Carl S Smith

List of Publications by Year
in descending order

55 papers	2,309 citations	257101 24 h-index	223531 46 g-index
55 all docs	55 docs citations	55 times ranked	3137 citing authors

#	Article	IF	Citations
1	Key factors which influence the success of community forestry in developing countries. Global Environmental Change, 2015, 35, 226-238.	3.6	228
2	A system dynamics simulation model for sustainable water resources management and agricultural development in the Volta River Basin, Ghana. Science of the Total Environment, 2016, 573, 444-457.	3.9	160
3	Assessing the sustainability of agriculture at the planning stage. Journal of Environmental Management, 1998, 52, 15-37.	3.8	159
4	More than just trees: Assessing reforestation success in tropical developing countries. Journal of Rural Studies, 2012, 28, 5-19.	2.1	147
5	Using a Bayesian belief network to predict suitable habitat of an endangered mammal â€“ The Julia Creek dunnart (Sminthopsis douglasi). Biological Conservation, 2007, 139, 333-347.	1.9	145
6	Understanding enabling capacities for managing the â€˜wicked problemâ€™ of nonpoint source water pollution in catchments: A conceptual framework. Journal of Environmental Management, 2013, 128, 441-452.	3.8	114
7	Getting the big picture in natural resource management-systems thinking as â€˜methodâ€™ for scientists, policy makers and other stakeholders. Systems Research and Behavioral Science, 2007, 24, 217-232.	0.9	103
8	Addressing the threats to tourism sustainability using systems thinking: a case study of Cat Ba Island, Vietnam. Journal of Sustainable Tourism, 2015, 23, 1504-1528.	5.7	93
9	Developing decision support tools for rangeland management by combining state and transition models and Bayesian belief networks. Agricultural Systems, 2008, 99, 23-34.	3.2	83
10	What drives the success of reforestation projects in tropical developing countries? The case of the Philippines. Global Environmental Change, 2014, 24, 334-348.	3.6	81
11	The application of system dynamics modelling to environmental health decision-making and policy - a scoping review. BMC Public Health, 2018, 18, 402.	1.2	79
12	Scenario-based planning for tourism development using system dynamic modelling: A case study of Cat Ba Island, Vietnam. Tourism Management, 2018, 68, 336-354.	5.8	73
13	Land-use and environmental pressures resulting from current and future bioenergy crop expansion: A review. Journal of Rural Studies, 2012, 28, 650-658.	2.1	67
14	The socio-ecological drivers of forest degradation in part of the tropical peatlands of Central Kalimantan, Indonesia. Forestry, 2014, 87, 335-345.	1.2	51
15	Adaptive management: making it happen through participatory systems analysis. Systems Research and Behavioral Science, 2007, 24, 567-587.	0.9	42
16	Causal loop modelling of residential solar and battery adoption dynamics: A case study of Queensland, Australia. Journal of Cleaner Production, 2018, 172, 2363-2373.	4.6	42
17	Drivers of agricultural sustainability in developing countries: a review. Environment Systems and Decisions, 2014, 34, 326-341.	1.9	39
18	Use of freely available datasets and machine learning methods in predicting deforestation. Environmental Modelling and Software, 2017, 87, 17-28.	1.9	38

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19	Grazing as a post-mining land use: A conceptual model of the risk factors. Agricultural Systems, 2012, 109, 76-89.	3.2	37
20	An analysis of the socio-economic factors influencing the adoption of conservation agriculture as a climate change mitigation activity in Australian dryland grain production. Agricultural Systems, 2015, 135, 20-30.	3.2	33
21	Can a problem-solving approach strengthen landscape ecologyâ€™s contribution to sustainable landscape planning?. Landscape Ecology, 2010, 25, 1155-1168.	1.9	31
22	Untangling the underlying drivers of the use of single-use food packaging. Ecological Economics, 2021, 185, 107063.	2.9	29
23	Estimating the influence of land management change on weed invasion potential using expert knowledge. Diversity and Distributions, 2012, 18, 818-831.	1.9	28
24	A systems approach to improving the quality of tree seedlings for agroforestry, tree farming and reforestation in the Philippines. Land Use Policy, 2015, 47, 29-41.	2.5	27
25	Smallholder Farmers and the Dynamics of Degradation of Peatland Ecosystems in Central Kalimantan, Indonesia. Ecological Economics, 2017, 136, 101-113.	2.9	27
26	Modelling seasonal habitat suitability for wide-ranging species: Invasive wild pigs in northern Australia. PLoS ONE, 2017, 12, e0177018.	1.1	25
27	TIM: Assessing the sustainability of agricultural land management. Journal of Environmental Management, 2000, 60, 267-288.	3.8	24
28	Predicting a â€˜tree changeâ€™ in Australia's tropical savannas: Combining different types of models to understand complex ecosystem behaviour. Ecological Modelling, 2010, 221, 2565-2575.	1.2	24
29	Environmental implications of using â€˜underutilised agricultural landâ€™ for future bioenergy crop production. Agricultural Systems, 2015, 139, 180-195.	3.2	24
30	Predictive risk mapping of an environmentally-driven infectious disease using spatial Bayesian networks: A case study of leptospirosis in Fiji. PLoS Neglected Tropical Diseases, 2018, 12, e0006857.	1.3	24
31	Considerations for selecting a machine learning technique for predicting deforestation. Environmental Modelling and Software, 2020, 131, 104741.	1.9	21
32	How sustainable is disaster resilience?. International Journal of Disaster Resilience in the Built Environment, 2017, 8, 555-572.	0.7	19
33	Inventory Procedures for Smallholder and Community Woodlots in the Philippines: Methods, Initial Findings and Insights. Small-Scale Forestry, 2014, 13, 79-100.	0.7	15
34	Unravelling infectious disease eco-epidemiology using Bayesian networks and scenario analysis: A case study of leptospirosis in Fiji. Environmental Modelling and Software, 2017, 97, 271-286.	1.9	15
35	Effectiveness of Market-Level Biosecurity at Reducing Exposure of Poultry and Humans to Avian Influenza: A Systematic Review and Meta-Analysis. Journal of Infectious Diseases, 2018, 218, 1861-1875.	1.9	15
36	Enabling and Enacting â€˜Practical Actionâ€™ in Catchments: Responding to the â€˜Wicked Problemâ€™ of Nonpoint Source Pollution in Coastal Subtropical Australia. Environmental Management, 2015, 55, 479-495.	1.2	14

