

Rosamond L Naylor

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

27,483
citations

36303

51
h-index

38395

95
g-index

102
all docs

102
docs citations

102
times ranked

31089
citing authors

#	ARTICLE	IF	CITATIONS
1	Agricultural sustainability and intensive production practices. <i>Nature</i> , 2002, 418, 671-677.	27.8	5,748
2	Consequences of changing biodiversity. <i>Nature</i> , 2000, 405, 234-242.	27.8	3,209
3	Effect of aquaculture on world fish supplies. <i>Nature</i> , 2000, 405, 1017-1024.	27.8	2,310
4	Prioritizing Climate Change Adaptation Needs for Food Security in 2030. <i>Science</i> , 2008, 319, 607-610.	12.6	2,309
5	Historical Warnings of Future Food Insecurity with Unprecedented Seasonal Heat. <i>Science</i> , 2009, 323, 240-244.	12.6	1,406
6	Feeding aquaculture in an era of finite resources. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15103-15110.	7.1	1,111
7	A 20-year retrospective review of global aquaculture. <i>Nature</i> , 2021, 591, 551-563.	27.8	871
8	Increase in crop losses to insect pests in a warming climate. <i>Science</i> , 2018, 361, 916-919.	12.6	764
9	Ecosystem stewardship: sustainability strategies for a rapidly changing planet. <i>Trends in Ecology and Evolution</i> , 2010, 25, 241-249.	8.7	744
10	Illustrating the coupled human–environment system for vulnerability analysis: Three case studies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 8080-8085.	7.1	476
11	Does aquaculture add resilience to the global food system?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13257-13263.	7.1	468
12	Integration of Environmental, Agronomic, and Economic Aspects of Fertilizer Management. <i>Science</i> , 1998, 280, 112-115.	12.6	415
13	The future of food from the sea. <i>Nature</i> , 2020, 588, 95-100.	27.8	403
14	ECOLOGY: Aquaculture—A Gateway for Exotic Species. <i>Science</i> , 2001, 294, 1655-1656.	12.6	393
15	Fugitive Salmon: Assessing the Risks of Escaped Fish from Net-Pen Aquaculture. <i>BioScience</i> , 2005, 55, 427.	4.9	326
16	AGRICULTURE: Losing the Links Between Livestock and Land. <i>Science</i> , 2005, 310, 1621-1622.	12.6	315
17	China's aquaculture and the world's wild fisheries. <i>Science</i> , 2015, 347, 133-135.	12.6	315
18	Searching for Solutions in Aquaculture: Charting a Sustainable Course. <i>Annual Review of Environment and Resources</i> , 2012, 37, 247-276.	13.4	305

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19	Future warming increases probability of globally synchronized maize production shocks. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6644-6649.	7.1	301
20	Innovation can accelerate the transition towards a sustainable food system. Nature Food, 2020, 1, 266-272.	14.0	285
21	Assessing risks of climate variability and climate change for Indonesian rice agriculture. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7752-7757.	7.1	247
22	AQUACULTURE AND OCEAN RESOURCES: Raising Tigers of the Sea. Annual Review of Environment and Resources, 2005, 30, 185-218.	13.4	246
23	The Ripple Effect: Biofuels, Food Security, and the Environment. Environment, 2007, 49, 30-43.	1.4	246
24	Analysis of wheat yield and climatic trends in Mexico. Field Crops Research, 2005, 94, 250-256.	5.1	228
25	Agriculture in Brazil: impacts, costs, and opportunities for a sustainable future. Current Opinion in Environmental Sustainability, 2010, 2, 431-438.	6.3	182
26	Smallholder Irrigation as a Poverty Alleviation Tool in Sub-Saharan Africa. World Development, 2012, 40, 110-123.	4.9	182
27	Solar-powered drip irrigation enhances food security in the Sudano-Sahel. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1848-1853.	7.1	179
28	Increasing Wildfire in Alaska's Boreal Forest: Pathways to Potential Solutions of a Wicked Problem. BioScience, 2008, 58, 531-540.	4.9	170
29	Biotechnology in the developing world: a case for increased investments in orphan crops. Food Policy, 2004, 29, 15-44.	6.0	167
30	International Trade in Meat: The Tip of the Pork Chop. Ambio, 2007, 36, 622-629.	5.5	161
31	Policy strategies to address sustainability of Alaskan boreal forests in response to a directionally changing climate. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16637-16643.	7.1	145
32	Articulating the effect of food systems innovation on the Sustainable Development Goals. Lancet Planetary Health, The, 2021, 5, e50-e62.	11.4	135
33	Opportunity for marine fisheries reform in China. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 435-442.	7.1	131
34	The case for distributed irrigation as a development priority in sub-Saharan Africa. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12513-12517.	7.1	129
35	Future seascapes, fishing, and fish farming. Frontiers in Ecology and the Environment, 2005, 3, 21-28.	4.0	121
36	Land institutions and supply chain configurations as determinants of soybean planted area and yields in Brazil. Land Use Policy, 2013, 31, 385-396.	5.6	114

