

Carl S Smith

List of Publications by Year in descending order

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Version: 2024-02-01

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	Beyond the social license to operate: Whole system approaches for a socially responsible mining industry. <i>Energy Research and Social Science</i> , 2022, 83, 102343.	3.0	11
2	Taking a whole-of-system approach to food packaging reduction. <i>Journal of Cleaner Production</i> , 2022, 338, 130632.	4.6	2
3	A Comparison of Growth, Structure and Diversity of Mixed Species and Monoculture Reforestation Systems in the Philippines. <i>Journal of Sustainable Forestry</i> , 2021, 40, 401-430.	0.6	7
4	The dynamics of rubber production in Malaysia: Potential impacts, challenges and proposed interventions. <i>Forest Policy and Economics</i> , 2021, 127, 102449.	1.5	14
5	Untangling the underlying drivers of the use of single-use food packaging. <i>Ecological Economics</i> , 2021, 185, 107063.	2.9	29
6	Use of a structure aware discretisation algorithm for Bayesian networks applied to water quality predictions. <i>Mathematics and Computers in Simulation</i> , 2020, 175, 192-201.	2.4	6
7	Considerations for selecting a machine learning technique for predicting deforestation. <i>Environmental Modelling and Software</i> , 2020, 131, 104741.	1.9	21
8	Geographical variation in the risk of H7N9 human infections in China: implications for risk-based surveillance. <i>Scientific Reports</i> , 2020, 10, 10372.	1.6	3
9	Knowledge, attitudes, and practices associated with avian influenza along the live chicken market chains in Eastern China: A cross-sectional survey in Shanghai, Anhui, and Jiangsu. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 1529-1538.	1.3	11
10	Causal loop modelling of residential solar and battery adoption dynamics: A case study of Queensland, Australia. <i>Journal of Cleaner Production</i> , 2018, 172, 2363-2373.	4.6	42
11	Predictive risk mapping of an environmentally-driven infectious disease using spatial Bayesian networks: A case study of leptospirosis in Fiji. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006857.	1.3	24
12	Scenario-based planning for tourism development using system dynamic modelling: A case study of Cat Ba Island, Vietnam. <i>Tourism Management</i> , 2018, 68, 336-354.	5.8	73
13	Effectiveness of Market-Level Biosecurity at Reducing Exposure of Poultry and Humans to Avian Influenza: A Systematic Review and Meta-Analysis. <i>Journal of Infectious Diseases</i> , 2018, 218, 1861-1875.	1.9	15
14	The application of system dynamics modelling to environmental health decision-making and policy - a scoping review. <i>BMC Public Health</i> , 2018, 18, 402.	1.2	79
15	Smallholder Farmers and the Dynamics of Degradation of Peatland Ecosystems in Central Kalimantan, Indonesia. <i>Ecological Economics</i> , 2017, 136, 101-113.	2.9	27
16	How sustainable is disaster resilience?. <i>International Journal of Disaster Resilience in the Built Environment</i> , 2017, 8, 555-572.	0.7	19
17	Unravelling infectious disease eco-epidemiology using Bayesian networks and scenario analysis: A case study of leptospirosis in Fiji. <i>Environmental Modelling and Software</i> , 2017, 97, 271-286.	1.9	15
18	Use of freely available datasets and machine learning methods in predicting deforestation. <i>Environmental Modelling and Software</i> , 2017, 87, 17-28.	1.9	38

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19	Modelling seasonal habitat suitability for wide-ranging species: Invasive wild pigs in northern Australia. PLoS ONE, 2017, 12, e0177018.	1.1	25
20	Bayesian networks in infectious disease eco-epidemiology. Reviews on Environmental Health, 2016, 31, 173-177.	1.1	9
21	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
22	Creating healthy and just bioregions. Reviews on Environmental Health, 2016, 31, 103-109.	1.1	9
23	Identifying interactions among reforestation success drivers: A case study from the Philippines. Ecological Modelling, 2015, 316, 62-77.	1.2	9
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	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
26	Enabling and Enacting "Practical Action"™ in Catchments: Responding to the "Wicked Problem"™ of Nonpoint Source Pollution in Coastal Subtropical Australia. Environmental Management, 2015, 55, 479-495.	1.2	14
27	Application of the Crop Carbon Progress Calculator in a "farm to ship"™ cotton production case study in Australia. Journal of Cleaner Production, 2015, 103, 675-684.	4.6	11
28	Environmental implications of using "underutilised agricultural land"™ for future bioenergy crop production. Agricultural Systems, 2015, 139, 180-195.	3.2	24
29	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
30	Key factors which influence the success of community forestry in developing countries. Global Environmental Change, 2015, 35, 226-238.	3.6	228
31	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
32	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
33	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
34	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
35	Drivers of agricultural sustainability in developing countries: a review. Environment Systems and Decisions, 2014, 34, 326-341.	1.9	39
36	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

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37	Tackling the "How" Question: Enabling and Enacting Practical Action for Managing the Wicked Problem of Nonpoint Source Pollution in Catchments. , 2014, , 289-302.		3
38	Understanding enabling capacities for managing the "wicked problem" of nonpoint source water pollution in catchments: A conceptual framework. Journal of Environmental Management, 2013, 128, 441-452.	3.8	114
39	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
40	Using a Balanced Scorecard to Improve the Management of Natural Resources: Experiences from Baden-Württemberg. Society and Natural Resources, 2013, 26, 865-882.	0.9	3
41	Mainstreaming Systems Science. Science, 2012, 337, 645-645.	6.0	0
42	Estimating the influence of land management change on weed invasion potential using expert knowledge. Diversity and Distributions, 2012, 18, 818-831.	1.9	28
43	Grazing as a post-mining land use: A conceptual model of the risk factors. Agricultural Systems, 2012, 109, 76-89.	3.2	37
44	More than just trees: Assessing reforestation success in tropical developing countries. Journal of Rural Studies, 2012, 28, 5-19.	2.1	147
45	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
46	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
47	Can a problem-solving approach strengthen landscape ecology's contribution to sustainable landscape planning?. Landscape Ecology, 2010, 25, 1155-1168.	1.9	31
48	Predicting a "tree change" in Australia's tropical savannas: Combining different types of models to understand complex ecosystem behaviour. Ecological Modelling, 2010, 221, 2565-2575.	1.2	24
49	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
50	Getting the big picture in natural resource management-systems thinking as "method" for scientists, policy makers and other stakeholders. Systems Research and Behavioral Science, 2007, 24, 217-232.	0.9	103
51	Using a Bayesian belief network to predict suitable habitat of an endangered mammal " The Julia Creek dunnart (Sminthopsis douglasi). Biological Conservation, 2007, 139, 333-347.	1.9	145
52	Adaptive management: making it happen through participatory systems analysis. Systems Research and Behavioral Science, 2007, 24, 567-587.	0.9	42
53	TIM: Assessing the sustainability of agricultural land management. Journal of Environmental Management, 2000, 60, 267-288.	3.8	24
54	Assessing the sustainability of agriculture at the planning stage. Journal of Environmental Management, 1998, 52, 15-37.	3.8	159

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55	ForesTIM: Evaluating plantation forest land management by identifying unsustainable practices. Australian Forestry, 1998, 61, 89-102.	0.3	1