

Richard Wood

List of Publications by Citations

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117
papers

6,287
citations

44
h-index

77
g-index

121
ext. papers

7,687
ext. citations

6.7
avg, IF

6.41
L-index

#	Paper	IF	Citations
117	INPUT-OUTPUT ANALYSIS AND CARBON FOOTPRINTING: AN OVERVIEW OF APPLICATIONS. <i>Economic Systems Research</i> , 2009 , 21, 187-216	2.1	355
116	Environmental Impact Assessment of Household Consumption. <i>Journal of Industrial Ecology</i> , 2016 , 20, 526-536	7.2	295
115	EXIOBASE 3: Developing a Time Series of Detailed Environmentally Extended Multi-Regional Input-Output Tables. <i>Journal of Industrial Ecology</i> , 2018 , 22, 502-515	7.2	279
114	Global Sustainability Accounting-Developing EXIOBASE for Multi-Regional Footprint Analysis. <i>Sustainability</i> , 2015 , 7, 138-163	3.6	271
113	EXIOPOL DEVELOPMENT AND ILLUSTRATIVE ANALYSES OF A DETAILED GLOBAL MR EE SUT/IOT. <i>Economic Systems Research</i> , 2013 , 25, 50-70	2.1	266
112	A CARBON FOOTPRINT TIME SERIES OF THE UK RESULTS FROM A MULTI-REGION INPUT-OUTPUT MODEL. <i>Economic Systems Research</i> , 2010 , 22, 19-42	2.1	213
111	UNCERTAINTY ANALYSIS FOR MULTI-REGION INPUT-OUTPUT MODELS A CASE STUDY OF THE UK'S CARBON FOOTPRINT. <i>Economic Systems Research</i> , 2010 , 22, 43-63	2.1	199
110	CONVERGENCE BETWEEN THE EORA, WIOD, EXIOBASE, AND OPENEU'S CONSUMPTION-BASED CARBON ACCOUNTS. <i>Economic Systems Research</i> , 2014 , 26, 245-261	2.1	172
109	Solid Waste and the Circular Economy: A Global Analysis of Waste Treatment and Waste Footprints. <i>Journal of Industrial Ecology</i> , 2017 , 21, 628-640	7.2	145
108	A comparative study of some environmental impacts of conventional and organic farming in Australia. <i>Agricultural Systems</i> , 2006 , 89, 324-348	6.1	139
107	Carbon footprints of 13 000 cities. <i>Environmental Research Letters</i> , 2018 , 13, 064041	6.2	139
106	Environmental and resource footprints in a global context: Europe's structural deficit in resource endowments. <i>Global Environmental Change</i> , 2016 , 40, 171-181	10.1	136
105	Increasing impacts of land use on biodiversity and carbon sequestration driven by population and economic growth. <i>Nature Ecology and Evolution</i> , 2019 , 3, 628-637	12.3	132
104	Agricultural and forestry trade drives large share of tropical deforestation emissions. <i>Global Environmental Change</i> , 2019 , 56, 1-10	10.1	132
103	Mapping the carbon footprint of EU regions. <i>Environmental Research Letters</i> , 2017 , 12, 054013	6.2	128
102	Structural decomposition of energy use in Brazil from 1970 to 1996. <i>Applied Energy</i> , 2009 , 86, 578-587	10.7	126
101	Structural decomposition analysis of Australia's greenhouse gas emissions. <i>Energy Policy</i> , 2009 , 37, 4943-4948	11.9	119

