Daniel D Moran

List of Publications by Citations

70 papers	6,328 citations	36 h-index	74 g-index
74 ext. papers	7,645 ext. citations	7.5 avg, IF	6.21 L-index

#	Paper	IF	Citations
70	The material footprint of nations. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 6271-6	11.5	834
69	BUILDING EORA: A GLOBAL MULTI-REGION INPUT–OUTPUT DATABASE AT HIGH COUNTRY AND SECTOR RESOLUTION. *Economic Systems Research*, **2013**, 25, 20-49	2.1	761
68	International trade drives biodiversity threats in developing nations. *Nature*, **2012**, 486, 109-12	50.4	686
67	Mapping the structure of the world economy. *Environmental Science & Technology*, **2012**, 46, 8374-81	10.3	575
66	International trade of scarce water. *Ecological Economics*, **2013**, 94, 78-85	5.6	288
65	Measuring sustainable development—Nation by nation. *Ecological Economics*, **2008**, 64, 470-474	5.6	225
64	International trade undermines national emission reduction targets: New evidence from air pollution. *Global Environmental Change*, **2014**, 24, 52-59	10.1	218
63	A research agenda for improving national Ecological Footprint accounts. *Ecological Economics*, **2009**, 68, 1991-2007	5.6	180
62	CONVERGENCE BETWEEN THE EORA, WIOD, EXIOBASE, AND OPENEU'S CONSUMPTION-BASED CARBON ACCOUNTS. *Economic Systems Research*, **2014**, 26, 245-261	2.1	172
61	Frameworks for comparing emissions associated with production, consumption, and international trade. *Environmental Science & Technology*, **2012**, 46, 172-9	10.3	160
60	National greenhouse-gas accounting for effective climate policy on international trade. *Nature Climate Change*, **2015**, 5, 431-435	21.4	154
59	The Ecological Footprint of cities and regions: comparing resource availability with resource demand. *Environment and Urbanization*, **2006**, 18, 103-112	3.7	149
58	Carbon footprints of 13 000 cities. *Environmental Research Letters*, **2018**, 13, 064041	6.2	139
57	Agricultural and forestry trade drives large share of tropical deforestation emissions. *Global Environmental Change*, **2019**, 56, 1-10	10.1	132
56	Compiling and using input-output frameworks through collaborative virtual laboratories. *Science of the Total Environment*, **2014**, 485-486, 241-251	10.2	129
55	Mapping the Carbon Footprint of Nations. *Environmental Science & Technology*, **2016**, 50, 10512-10517	10.3	102
54	Identifying species threat hotspots from global supply chains. *Nature Ecology and Evolution*, **2017**, 1, 23	12.3	100

53	Does ecologically unequal exchange occur?. *Ecological Economics*, **2013**, 89, 177-186	5.6	99
52	Decoupling or delusion? Measuring emissions displacement in foreign trade. *Global Environmental Change*, **2018**, 49, 27-34	10.1	68
51	Decoupling between human development and energy consumption within footprint accounts. *Journal of Cleaner Production*, **2018**, 202, 1145-1157	10.3	63
50	Uncertainty of Consumption-Based Carbon Accounts. *Environmental Science & Technology*, **2018**, 52, 7577-7586	10.3	54
49	Resource footprints and their ecosystem consequences. *Scientific Reports*, **2017**, 7, 40743	4.9	52
48	Trading spaces: Calculating embodied Ecological Footprints in international trade using a Product Land Use Matrix (PLUM). *Ecological Economics*, **2009**, 68, 1938-1951	5.6	50
47	Opinion: Putting all foods on the same table: Achieving sustainable food systems requires full accounting. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 18152-18156	11.5	49
46	The Global MRIO Lab – charting the world economy. *Economic Systems Research*, **2017**, 29, 158-186	2.1	48
45	Particulate matter-attributable mortality and relationships with carbon dioxide in 250 urban areas worldwide. *Scientific Reports*, **2019**, 9, 11552	4.9	48
44	How severe space weather can disrupt global supply chains. *Natural Hazards and Earth System Sciences*, **2014**, 14, 2749-2759	3.9	47
43	On the suitability of input–output analysis for calculating product-specific biodiversity footprints. *Ecological Indicators*, **2016**, 60, 192-201	5.8	45
42	Tracing global supply chains to air pollution hotspots. *Environmental Research Letters*, **2016**, 11, 094017	6.2	43
41	The inequality footprints of nations: a novel approach to quantitative accounting of income inequality. *PLoS ONE*, **2014**, 9, e110881	3.7	41
40	Quantifying the potential for consumer-oriented policy to reduce European and foreign carbon emissions. *Climate Policy*, **2020**, 20, S28-S38	5.3	41
39	Prioritizing Consumption-Based Carbon Policy Based on the Evaluation of Mitigation Potential Using Input-Output Methods. *Journal of Industrial Ecology*, **2018**, 22, 540-552	7.2	40
38	Global Supply Chains of Coltan. *Journal of Industrial Ecology*, **2015**, 19, 357-365	7.2	40
37	Trade and the role of non-food commodities for global eutrophication. *Nature Sustainability*, **2018**, 1, 314-321	22.1	39
36	Identifying critical supply chain paths and key sectors for mitigating primary carbonaceous PM2.5 mortality in Asia. *Economic Systems Research*, **2017**, 29, 105-123	2.1	38

