

Ronald D Sands

List of Publications by Year in descending order

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46
papers

3,796
citations

201674

27
h-index

254184

43
g-index

47
all docs

47
docs citations

47
times ranked

4906
citing authors

#	ARTICLE	IF	CITATIONS
1	Implications of Limiting CO ₂ Concentrations for Land Use and Energy. <i>Science</i> , 2009, 324, 1183-1186.	12.6	778
2	Climate change effects on agriculture: Economic responses to biophysical shocks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3274-3279.	7.1	568
3	The future of food demand: understanding differences in global economic models. <i>Agricultural Economics (United Kingdom)</i> , 2014, 45, 51-67.	3.9	357
4	Climate change impacts on agriculture in 2050 under a range of plausible socioeconomic and emissions scenarios. <i>Environmental Research Letters</i> , 2015, 10, 085010.	5.2	216
5	Why do global long-term scenarios for agriculture differ? An overview of the AgMIP Global Economic Model Intercomparison. <i>Agricultural Economics (United Kingdom)</i> , 2014, 45, 3-20.	3.9	183
6	Agriculture and climate change in global scenarios: why don't the models agree. <i>Agricultural Economics (United Kingdom)</i> , 2014, 45, 85-101.	3.9	172
7	Hotspots of uncertainty in land use and land cover change projections: a global scale model comparison. <i>Global Change Biology</i> , 2016, 22, 3967-3983.	9.5	171
8	The vulnerabilities of agricultural land and food production to future water scarcity. <i>Global Environmental Change</i> , 2019, 58, 101944.	7.8	120
9	Global energy sector emission reductions and bioenergy use: overview of the bioenergy demand phase of the EMF-33 model comparison. <i>Climatic Change</i> , 2020, 163, 1553-1568.	3.6	112
10	Assessing uncertainties in land cover projections. <i>Global Change Biology</i> , 2017, 23, 767-781.	9.5	103
11	Modeling Agriculture and Land Use in an Integrated Assessment Framework. <i>Climatic Change</i> , 2003, 56, 185-210.	3.6	83
12	Climate Change Impacts on U.S. Commercial Building Energy Consumption: An Analysis Using Sample Survey Data. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , 1996, 18, 177-201.	0.5	72
13	Intra-annual changes in biomass, carbon, and nitrogen dynamics at 4-year old switchgrass field trials in west Tennessee, USA†. <i>Agriculture, Ecosystems and Environment</i> , 2010, 136, 177-184.	5.3	72
14	The Economics of the Kyoto Protocol. <i>Energy Journal</i> , 1999, 20, 25-71.	1.7	64
15	Land-based climate change mitigation measures can affect agricultural markets and food security. <i>Nature Food</i> , 2022, 3, 110-121.	14.0	61
16	Where are the industrial technologies in energy-economy models? An innovative CGE approach for steel production in Germany. <i>Energy Economics</i> , 2007, 29, 799-825.	12.1	57
17	Biophysical and economic implications for agriculture of +1.5° and +2.0°C global warming using AgMIP Coordinated Global and Regional Assessments. <i>Climate Research</i> , 2018, 76, 17-39.	1.1	49
18	Coordinating AgMIP data and models across global and regional scales for 1.5°C and 2.0°C assessments. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20160455.	3.4	48