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37	Using El Niño/Southern Oscillation Climate Data to Predict Rice Production in Indonesia. <i>Climatic Change</i> , 2001, 50, 255-265.	3.6	111
38	The political economy of biodiesel in an era of low oil prices. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 695-705.	16.4	110
39	Blue food demand across geographic and temporal scales. <i>Nature Communications</i> , 2021, 12, 5413.	12.8	110
40	The new economic geography of land use change: Supply chain configurations and land use in the Brazilian Amazon. <i>Land Use Policy</i> , 2013, 34, 265-275.	5.6	109
41	Food Security in an Era of Economic Volatility. <i>Population and Development Review</i> , 2010, 36, 693-723.	2.1	94
42	Harnessing the diversity of small-scale actors is key to the future of aquatic food systems. <i>Nature Food</i> , 2021, 2, 733-741.	14.0	74
43	Valuing mangrove resources in Kosrae, Micronesia. <i>Environment and Development Economics</i> , 1998, 3, 471-490.	1.5	72
44	Salmon Aquaculture in the Pacific Northwest A Global Industry with Local Impacts. <i>Environment</i> , 2003, 45, 18-39.	1.4	66
45	Climate engineering reconsidered. <i>Nature Climate Change</i> , 2014, 4, 527-529.	18.8	63
46	The rise in global biodiesel production: Implications for food security. <i>Global Food Security</i> , 2018, 16, 75-84.	8.1	63
47	High Time for Conservation: Adding the Environment to the Debate on Marijuana Liberalization. <i>BioScience</i> , 2015, 65, 822-829.	4.9	61
48	Sugar and ethanol production as a rural development strategy in Brazil: Evidence from the state of São Paulo. <i>Agricultural Systems</i> , 2011, 104, 419-428.	6.1	60
49	ENERGY AND RESOURCE CONSTRAINTS ON INTENSIVE AGRICULTURAL PRODUCTION. <i>Annual Review of Environment and Resources</i> , 1996, 21, 99-123.	1.2	57
50	Introducing the Scientific Consensus on Maintaining Humanity's Life Support Systems in the 21st Century: Information for Policy Makers. <i>Infrastructure Asset Management</i> , 2014, 1, 78-109.	1.6	55
51	Association Between Women's Empowerment and Maternal and Child Nutrition in Kalalé District of Northern Benin. <i>Food and Nutrition Bulletin</i> , 2017, 38, 302-318.	1.4	55
52	Expanding the boundaries of agricultural development. <i>Food Security</i> , 2011, 3, 233-251.	5.3	53
53	Large scale tropical deforestation drives extreme warming. <i>Environmental Research Letters</i> , 2020, 15, 084012.	5.2	51
54	The Role of Genomics Research in Improvement of "Orphan" Crops. <i>Crop Science</i> , 2004, 44, 1901-1904.	1.8	50

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55	Compound climate risks threaten aquatic food system benefits. <i>Nature Food</i> , 2021, 2, 673-682.	14.0	48
56	Rethinking Food Security for the Twenty-first Century. <i>American Journal of Agricultural Economics</i> , 2005, 87, 1113-1127.	4.3	46
57	Causes of Indonesia's forest fires. <i>World Development</i> , 2020, 127, 104717.	4.9	45
58	Using climate models to improve Indonesian food security. <i>Bulletin of Indonesian Economic Studies</i> , 2004, 40, 355-377.	1.6	44
59	Oil palm expansion in Cameroon: Insights into sustainability opportunities and challenges in Africa. <i>Global Environmental Change</i> , 2017, 47, 190-200.	7.8	44
60	Prevalence of anaemia, deficiencies of iron and vitamin A and their determinants in rural women and young children: a cross-sectional study in Kalalã district of northern Benin. <i>Public Health Nutrition</i> , 2017, 20, 1203-1213.	2.2	42
61	Solar-Powered Drip Irrigation Impacts on Crops Production Diversity and Dietary Diversity in Northern Benin. <i>Food and Nutrition Bulletin</i> , 2016, 37, 164-175.	1.4	41
62	Business strategies for conservation on private lands: Koa forestry as a case study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10140-10145.	7.1	39
63	USING EL NIÑO-SOUTHERN OSCILLATION CLIMATE DATA TO IMPROVE FOOD POLICY PLANNING IN INDONESIA. <i>Bulletin of Indonesian Economic Studies</i> , 2002, 38, 75-91.	1.6	37
64	Migration, Markets, and Mangrove Resource Use on Kosrae, Federated States of Micronesia. <i>Ambio</i> , 2002, 31, 340-350.	5.5	37
65	El Niño-Southern Oscillation Impacts on Rice Production in Luzon, the Philippines. <i>Journal of Applied Meteorology and Climatology</i> , 2009, 48, 1718-1724.	1.5	37
66	The vital roles of blue foods in the global food system. <i>Global Food Security</i> , 2022, 33, 100637.	8.1	37
67	Why farm salmon outcompete fishery salmon. <i>Marine Policy</i> , 2004, 28, 259-270.	3.2	36
68	Impacts of El Nino-Southern Oscillation events on China's rice production. <i>Journal of Chinese Geography</i> , 2010, 20, 3-16.	3.9	34
69	Social dimensions of fertility behavior and consumption patterns in the Anthropocene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6300-6307.	7.1	33
70	Decentralization and the environment: Assessing smallholder oil palm development in Indonesia. <i>Ambio</i> , 2019, 48, 1195-1208.	5.5	32
71	Variability and Growth in Grain Yields, 1950-94: Does the Record Point to Greater Instability?. <i>Population and Development Review</i> , 1997, 23, 41.	2.1	29
72	A case study of land reform and coastal land transformation in southern Sonora, Mexico. <i>Land Use Policy</i> , 2006, 23, 436-447.	5.6	27