100	Growth in Environmental Footprints and Environmental Impacts Embodied in Trade: Resource Efficiency Indicators from EXIOBASE3. <i>Journal of Industrial Ecology</i> , 2018 , 22, 553-564	7.2	107
99	Structural path decomposition. <i>Energy Economics</i> , 2009 , 31, 335-341	8.3	94
98	MATRIX BALANCING UNDER CONFLICTING INFORMATION. <i>Economic Systems Research</i> , 2009 , 21, 23-44	2.1	91
97	The Carbon Footprint of Norwegian Household Consumption 1999-2012. <i>Journal of Industrial Ecology</i> , 2016 , 20, 582-592	7.2	84
96	A Methodology for Integrated, Multi-regional Life Cycle Assessment Scenarios under Large-Scale Technological Change. <i>Environmental Science & Technology</i> , 2015 , 49, 11218-26	10.3	79
95	Effect of aggregation and disaggregation on embodied material use of products in input-output analysis. <i>Ecological Economics</i> , 2015 , 116, 289-299	5.6	77
94	Zero-value problems of the logarithmic mean division index decomposition method. <i>Energy Policy</i> , 2006 , 34, 1326-1331	7.2	77
93	The Bad Labor Footprint: Quantifying the Social Impacts of Globalization. <i>Sustainability</i> , 2014 , 6, 7514-7540	5.4	75
92	Labor Embodied in Trade. <i>Journal of Industrial Ecology</i> , 2015 , 19, 343-356	7.2	64
91	HARMONISING NATIONAL INPUT-OUTPUT TABLES FOR CONSUMPTION-BASED ACCOUNTING - EXPERIENCES FROM EXIOPOL. <i>Economic Systems Research</i> , 2014 , 26, 387-409	2.1	61
90	The Environmental Impact of Green Consumption and Sufficiency Lifestyles Scenarios in Europe: Connecting Local Sustainability Visions to Global Consequences. <i>Ecological Economics</i> , 2019 , 164, 106322	5.6	60
89	Explaining value chain differences in MRIO databases through structural path decomposition. <i>Economic Systems Research</i> , 2016 , 28, 243-272	2.1	59
88	Estimating raw material equivalents on a macro-level: comparison of multi-regional input-output analysis and hybrid LCI-IO. <i>Environmental Science & Technology</i> , 2013 , 47, 14282-9	10.3	57
87	An Application of a Modified Ecological Footprint Method and Structural Path Analysis in a Comparative Institutional Study. <i>Local Environment</i> , 2003 , 8, 365-386	3.3	56
86	AUSTRALIA'S CARBON FOOTPRINT. <i>Economic Systems Research</i> , 2009 , 21, 243-266	2.1	55
85	Uncertainty of Consumption-Based Carbon Accounts. <i>Environmental Science & Technology</i> , 2018 , 52, 7577-7586	10.3	54
84	Some Comments on the GRAS Method. <i>Economic Systems Research</i> , 2007 , 19, 461-465	2.1	54
83	Environmental Impacts of Capital Formation. <i>Journal of Industrial Ecology</i> , 2018 , 22, 55-67	7.2	53

82	Resource footprints and their ecosystem consequences. <i>Scientific Reports</i> , 2017 , 7, 40743	4.9	52
81	A Material History of Australia. <i>Journal of Industrial Ecology</i> , 2009 , 13, 847-862	7.2	52
80	Economic modelling and indicators in life cycle sustainability assessment. <i>International Journal of Life Cycle Assessment</i> , 2013 , 18, 1710-1721	4.6	51
79	The growing importance of scope 3 greenhouse gas emissions from industry. <i>Environmental Research Letters</i> , 2018 , 13, 104013	6.2	50
78	The Global MRIO Lab Charting the world economy. <i>Economic Systems Research</i> , 2017 , 29, 158-186	2.1	48
77	Towards Robust, Authoritative Assessments of Environmental Impacts Embodied in Trade: Current State and Recommendations. <i>Journal of Industrial Ecology</i> , 2018 , 22, 585-598	7.2	46
76	Carbon mitigation in domains of high consumer lock-in. <i>Global Environmental Change</i> , 2018 , 52, 117-130	10.1	46
75	Endogenizing Capital in MRIO Models: The Implications for Consumption-Based Accounting. <i>Environmental Science & Technology</i> , 2018 , 52, 13250-13259	10.3	46
74	Unified Theory of Allocations and Constructs in Life Cycle Assessment and Input-Output Analysis. <i>Journal of Industrial Ecology</i> , 2014 , 18, 747-770	7.2	44
73	Quantifying the potential for consumer-oriented policy to reduce European and foreign carbon emissions. <i>Climate Policy</i> , 2020 , 20, S28-S38	5.3	41
72	Dynamic Models of Fixed Capital Stocks and Their Application in Industrial Ecology. <i>Journal of Industrial Ecology</i> , 2015 , 19, 104-116	7.2	40
71	Prioritizing Consumption-Based Carbon Policy Based on the Evaluation of Mitigation Potential Using Input-Output Methods. <i>Journal of Industrial Ecology</i> , 2018 , 22, 540-552	7.2	40
70	Climate change mitigation potential of Norwegian households and the rebound effect. <i>Journal of Cleaner Production</i> , 2018 , 172, 208-217	10.3	40
69	The unequal distribution of household carbon footprints in Europe and its link to sustainability. <i>Global Sustainability</i> , 2020 , 3,	5.4	40
68	High sensitivity of metal footprint to national GDP in part explained by capital formation. <i>Nature Geoscience</i> , 2018 , 11, 269-273	18.3	39
67	Trade and the role of non-food commodities for global eutrophication. <i>Nature Sustainability</i> , 2018 , 1, 314-321	22.1	39
66	Identifying priority areas for European resource policies: a MRIO-based material footprint assessment. <i>Journal of Economic Structures</i> , 2016 , 5,	3.2	38
65	THE BEST OF THE WORLD ESTIMATING THE ECONOMIC STRUCTURE OF MISSING REGIONS IN GLOBAL MULTI-REGIONAL INPUT-OUTPUT TABLES. <i>Economic Systems Research</i> , 2014 , 26, 303-326	2.1	37