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19	Innovative energy technologies and climate policy in Germany. <i>Energy Policy</i> , 2006, 34, 3929-3941.	8.8	44
20	Impact of bioenergy crops in a carbon dioxide constrained world: an application of the MiniCAM energy-agriculture and land use model. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2008, 13, 675-701.	2.1	38
21	Competitiveness of terrestrial greenhouse gas offsets: are they a bridge to the future?. <i>Climatic Change</i> , 2007, 80, 109-126.	3.6	36
22	Integrated assessment model diagnostics: key indicators and model evolution. <i>Environmental Research Letters</i> , 2021, 16, 054046.	5.2	36
23	Dynamics of carbon abatement in the Second Generation Model. <i>Energy Economics</i> , 2004, 26, 721-738.	12.1	35
24	Economic effects of bioenergy policy in the United States and Europe: A general equilibrium approach focusing on forest biomass. <i>Renewable Energy</i> , 2014, 69, 428-436.	8.9	34
25	Food security under high bioenergy demand toward long-term climate goals. <i>Climatic Change</i> , 2020, 163, 1587-1601.	3.6	33
26	Uncertainty in integrated assessment models: modeling with MiniCAM 1.0. <i>Energy Policy</i> , 1999, 27, 855-879.	8.8	31
27	EMF-33 insights on bioenergy with carbon capture and storage (BECCS). <i>Climatic Change</i> , 2020, 163, 1621-1637.	3.6	30
28	EUROPEAN ENERGY EFFICIENCY AND DECARBONIZATION STRATEGIES BEYOND 2030 – A SECTORAL MULTI-MODEL DECOMPOSITION. <i>Climate Change Economics</i> , 2013, 04, 1340004.	5.0	29
29	Bio-electricity and land use in the Future Agricultural Resources Model (FARM). <i>Climatic Change</i> , 2014, 123, 719-730.	3.6	21
30	Future N ₂ O from US agriculture: projecting effects of changing land use, agricultural technology, and climate on N ₂ O emissions. <i>Global Environmental Change</i> , 2002, 12, 105-115.	7.8	19
31	Economic comparison of greenhouse gas mitigation options in Germany. <i>Energy Efficiency</i> , 2009, 2, 17-36.	2.8	18
32	A Global General Equilibrium Analysis of Biofuel Mandates and Greenhouse Gas Emissions. <i>American Journal of Agricultural Economics</i> , 2011, 93, 334-341.	4.3	15
33	Climate Change Impacts for the Conterminous USA: An Integrated Assessment. <i>Climatic Change</i> , 2005, 69, 127-150.	3.6	14
34	Impact of Agricultural Productivity Gains on Greenhouse Gas Emissions: A Global Analysis. <i>American Journal of Agricultural Economics</i> , 2013, 95, 1309-1316.	4.3	14
35	U.S. CO ₂ Mitigation in a Global Context: Welfare, Trade and Land Use. <i>Energy Journal</i> , 2014, 35, .	1.7	8
36	Global biomass supply modeling for long-run management of the climate system. <i>Climatic Change</i> , 2022, 172, .	3.6	8

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37	EUROPEAN-LED CLIMATE POLICY VERSUS GLOBAL MITIGATION ACTION: IMPLICATIONS ON TRADE, TECHNOLOGY, AND ENERGY. <i>Climate Change Economics</i> , 2013, 04, 1340002.	5.0	7
38	U.S. CARBON TAX SCENARIOS AND BIOENERGY. <i>Climate Change Economics</i> , 2018, 09, 1840010.	5.0	7
39	Representing technology in CGE models: a comparison of SCM and AMIGA for electricity sector CO ₂ mitigation. <i>International Journal of Energy Technology and Policy</i> , 2008, 6, 323.	0.2	6
40	What are the costs of limiting CO ₂ concentrations?. , 2003, , .		6
41	World agricultural baseline scenarios through 2050. <i>Applied Economic Perspectives and Policy</i> , 2022, 44, 2034-2048.	5.6	6
42	Greenhouse gas mitigation in a carbon constrained world—the role of CCS in Germany. <i>Energy Procedia</i> , 2009, 1, 3755-3762.	1.8	4
43	Climate Change Impacts for the Conterminous USA: An Integrated Assessment. , 2005, , 127-150.		4
44	Integrating agricultural and forestry GHG mitigation response into general economy frameworks: Developing a family of response functions. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2004, 9, 241-259.	2.1	3
45	Non-CO ₂ Greenhouse Gases in the Second Generation Model. <i>Energy Journal</i> , 2006, 27, 305-322.	1.7	3
46	Insights from EMF-associated agricultural and forestry greenhouse gas mitigation studies. , 2007, , 238-251.		1