35	FABIO-The Construction of the Food and Agriculture Biomass Input-Output Model. *Environmental Science & Technology*, **2019**, 53, 11302-11312	10.3	36
34	The structure, drivers and policy implications of the European carbon footprint. *Climate Policy*, **2020**, 20, S39-S57	5.3	30
33	The footprint of using metals: new metrics of consumption and productivity. *Environmental Economics and Policy Studies*, **2015**, 17, 369-388	2.2	27
32	INVESTIGATING ALTERNATIVE APPROACHES TO HARMONISE MULTI-REGIONAL INPUT□OUTPUT DATA. *Economic Systems Research*, **2014**, 26, 354-385	2.1	26
31	Using Ecological Footprint accounts: from analysis to applications. *International Journal of Environment and Sustainable Development*, **2004**, 3, 293	1.3	23
30	Time Matters: The Carbon Footprint of Everyday Activities in Austria. *Ecological Economics*, **2019**, 164, 106357	5.6	22
29	Beyond peak emission transfers: historical impacts of globalization and future impacts of climate policies on international emission transfers. *Climate Policy*, **2020**, 20, S14-S27	5.3	22
28	Interpretation and application of the Ecological Footprint: A reply to Fiala (2008). *Ecological Economics*, **2009**, 68, 929-930	5.6	21
27	Meat Consumption Does Not Explain Differences in Household Food Carbon Footprints in Japan. *One Earth*, **2019**, 1, 464-471	8.1	21
26	The Swedish footprint: A multi-model comparison. *Journal of Cleaner Production*, **2019**, 209, 1578-1592	10.3	18
25	Variation in trends of consumption based carbon accounts. *Scientific Data*, **2019**, 6, 99	8.2	15
24	Spatial variation in household consumption-based carbon emission inventories for 1200 Japanese cities. *Environmental Research Letters*, **2020**, 15, 114053	6.2	15
23	A novel maximum entropy approach to hybrid monetary-physical supply-chain modelling and its application to biodiversity impacts of palm oil embodied in consumption. *Environmental Research Letters*, **2018**, 13, 115002	6.2	13
22	A Note on the Magnitude of the Feedback Effect in Environmentally Extended Multi-Region Input-Output Tables. *Journal of Industrial Ecology*, **2018**, 22, 532-539	7.2	12
21	A CYCLING METHOD FOR CONSTRUCTING INPUT□OUTPUT TABLE TIME SERIES FROM INCOMPLETE DATA. *Economic Systems Research*, **2012**, 24, 413-432	2.1	12
20	A NON-SIGN-PRESERVING RAS VARIANT. *Economic Systems Research*, **2014**, 26, 197-208	2.1	11
19	Structural Change and the Environment. *Journal of Industrial Ecology*, **2012**, 16, 623-635	7.2	10
18	From Satellite to Supply Chain: New Approaches Connect Earth Observation to Economic Decisions. *One Earth*, **2020**, 3, 5-8	8.1	10

17	Quantifying Europe's biodiversity footprints and the role of urbanization and income. *Global Sustainability*, **2020**, 3,	5.4	9
16	Time to rethink trophic levels in aquaculture policy. *Reviews in Aquaculture*, **2021**, 13, 1583	8.9	9
15	Entropy-based Chinese city-level MRIO table framework. *Economic Systems Research*,1-26	2.1	8
14	Greenhouse gas emissions from global cities under SSP/RCP scenarios, 1990 to 2100. *Global Environmental Change*, **2022**, 73, 102478	10.1	7
13	TSUNAGARI: a new interdisciplinary and transdisciplinary study toward conservation and sustainable use of biodiversity and ecosystem services. *Ecological Research*, **2018**, 33, 35-49	1.9	6
12	Reply to 'Consistency of technology-adjusted consumption-based accountings'. *Nature Climate Change*, **2016**, 6, 730-730	21.4	6
11	Integrating Life Cycle and Impact Assessments to Map Food's Cumulative Environmental Footprint. *One Earth*, **2020**, 3, 65-78	8.1	6
10	Balancing and reconciling large multi-regional input–output databases using parallel optimisation and high-performance computing. *Journal of Economic Structures*, **2019**, 8,	3.2	4
9	Carbon-Footprint Accounting for the Next Phase of Globalization: Status and Opportunities. *One Earth*, **2019**, 1, 35-38	8.1	3
8	Response to Hornborg et al.. *Ecological Economics*, **2015**, 119, 419	5.6	3
7	Carbon Footprints Concentrated in Few Global Cities. *SSRN Electronic Journal*, **2017**,	1	3
6	How severe Space Weather can disrupt global supply chains		3
5	CO embodied in trade: trends and fossil fuel drivers. *Environmental Science and Pollution Research*, **2021**, 28, 27712-27730	5.1	3
4	Ageing society in developed countries challenges carbon mitigation. *Nature Climate Change*, **2022**, 12, 241-248	21.4	3
3	Estimating CO₂ emissions for 108 000 European cities. *Earth System Science Data*, **2022**, 14, 845-864	10.5	1
2	Do Amphibians and Cash Crops Compete for Scarce Water? A Spatial Correlation Analysis. *Sustainability*, **2019**, 11, 1822	3.6	
1	The Eora MRIO. *Journal of Life Cycle Assessment Japan*, **2013**, 9, 97-100	0.1	