64	FABIO-The Construction of the Food and Agriculture Biomass Input-Output Model. <i>Environmental Science & Technology</i> , 2019 , 53, 11302-11312	10.3	36
63	Price corrected domestic technology assumption--a method to assess pollution embodied in trade using primary official statistics only. With a case on CO2 emissions embodied in imports to Europe. <i>Environmental Science & Technology</i> , 2013 , 47, 1775-83	10.3	34
62	Development of a methodological framework for social life-cycle assessment of novel technologies. <i>International Journal of Life Cycle Assessment</i> , 2017 , 22, 423-440	4.6	34
61	Correlation between production and consumption-based environmental indicators: The link to affluence and the effect on ranking environmental performance of countries. <i>Ecological Indicators</i> , 2017 , 76, 317-323	5.8	31
60	CONSTRUCTION, STABILITY AND PREDICTABILITY OF AN INPUT-OUTPUT TIME-SERIES FOR AUSTRALIA. <i>Economic Systems Research</i> , 2011 , 23, 175-211	2.1	30
59	Choice of Allocations and Constructs for Attributional or Consequential Life Cycle Assessment and Input-Output Analysis. <i>Journal of Industrial Ecology</i> , 2018 , 22, 656-670	7.2	30
58	Connecting global emissions to fundamental human needs and their satisfaction. <i>Environmental Research Letters</i> , 2019 , 14, 014002	6.2	30
57	The structure, drivers and policy implications of the European carbon footprint. <i>Climate Policy</i> , 2020 , 20, S39-S57	5.3	30
56	Global Circular Economy Scenario in a Multiregional Input-Output Framework. <i>Environmental Science & Technology</i> , 2019 , 53, 6362-6373	10.3	29
55	Implementing exogenous scenarios in a global MRIO model for the estimation of future environmental footprints. <i>Journal of Economic Structures</i> , 2018 , 7,	3.2	29
54	Recent Progress in Assessment of Resource Efficiency and Environmental Impacts Embodied in Trade: An Introduction to this Special Issue. <i>Journal of Industrial Ecology</i> , 2018 , 22, 489-501	7.2	28
53	Structural production layer decomposition: a new method to measure differences between MRIO databases for footprint assessments. <i>Economic Systems Research</i> , 2018 , 30, 61-84	2.1	28
52	INVESTIGATING ALTERNATIVE APPROACHES TO HARMONISE MULTI-REGIONAL INPUT-OUTPUT DATA. <i>Economic Systems Research</i> , 2014 , 26, 354-385	2.1	26
51	Happier with less? Members of European environmental grassroots initiatives reconcile lower carbon footprints with higher life satisfaction and income increases. <i>Energy Research and Social Science</i> , 2020 , 60, 101329	7.7	26
50	A multi-impact analysis of changing ICT consumption patterns for Sweden and the EU: Indirect rebound effects and evidence of decoupling. <i>Journal of Cleaner Production</i> , 2019 , 211, 1154-1161	10.3	25
49	The capital load of global material footprints. <i>Resources, Conservation and Recycling</i> , 2020 , 158, 104811	11.9	23
48	Beyond peak emission transfers: historical impacts of globalization and future impacts of climate policies on international emission transfers. <i>Climate Policy</i> , 2020 , 20, S14-S27	5.3	22
47	The socio-economic impacts of introducing circular economy into Mediterranean rice production. <i>Journal of Cleaner Production</i> , 2019 , 218, 273-283	10.3	21

