

# William Salas

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

5,707  
citations

279798

23  
h-index

345221

36  
g-index

38  
all docs

38  
docs citations

38  
times ranked

7791  
citing authors

#	ARTICLE	IF	CITATIONS
1	Benchmark map of forest carbon stocks in tropical regions across three continents. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9899-9904.	7.1	1,659
2	Mapping paddy rice agriculture in southern China using multi-temporal MODIS images. Remote Sensing of Environment, 2005, 95, 480-492.	11.0	814
3	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
4	Baseline Map of Carbon Emissions from Deforestation in Tropical Regions. Science, 2012, 336, 1573-1576.	12.6	575
5	Monitoring Rice Agriculture across Myanmar Using Time Series Sentinel-1 Assisted by Landsat-8 and PALSAR-2. Remote Sensing, 2017, 9, 119.	4.0	202
6	Manure-DNDC: a biogeochemical process model for quantifying greenhouse gas and ammonia emissions from livestock manure systems. Nutrient Cycling in Agroecosystems, 2012, 93, 163-200.	2.2	195
7	First 20 years of DNDC (DeNitrification DeComposition): Model evolution. Ecological Modelling, 2014, 292, 51-62.	2.5	195
8	Modeling nitrate leaching with a biogeochemical model modified based on observations in a row-crop field in Iowa. Ecological Modelling, 2006, 196, 116-130.	2.5	166
9	Assessing Alternatives for Mitigating Net Greenhouse Gas Emissions and Increasing Yields from Rice Production in China Over the Next Twenty Years. Journal of Environmental Quality, 2006, 35, 1554-1565.	2.0	158
10	Reduced methane emissions from large-scale changes in water management of China's rice paddies during 1980-2000. Geophysical Research Letters, 2002, 29, 33-1-33-4.	4.0	134
11	Modeling impacts of farming management alternatives on CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> O emissions: A case study for water management of rice agriculture of China. Global Biogeochemical Cycles, 2005, 19, .	4.9	131
12	Agricultural land-use in China: a comparison of area estimates from ground-based census and satellite-borne remote sensing. Global Ecology and Biogeography, 1999, 8, 407-416.	5.8	92
13	Mitigation potential and costs for global agricultural greenhouse gas emissions <sup>1</sup> . Agricultural Economics (United Kingdom), 2008, 38, 109-115.	3.9	77
14	Regional Mapping of Plantation Extent Using Multisensor Imagery. Remote Sensing, 2016, 8, 236.	4.0	66
15	Global mitigation potential and costs of reducing agricultural non-CO <sub>2</sub> greenhouse gas emissions through 2030. Journal of Integrative Environmental Sciences, 2015, 12, 87-105.	2.5	61
16	Modeling biogeochemical impacts of bioenergy buffers with perennial grasses for a row-crop field in Illinois. GCB Bioenergy, 2012, 4, 739-750.	5.6	56
17	Modeling biogeochemical impacts of alternative management practices for a row-crop field in Iowa. Agriculture, Ecosystems and Environment, 2008, 123, 30-48.	5.3	53
18	A quantitative assessment of Beneficial Management Practices to reduce carbon and reactive nitrogen footprints and phosphorus losses on dairy farms in the US Great Lakes region. Agricultural Systems, 2018, 166, 10-25.	6.1	40

#	ARTICLE	IF	CITATIONS
19	Mapping Total Vegetation Cover Across Western Rangelands With Moderate-Resolution Imaging Spectroradiometer Data. <i>Rangeland Ecology and Management</i> , 2012, 65, 456-467.	2.3	34
20	Integrating SAR and optical imagery for regional mapping of paddy rice attributes in the Poyang Lake Watershed, China. <i>Canadian Journal of Remote Sensing</i> , 2011, 37, 17-26.	2.4	32
21	Climate smart agriculture opportunities for mitigating soil greenhouse gas emissions across the U.S. Corn-Belt. <i>Journal of Cleaner Production</i> , 2020, 268, 122240.	9.3	28
22	High Resolution Mapping of Peatland Hydroperiod at a High-Latitude Swedish Mire. <i>Remote Sensing</i> , 2012, 4, 1974-1994.	4.0	27
23	Mapping and modelling of greenhouse gas emissions from rice paddies with satellite radar observations and the DNDC biogeochemical model. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2007, 17, 319-329.	2.0	26
24	Year-round Nitrous Oxide Emissions as Affected by Timing and Method of Dairy Manure Application to Corn. <i>Soil Science Society of America Journal</i> , 2017, 81, 166-178.	2.2	25
25	Mapping Conservation Management Practices and Outcomes in the Corn Belt Using the Operational Tillage Information System (OpTIS) and the Denitrification-Decomposition (DNDC) Model. <i>Land</i> , 2020, 9, 408.	2.9	24
26	Changes in Irrigation Practices Likely Mitigate Nitrous Oxide Emissions From California Cropland. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1514-1527.	4.9	23
27	Assessing Short-term Impacts of Management Practices on N <sub>2</sub> O Emissions From Diverse Mediterranean Agricultural Ecosystems Using a Biogeochemical Model. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1557-1571.	3.0	22
28	Mapping rice greenhouse gas emissions in the Red River Delta, Vietnam. <i>Carbon Management</i> , 2017, 8, 99-108.	2.4	21
29	Mapping agricultural wetlands in the Sacramento Valley, USA with satellite remote sensing. <i>Wetlands Ecology and Management</i> , 2015, 23, 79-94.	1.5	20
30	Comparison of process-based models to quantify nutrient flows and greenhouse gas emissions associated with milk production. <i>Agriculture, Ecosystems and Environment</i> , 2017, 237, 31-44.	5.3	18
31	Generation of Large-Scale Moderate-Resolution Forest Height Mosaic With Spaceborne Repeat-Pass SAR Interferometry and Lidar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 770-787.	6.3	16
32	Analysis of beneficial management practices to mitigate environmental impacts in dairy production systems around the Great Lakes. <i>Agricultural Systems</i> , 2019, 176, 102660.	6.1	14
33	Use of local greenhouse gas inventories to prioritise opportunities for climate action planning and voluntary mitigation by agricultural stakeholders in California. <i>Journal of Environmental Planning and Management</i> , 2013, 56, 553-571.	4.5	13
34	Global Research Alliance Modelling Platform (GRAMP): An open web platform for modelling greenhouse gas emissions from agro-ecosystems. <i>Computers and Electronics in Agriculture</i> , 2015, 111, 112-120.	7.7	12
35	Assessing and reducing the environmental impact of dairy production systems in the northern US in a changing climate. <i>Agricultural Systems</i> , 2021, 192, 103170.	6.1	6
36	Agricultural Offset Potential in the United States: Economic and Geospatial Insights. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2

#	ARTICLE	IF	CITATIONS
37	A Decreasing Trend of Nitrous Oxide Emissions From California Cropland From 2000 to 2015. <i>Earth's Future</i> , 2022, 10, .	6.3	2
38	A DECISION TREE-BASED APPROACH TO CALCULATE NITROUS OXIDE FLUXES FROM CHAMBER MEASUREMENTS. <i>Canadian Journal of Soil Science</i> , 0, , .	1.2	1