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73	Numerical modeling of aquaculture dissolved waste transport in a coastal embayment. <i>Environmental Fluid Mechanics</i> , 2011, 11, 329-352.	1.6	27
74	Oil crops, aquaculture, and the rising role of demand: A fresh perspective on food security. <i>Global Food Security</i> , 2016, 11, 17-25.	8.1	26
75	Herbicide use in Asian rice production. <i>World Development</i> , 1994, 22, 55-70.	4.9	24
76	The effects of intensive aquaculture on nutrient residence time and transport in a coastal embayment. <i>Environmental Fluid Mechanics</i> , 2018, 18, 1321-1349.	1.6	23
77	A Tropical Freshwater Wetland: III. Direct Use Values and Other Goods and Services. <i>Wetlands Ecology and Management</i> , 2005, 13, 685-693.	1.5	18
78	Downscaling Indonesian precipitation using large-scale meteorological fields. <i>International Journal of Climatology</i> , 2010, 30, 1706-1722.	3.5	13
79	Is the locus of poverty changing?. <i>Food Policy</i> , 1995, 20, 501-518.	6.0	12
80	Labour-Saving Technologies in the Javanese Rice Economy: Recent Developments and a Look into the 1990s. <i>Bulletin of Indonesian Economic Studies</i> , 1992, 28, 71-91.	1.6	11
81	The impact of a Solar Market Garden programme on dietary diversity, women's nutritional status and micronutrient levels in Kalalã© district of northern Benin. <i>Public Health Nutrition</i> , 2019, 22, 2670-2681.	2.2	10
82	Mapping Sugarcane in Central India with Smartphone Crowdsourcing. <i>Remote Sensing</i> , 2022, 14, 703.	4.0	9
83	Culture and Agriculture: Employment Practices Affecting Women in Java's Rice Economy. <i>Economic Development and Cultural Change</i> , 1994, 42, 509-535.	1.8	7
84	Offshore Aquaculture Legislation. <i>Science</i> , 2006, 313, 1363-1363.	12.6	7
85	The Maize Transition in Asia: Unlocking the Controversy. <i>American Journal of Agricultural Economics</i> , 1998, 80, 960-968.	4.3	5
86	Wage Trends in Rice Production on Java: 1976-1988. <i>Bulletin of Indonesian Economic Studies</i> , 1990, 26, 133-156.	1.6	4
87	Coping with Climate Risks in Indonesian Rice Agriculture: A Policy Perspective. <i>Profiles in Operations Research</i> , 2009, , 127-153.	0.4	2
88	Redefining Security Along the Food-Health Nexus: report of a conference and center launch held at Stanford University on November 10, 2011. <i>Food Security</i> , 2012, 4, 147-150.	5.3	2
89	The Elusive Goal of Global Food Security. <i>Current History</i> , 2018, 117, 3-9.	0.7	2
90	Food, conservation, and global environment change: Is compromise possible?. <i>Food Policy</i> , 1993, 18, 249-251.	6.0	1

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91	Susan Lynn Williams: the Life of an Exceptional Scholar, Leader, and Friend (1951â€“2018). <i>Estuaries and Coasts</i> , 2021, 44, 304-311.	2.2	1
92	Aquaculture Over-Optimism. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
93	Using Conditional Cash Payments to Prevent Land-Clearing Fires: Cautionary Findings from Indonesia. <i>Agriculture (Switzerland)</i> , 2022, 12, 1040.	3.1	1
94	Real wages and institutional change. <i>Food Policy</i> , 1993, 18, 73-78.	6.0	0
95	Modern Rice Technology and Income Distribution in Asia. Edited by Cristina David and Keiji Otsuka. Boulder, Colo.: Lynne Rienner Publishers, 1994. 473 pp.. <i>Journal of Asian Studies</i> , 1994, 53, 893-895.	0.1	0
96	Is fertilization efficiency misleading?. <i>Nature</i> , 2003, 422, 398-398.	27.8	0
97	Model vs. experiment to predict crop lossesâ€”Response. <i>Science</i> , 2018, 362, 1122-1123.	12.6	0