46	Aggregate Measures of Complex Economic Structure and Evolution. <i>Journal of Industrial Ecology</i> , 2009 , 13, 264-283	7.2	20
45	Regional sustainability in Northern Australia – A quantitative assessment of social, economic and environmental impacts. <i>Ecological Economics</i> , 2010 , 69, 1877-1882	5.6	20
44	An assessment of environmental sustainability in Northern Australia using the ecological footprint and with reference to Indigenous populations and remoteness. <i>Ecological Economics</i> , 2009 , 68, 1375-1384	5.6	19
43	Improving Climate Change Mitigation Analysis: A Framework for Examining Feasibility. <i>One Earth</i> , 2020 , 3, 325-336	8.1	19
42	Understanding GHG emissions from Swedish consumption - Current challenges in reaching the generational goal. <i>Journal of Cleaner Production</i> , 2019 , 212, 428-437	10.3	19
41	When Do Allocations and Constructs Respect Material, Energy, Financial, and Production Balances in LCA and EEIO?. <i>Journal of Industrial Ecology</i> , 2016 , 20, 67-84	7.2	18
40	The Swedish footprint: A multi-model comparison. <i>Journal of Cleaner Production</i> , 2019 , 209, 1578-1592	10.3	18
39	Headline Environmental Indicators Revisited with the Global Multi-Regional Input-Output Database EXIOBASE. <i>Journal of Industrial Ecology</i> , 2018 , 22, 565-573	7.2	17
38	Balance issues in input-output analysis: A comment on physical inhomogeneity, aggregation bias, and coproduction. <i>Ecological Economics</i> , 2016 , 126, 188-197	5.6	17
37	Beyond the borders – Burdens of Swedish food consumption due to agrochemicals, greenhouse gases and land-use change. <i>Journal of Cleaner Production</i> , 2019 , 214, 644-652	10.3	17
36	Environmental pressures from Swedish consumption – A hybrid multi-regional input-output approach. <i>Journal of Cleaner Production</i> , 2019 , 228, 634-644	10.3	16
35	Socio-economic impacts of low-carbon power generation portfolios: Strategies with and without CCS for the Netherlands. <i>Applied Energy</i> , 2016 , 183, 257-277	10.7	16
34	Environmental Footprints of Agriculture Embodied in International Trade: Sensitivity of Harvested Area Footprint of Chinese Exports. <i>Ecological Economics</i> , 2018 , 145, 323-330	5.6	16
33	Variation in trends of consumption based carbon accounts. <i>Scientific Data</i> , 2019 , 6, 99	8.2	15
32	Global transport emissions in the Swedish carbon footprint. <i>Journal of Cleaner Production</i> , 2019 , 226, 210-220	10.3	15
31	Direct versus Embodied Energy – The Need for Urban Lifestyle Transitions 2008 , 91-120		15
30	A network approach for assembling and linking input-output models. <i>Economic Systems Research</i> , 2016 , 28, 518-538	2.1	15
29	Does climate action destroy jobs? An assessment of the employment implications of the 2-degree goal. <i>International Labour Review</i> , 2018 , 157, 519-556	1	14