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37	The dynamics of rubber production in Malaysia: Potential impacts, challenges and proposed interventions. Forest Policy and Economics, 2021, 127, 102449.	1.5	14
38	Agricultural Sustainability in Developing Countries: An Assessment of the Relationships Between Drivers and Indicators in Hoa Binh Province, Vietnam. Agroecology and Sustainable Food Systems, 2013, 37, 1144-1186.	1.0	12
39	Application of the Crop Carbon Progress Calculator in a â€˜farm to shipâ€™ cotton production case study in Australia. Journal of Cleaner Production, 2015, 103, 675-684.	4.6	11
40	Knowledge, attitudes, and practices associated with avian influenza along the live chicken market chains in Eastern China: A crossâ€sectional survey in Shanghai, Anhui, and Jiangsu. Transboundary and Emerging Diseases, 2019, 66, 1529-1538.	1.3	11
41	Beyond the social license to operate: Whole system approaches for a socially responsible mining industry. Energy Research and Social Science, 2022, 83, 102343.	3.0	11
42	Bringing Agroforestry Technology to Farmers in the Philippines: Identifying Constraints to the Success of Extension Activities Using Systems Modelling. Small-Scale Forestry, 2011, 10, 357-376.	0.7	10
43	Identifying interactions among reforestation success drivers: A case study from the Philippines. Ecological Modelling, 2015, 316, 62-77.	1.2	9
44	Bayesian networks in infectious disease eco-epidemiology. Reviews on Environmental Health, 2016, 31, 173-177.	1.1	9
45	Creating healthy and just bioregions. Reviews on Environmental Health, 2016, 31, 103-109.	1.1	9
46	A Comparative Analysis of Relevant Crop Carbon Footprint Calculators, with Reference to Cotton Production in Australia. Agroecology and Sustainable Food Systems, 2014, 38, 962-992.	1.0	7
47	A Comparison of Growth, Structure and Diversity of Mixed Species and Monoculture Reforestation Systems in the Philippines. Journal of Sustainable Forestry, 2021, 40, 401-430.	0.6	7
48	Use of a structure aware discretisation algorithm for Bayesian networks applied to water quality predictions. Mathematics and Computers in Simulation, 2020, 175, 192-201.	2.4	6
49	Population status of the Southwest China Serow Capricornis milneedwardsii: A case study in Cat Ba Archipelago, Vietnam.. Pacific Conservation Biology, 2014, 20, 385.	0.5	5
50	Using a Balanced Scorecard to Improve the Management of Natural Resources: Experiences from Baden-WÃ¼rttemberg. Society and Natural Resources, 2013, 26, 865-882.	0.9	3
51	Geographical variation in the risk of H7N9 human infections in China: implications for risk-based surveillance. Scientific Reports, 2020, 10, 10372.	1.6	3
52	Tackling the â€˜Howâ€™ Question: Enabling and Enacting Practical Action for Managing the Wicked Problem of Nonpoint Source Pollution in Catchments. , 2014, , 289-302.		3
53	Taking a whole-of-system approach to food packaging reduction. Journal of Cleaner Production, 2022, 338, 130632.	4.6	2
54	ForesTIM: Evaluating plantation forest land management by identifying unsustainable practices. Australian Forestry, 1998, 61, 89-102.	0.3	1

#	Article	IF	Citations
55	Mainstreaming Systems Science. Science, 2012, 337, 645-645.	6.0	0