Ruth S Defries

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11071834/publications.pdf

Version: 2024-02-01

41	12,528	126907	265206
papers	citations	33 h-index	42 g-index

42	42	42	16382
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fire in the Earth System. Science, 2009, 324, 481-484.	12.6	2,330
2	Deforestation driven by urban population growth and agricultural trade in the twenty-first century. Nature Geoscience, 2010, 3, 178-181.	12.9	1,070
3	A global overview of the conservation status of tropical dry forests. Journal of Biogeography, 2006, 33, 491-505.	3.0	951
4	The Amazon basin in transition. Nature, 2012, 481, 321-328.	27.8	922
5	Cropland expansion changes deforestation dynamics in the southern Brazilian Amazon. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14637-14641.	7.1	780
6	Global distribution of C3and C4vegetation: Carbon cycle implications. Global Biogeochemical Cycles, 2003, 17, 6-1-6-14.	4.9	677
7	Land-use choices: balancing human needs and ecosystem function. Frontiers in Ecology and the Environment, 2004, 2, 249-257.	4.0	674
8	Estimated Global Mortality Attributable to Smoke from Landscape Fires. Environmental Health Perspectives, 2012, 120, 695-701.	6.0	576
9	Humid tropical forest clearing from 2000 to 2005 quantified by using multitemporal and multiresolution remotely sensed data. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9439-9444.	7.1	568
10	Carbon emissions from tropical deforestation and regrowth based on satellite observations for the 1980s and 1990s. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14256-14261.	7.1	562
11	Decoupling of deforestation and soy production in the southern Amazon during the late 2000s. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1341-1346.	7.1	462
12	El NiÃ±o and health risks from landscape fire emissions in southeast Asia. Nature Climate Change, 2013, 3, 131-136.	18.8	250
13	Public health impacts of the severe haze in Equatorial Asia in Septemberâ€“October 2015: demonstration of a new framework for informing fire management strategies to reduce downwind smoke exposure. Environmental Research Letters, 2016, 11, 094023.	5.2	249
14	Smallholder farmer cropping decisions related to climate variability across multiple regions. Global Environmental Change, 2014, 25, 163-172.	7.8	207
15	Forecasting Fire Season Severity in South America Using Sea Surface Temperature Anomalies. Science, 2011, 334, 787-791.	12.6	197
16	Detecting Long-term Global Forest Change Using Continuous Fields of Tree-Cover Maps from 8-km Advanced Very High Resolution Radiometer (AVHRR) Data for the Years 1982?99. Ecosystems, 2004, 7, 695-716.	3.4	190
17	Mapping the land surface for global atmosphere-biosphere models: Toward continuous distributions of vegetation's functional properties. Journal of Geophysical Research, 1995, 100, 20867.	3.3	175
18	Estimation of tree cover using MODIS data at global, continental and regional/local scales. International Journal of Remote Sensing, 2005, 26, 4359-4380.	2.9	174

#	Article	IF	Citations
19	Planetary Opportunities: A Social Contract for Global Change Science to Contribute to a Sustainable Future. BioScience, 2012, 62, 603-606.	4.9	169
20	Multiple pathways of commodity crop expansion in tropical forest landscapes. Environmental Research Letters, 2014, 9, 074012.	5.2	160
21	Long-term trends and interannual variability of forest, savanna and agricultural fires in South America. Carbon Management, 2013, 4, 617-638.	2.4	120
22	Measuring nutritional diversity of national food supplies. Global Food Security, 2014, 3, 174-182.	8.1	119
23	Mapping cropping intensity of smallholder farms: A comparison of methods using multiple sensors. Remote Sensing of Environment, 2013, 134, 210-223.	11.0	118
24	Understanding the causes and consequences of differential decision-making in adaptation research: Adapting to a delayed monsoon onset in Gujarat, India. Global Environmental Change, 2015, 31, 98-109.	7.8	110
25	Trade and the equitability of global food nutrient distribution. Nature Sustainability, 2018, 1, 34-37.	23.7	107
26	Rapid Assessment of Annual Deforestation in the Brazilian Amazon Using MODIS Data. Earth Interactions, 2005, 9, 1-22.	1.5	98
27	Mapping canopy damage from understory fires in Amazon forests using annual time series of Landsat and MODIS data. Remote Sensing of Environment, 2011, 115, 1706-1720.	11.0	96
28	Effects of land-use change on the carbon balance of terrestrial ecosystems. Geophysical Monograph Series, 2004, , 85-98.	0.1	92
29	Understanding dietary and staple food transitions in China from multiple scales. PLoS ONE, 2018, 13, e0195775.	2.5	40
30	Sensitivity of population smoke exposure to fire locations in Equatorial Asia. Atmospheric Environment, 2015, 102, 11-17.	4.1	39
31	Depopulation of rural landscapes exacerbates fire activity in the western Amazon. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21546-21550.	7.1	38
32	Sensitivity of crop cover to climate variability: Insights from two Indian agro-ecoregions. Journal of Environmental Management, 2015, 148, 21-30.	7.8	37
33	Regional air quality impacts of future fire emissions in Sumatra and Kalimantan. Environmental Research Letters, 2015, 10, 054010.	5.2	36
34	Fires, Smoke Exposure, and Public Health: An Integrative Framework to Maximize Health Benefits From Peatland Restoration. GeoHealth, 2019, 3, 178-189.	4.0	30
35	Changes in the dry tropical forests in Central India with human use. Regional Environmental Change, 2016, 16, 5-15.	2.9	25
36	Winter crop sensitivity to inter-annual climate variability in central India. Climatic Change, 2014, 126, 61-76.	3.6	23

#	Article	IF	Citations
37	Trade-offs in land-use decisions: Towards a framework for assessing multiple ecosystem responses to land-use change. Geophysical Monograph Series, 2004, , 1-9.	0.1	18
38	Observing and monitoring land use and land cover change. Geophysical Monograph Series, 2004, , 231-246.	0.1	10
39	Human Impacts Flatten Rainforest-Savanna Gradient and Reduce Adaptive Diversity in a Rainforest Bird. PLoS ONE, 2010, 5, e13088.	2.5	9
40	Impacts of agriculture on aquatic ecosystems in the humid United States. Geophysical Monograph Series, 2004, , 31-39.	0.1	7
41	Evaluation of ISLSCP Initiative II satellite-based land cover data sets and assessment of progress in land cover data for global modeling. Journal of Geophysical Research, 2006, 111, .	3.3	6