28	Explaining decoupling in high income countries: A structural decomposition analysis of the change in energy footprint from 1970 to 2009. <i>Energy</i> , 2020 , 194, 116909	7.9	13
27	A novel maximum entropy approach to hybrid monetary-physical supply-chain modelling and its application to biodiversity impacts of palm oil embodied in consumption. <i>Environmental Research Letters</i> , 2018 , 13, 115002	6.2	13
26	Socio-economic impacts of future electricity generation scenarios in Europe: Potential costs and benefits of using CO ₂ Capture and Storage (CCS). <i>International Journal of Greenhouse Gas Control</i> , 2015 , 42, 471-484	4.2	12
25	A Note on the Magnitude of the Feedback Effect in Environmentally Extended Multi-Region Input-Output Tables. <i>Journal of Industrial Ecology</i> , 2018 , 22, 532-539	7.2	12
24	Adding country resolution to EXIOBASE: impacts on land use embodied in trade. <i>Journal of Economic Structures</i> , 2020 , 9, 14	3.2	12
23	Indicators for national consumption-based accounting of chemicals. <i>Journal of Cleaner Production</i> , 2019 , 215, 1-12	10.3	11
22	Quantifying Europe's biodiversity footprints and the role of urbanization and income. <i>Global Sustainability</i> , 2020 , 3,	5.4	9
21	Hybridization of complete PLCA and MRIO databases for a comprehensive product system coverage. <i>Journal of Industrial Ecology</i> , 2020 , 24, 774-790	7.2	9
20	Consequences of long-term infrastructure decisions: The case of self-healing roads and their CO ₂ emissions. <i>Environmental Research Letters</i> , 2019 , 14, 114040	6.2	9
19	Towards accepted procedures for calculating international consumption-based carbon accounts. <i>Climate Policy</i> , 2020 , 20, S90-S106	5.3	8
18	Coupling Input-Output Tables with Macro-Life Cycle Assessment to Assess Worldwide Impacts of Biofuels Transport Policies. <i>Journal of Industrial Ecology</i> , 2018 , 22, 643-655	7.2	8
17	Durable Goods Drive Two-Thirds of Global Households' Final Energy Footprints. <i>Environmental Science & Technology</i> , 2021 , 55, 3175-3187	10.3	7
16	The Virtual IELab: An exercise in replicating part of the EXIOBASE V.2 production pipeline in a virtual laboratory. <i>Economic Systems Research</i> , 2017 , 29, 209-233	2.1	5
15	Environmental pressure from Swedish consumption: The largest contributing producer countries, products and services. <i>Journal of Cleaner Production</i> , 2019 , 231, 698-713	10.3	4
14	Future changes in consumption: The income effect on greenhouse gas emissions. <i>Energy Economics</i> , 2021 , 95, 105114	8.3	4
13	Understanding the trends in Denmark's global food trade-related greenhouse gas and resource footprint. <i>Journal of Cleaner Production</i> , 2021 , 313, 127785	10.3	4
12	Carbon Footprints Concentrated in Few Global Cities. <i>SSRN Electronic Journal</i> , 2017 ,	1	3
11	Environmental footprints175-222		3

10	Trends in national biodiversity footprints of land use. <i>Ecological Economics</i> , 2021 , 185, 107059	5.6	3
9	Improving consumption based accounting for global capture fisheries. <i>Journal of Cleaner Production</i> , 2019 , 212, 1396-1408	10.3	3
8	Ageing society in developed countries challenges carbon mitigation. <i>Nature Climate Change</i> , 2022 , 12, 241-248	21.4	3
7	Building national emission inventories for the energy sector: Implications for life cycle assessment and nations environmental footprinting. <i>Science of the Total Environment</i> , 2020 , 708, 135119	10.2	2
6	On the financial balance of input-output constructs: revisiting an axiomatic evaluation. <i>Economic Systems Research</i> , 2016 , 28, 333-343	2.1	1
5	Sustainability Assessment of the Large Implementation of Carbon Capture and Storage in OECD Europe. <i>Energy Procedia</i> , 2014 , 63, 7421-7428	2.3	1
4	¿La acción climática destruye empleos? Efectos del objetivo de los 2 °C del Acuerdo de París en el empleo. <i>International Labour Review</i> , 2018 , 137, 567-607	0.1	1
3	L'action pour le climat, une action contre l'emploi? Évaluation des conséquences du scénario 2 °C sur l'emploi. <i>International Labour Review</i> , 2018 , 157, 573-613	0.1	1
2	Principal Methodological Approaches to Studying Sustainable Consumption: Scenario Analysis, Ecological Footprints and Structural Decomposition Analysis. <i>Eco-efficiency in Industry and Science</i> , 2009 , 285-312		1
1	Reply to: Soils need to be considered when assessing the impacts of land-use change on carbon sequestration. <i>Nature Ecology and Evolution</i> , 2019 , 3, 1643-1644	12.3	