable weight with zero SzegÃ¶ infimum. Proceedings of the American Mathematical Society, 1972, 35, 301-302.	0.8	1

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55	Introduction to Special Section: Global Analysis, Interpretation and Modelling-Toward the Integration of Global Biogeochemical Systems. Global Biogeochemical Cycles, 1996, 10, 675-675.	4.9	0