

Ruth S Defries

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

12,528
citations

126907

33
h-index

265206

42
g-index

42
all docs

42
docs citations

42
times ranked

16382
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Fires, Smoke Exposure, and Public Health: An Integrative Framework to Maximize Health Benefits From Peatland Restoration. <i>GeoHealth</i> , 2019, 3, 178-189. | 4.0 | 30 |
| 2 | Trade and the equitability of global food nutrient distribution. <i>Nature Sustainability</i> , 2018, 1, 34-37. | 23.7 | 107 |
| 3 | Understanding dietary and staple food transitions in China from multiple scales. <i>PLoS ONE</i> , 2018, 13, e0195775. | 2.5 | 40 |
| 4 | Public health impacts of the severe haze in Equatorial Asia in September–October 2015: demonstration of a new framework for informing fire management strategies to reduce downwind smoke exposure. <i>Environmental Research Letters</i> , 2016, 11, 094023. | 5.2 | 249 |
| 5 | Changes in the dry tropical forests in Central India with human use. <i>Regional Environmental Change</i> , 2016, 16, 5-15. | 2.9 | 25 |
| 6 | Understanding the causes and consequences of differential decision-making in adaptation research: Adapting to a delayed monsoon onset in Gujarat, India. <i>Global Environmental Change</i> , 2015, 31, 98-109. | 7.8 | 110 |
| 7 | Sensitivity of population smoke exposure to fire locations in Equatorial Asia. <i>Atmospheric Environment</i> , 2015, 102, 11-17. | 4.1 | 39 |
| 8 | Regional air quality impacts of future fire emissions in Sumatra and Kalimantan. <i>Environmental Research Letters</i> , 2015, 10, 054010. | 5.2 | 36 |
| 9 | Sensitivity of crop cover to climate variability: Insights from two Indian agro-ecoregions. <i>Journal of Environmental Management</i> , 2015, 148, 21-30. | 7.8 | 37 |
| 10 | Winter crop sensitivity to inter-annual climate variability in central India. <i>Climatic Change</i> , 2014, 126, 61-76. | 3.6 | 23 |
| 11 | Multiple pathways of commodity crop expansion in tropical forest landscapes. <i>Environmental Research Letters</i> , 2014, 9, 074012. | 5.2 | 160 |
| 12 | Smallholder farmer cropping decisions related to climate variability across multiple regions. <i>Global Environmental Change</i> , 2014, 25, 163-172. | 7.8 | 207 |
| 13 | Measuring nutritional diversity of national food supplies. <i>Global Food Security</i> , 2014, 3, 174-182. | 8.1 | 119 |
| 14 | Mapping cropping intensity of smallholder farms: A comparison of methods using multiple sensors. <i>Remote Sensing of Environment</i> , 2013, 134, 210-223. | 11.0 | 118 |
| 15 | El Niño and health risks from landscape fire emissions in southeast Asia. <i>Nature Climate Change</i> , 2013, 3, 131-136. | 18.8 | 250 |
| 16 | Long-term trends and interannual variability of forest, savanna and agricultural fires in South America. <i>Carbon Management</i> , 2013, 4, 617-638. | 2.4 | 120 |
| 17 | Estimated Global Mortality Attributable to Smoke from Landscape Fires. <i>Environmental Health Perspectives</i> , 2012, 120, 695-701. | 6.0 | 576 |
| 18 | Decoupling of deforestation and soy production in the southern Amazon during the late 2000s. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1341-1346. | 7.1 | 462 |

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|----|---|------|-----------|
| 19 | Planetary Opportunities: A Social Contract for Global Change Science to Contribute to a Sustainable Future. <i>BioScience</i> , 2012, 62, 603-606. | 4.9 | 169 |
| 20 | Depopulation of rural landscapes exacerbates fire activity in the western Amazon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 21546-21550. | 7.1 | 38 |
| 21 | The Amazon basin in transition. <i>Nature</i> , 2012, 481, 321-328. | 27.8 | 922 |
| 22 | Forecasting Fire Season Severity in South America Using Sea Surface Temperature Anomalies. <i>Science</i> , 2011, 334, 787-791. | 12.6 | 197 |
| 23 | Mapping canopy damage from understory fires in Amazon forests using annual time series of Landsat and MODIS data. <i>Remote Sensing of Environment</i> , 2011, 115, 1706-1720. | 11.0 | 96 |
| 24 | Deforestation driven by urban population growth and agricultural trade in the twenty-first century. <i>Nature Geoscience</i> , 2010, 3, 178-181. | 12.9 | 1,070 |
| 25 | Human Impacts Flatten Rainforest-Savanna Gradient and Reduce Adaptive Diversity in a Rainforest Bird. <i>PLoS ONE</i> , 2010, 5, e13088. | 2.5 | 9 |
| 26 | Fire in the Earth System. <i>Science</i> , 2009, 324, 481-484. | 12.6 | 2,330 |
| 27 | Humid tropical forest clearing from 2000 to 2005 quantified by using multitemporal and multiresolution remotely sensed data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9439-9444. | 7.1 | 568 |
| 28 | Evaluation of ISLSCP Initiative II satellite-based land cover data sets and assessment of progress in land cover data for global modeling. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 6 |
| 29 | A global overview of the conservation status of tropical dry forests. <i>Journal of Biogeography</i> , 2006, 33, 491-505. | 3.0 | 951 |
| 30 | Cropland expansion changes deforestation dynamics in the southern Brazilian Amazon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14637-14641. | 7.1 | 780 |
| 31 | Rapid Assessment of Annual Deforestation in the Brazilian Amazon Using MODIS Data. <i>Earth Interactions</i> , 2005, 9, 1-22. | 1.5 | 98 |
| 32 | Estimation of tree cover using MODIS data at global, continental and regional/local scales. <i>International Journal of Remote Sensing</i> , 2005, 26, 4359-4380. | 2.9 | 174 |
| 33 | 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 1982-1999. <i>Ecosystems</i> , 2004, 7, 695-716. | 3.4 | 190 |
| 34 | Impacts of agriculture on aquatic ecosystems in the humid United States. <i>Geophysical Monograph Series</i> , 2004, , 31-39. | 0.1 | 7 |
| 35 | Observing and monitoring land use and land cover change. <i>Geophysical Monograph Series</i> , 2004, , 231-246. | 0.1 | 10 |
| 36 | Effects of land-use change on the carbon balance of terrestrial ecosystems. <i>Geophysical Monograph Series</i> , 2004, , 85-98. | 0.1 | 92 |

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|----|--|-----|-----------|
| 37 | Trade-offs in land-use decisions: Towards a framework for assessing multiple ecosystem responses to land-use change. <i>Geophysical Monograph Series</i> , 2004, , 1-9. | 0.1 | 18 |
| 38 | Land-use choices: balancing human needs and ecosystem function. <i>Frontiers in Ecology and the Environment</i> , 2004, 2, 249-257. | 4.0 | 674 |
| 39 | Global distribution of C3and C4vegetation: Carbon cycle implications. <i>Global Biogeochemical Cycles</i> , 2003, 17, 6-1-6-14. | 4.9 | 677 |
| 40 | Carbon emissions from tropical deforestation and regrowth based on satellite observations for the 1980s and 1990s. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14256-14261. | 7.1 | 562 |
| 41 | Mapping the land surface for global atmosphere-biosphere models: Toward continuous distributions of vegetation's functional properties. <i>Journal of Geophysical Research</i> , 1995, 100, 20867. | 3.3 | 175 |