

Edgar G Hertwich

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

183 papers	12,192 citations	57 h-index	105 g-index
205 ext. papers	14,298 ext. citations	8.3 avg, IF	7.16 L-index

#	Paper	IF	Citations
183	Analysis of the Li-ion battery industry in light of the global transition to electric passenger light duty vehicles until 2050. <i>Environmental Research: Infrastructure and Sustainability</i> , 2022 , 2, 011002		1
182	Ageing society in developed countries challenges carbon mitigation. <i>Nature Climate Change</i> , 2022 , 12, 241-248	21.4	3
181	Pricing indirect emissions accelerates low-carbon transition of US light vehicle sector. <i>Nature Communications</i> , 2021 , 12, 7121	17.4	4
180	Factors influencing the life-cycle GHG emissions of Brazilian office buildings. <i>Buildings and Cities</i> , 2021 , 2, 856-873	3.3	
179	Energy system decarbonization and productivity gains reduced the coupling of CO2 emissions and economic growth in 73 countries between 1970 and 2016. <i>One Earth</i> , 2021 ,	8.1	5
178	A comprehensive set of global scenarios of housing, mobility, and material efficiency for material cycles and energy systems modeling. <i>Journal of Industrial Ecology</i> , 2021 , 25, 305-320	7.2	7
177	Copper Recycling Flow Model for the United States Economy: Impact of Scrap Quality on Potential Energy Benefit. <i>Environmental Science & Technology</i> , 2021 , 55, 5485-5495	10.3	8
176	Drivers of change in US residential energy consumption and greenhouse gas emissions, 1990-2015. <i>Environmental Research Letters</i> , 2021 , 16, 034045	6.2	6
175	Linking the Environmental Pressures of China's Capital Development to Global Final Consumption of the Past Decades and into the Future. <i>Environmental Science & Technology</i> , 2021 , 55, 6421-6429	10.3	6
174	Individualism and nationally determined contributions to climate change. <i>Science of the Total Environment</i> , 2021 , 777, 146076	10.2	1
173	Linking service provision to material cycles: A new framework for studying the resource efficiency-climate change (RECC) nexus. <i>Journal of Industrial Ecology</i> , 2021 , 25, 260-273	7.2	11
172	Potential Climate Impact Variations Due to Fueling Behavior of Plug-in Hybrid Vehicle Owners in the US. <i>Environmental Science & Technology</i> , 2021 , 55, 65-72	10.3	2
171	Material efficiency and climate change mitigation of passenger vehicles. <i>Journal of Industrial Ecology</i> , 2021 , 25, 494-510	7.2	11
170	Correction: Material flows and GHG emissions from housing stock evolution in US counties, 2020-2050. <i>Buildings and Cities</i> , 2021 , 2, 797-799	3.3	
169	Material flows and GHG emissions from housing stock evolution in US counties, 2020-2050. <i>Buildings and Cities</i> , 2021 , 2, 599-617	3.3	3
168	Linking Housing Policy, Housing Typology, and Residential Energy Demand in the United States. <i>Environmental Science & Technology</i> , 2021 , 55, 2224-2233	10.3	5
167	Increased carbon footprint of materials production driven by rise in investments. <i>Nature Geoscience</i> , 2021 , 14, 151-155	18.3	27

166	Consideration of culture is vital if we are to achieve the Sustainable Development Goals. <i>One Earth</i> , 2021 , 4, 307-319	8.1	17
165	Global scenarios of resource and emission savings from material efficiency in residential buildings and cars. <i>Nature Communications</i> , 2021 , 12, 5097	17.4	22
164	Carbon fueling complex global value chains tripled in the period 1995–2012. <i>Energy Economics</i> , 2020 , 86, 104651	8.3	8
163	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
162	Capital in the American carbon, energy, and material footprint. <i>Journal of Industrial Ecology</i> , 2020 , 24, 589-600	7.2	17
161	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
160	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
159	Method for endogenizing capital in the United States Environmentally-Extended Input-Output model. <i>Journal of Industrial Ecology</i> , 2019 , 23, 1410-1424	7.2	12
158	Assessing electric vehicle policy with region-specific carbon footprints. <i>Applied Energy</i> , 2019 , 256, 113923	10.7	44
157	Water scarcity risks mitigated or aggravated by the inter-regional electricity transmission across China. <i>Applied Energy</i> , 2019 , 238, 413-422	10.7	23
156	Tracing the Uncertain Chinese Mercury Footprint within the Global Supply Chain Using a Stochastic, Nested Input-Output Model. <i>Environmental Science & Technology</i> , 2019 , 53, 6814-6823	10.3	9
155	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
154	The flow of embodied carbon through the economies of China, the European Union, and the United States. <i>Resources, Conservation and Recycling</i> , 2019 , 145, 190-198	11.9	26
153	Material efficiency strategies to reducing greenhouse gas emissions associated with buildings, vehicles, and electronics—review. <i>Environmental Research Letters</i> , 2019 , 14, 043004	6.2	115
152	Interactive Visualization and Industrial Ecology: Applications, Challenges, and Opportunities. <i>Journal of Industrial Ecology</i> , 2019 , 23, 520-531	7.2	6
151	Representing vehicle-technological opportunities in integrated energy modeling. <i>Transportation Research, Part D: Transport and Environment</i> , 2019 , 73, 76-86	6.4	10
150	Environmental co-benefits and adverse side-effects of alternative power sector decarbonization strategies. <i>Nature Communications</i> , 2019 , 10, 5229	17.4	97
149	Connecting global emissions to fundamental human needs and their satisfaction. <i>Environmental Research Letters</i> , 2019 , 14, 014002	6.2	30

148	Unraveling the Nexus: Exploring the Pathways to Combined Resource Use. <i>Journal of Industrial Ecology</i> , 2019 , 23, 241-252	7.2	9
147	Nullius in Verba1: Advancing Data Transparency in Industrial Ecology. <i>Journal of Industrial Ecology</i> , 2018 , 22, 6-17	7.2	26
146	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
145	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
144	Environmental Impacts of Capital Formation. <i>Journal of Industrial Ecology</i> , 2018 , 22, 55-67	7.2	53
143	Deriving life cycle assessment coefficients for application in integrated assessment modelling. <i>Environmental Modelling and Software</i> , 2018 , 99, 111-125	5.2	43
142	Carbon mitigation in domains of high consumer lock-in. <i>Global Environmental Change</i> , 2018 , 52, 117-130	10.1	46
141	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
140	Nexus Strength: A Novel Metric for Assessing the Global Resource Nexus. <i>Journal of Industrial Ecology</i> , 2018 , 22, 1473-1486	7.2	22
139	Building Material Use and Associated Environmental Impacts in China 2000-2015. <i>Environmental Science & Technology</i> , 2018 , 52, 14006-14014	10.3	32
138	The growing importance of scope 3 greenhouse gas emissions from industry. <i>Environmental Research Letters</i> , 2018 , 13, 104013	6.2	50
137	Endogenizing Capital in MRIO Models: The Implications for Consumption-Based Accounting. <i>Environmental Science & Technology</i> , 2018 , 52, 13250-13259	10.3	46
136	Ground truthing the environmental benefits of a polygeneration system: When to combine heat and power?. <i>Energy and Buildings</i> , 2018 , 173, 221-238	7	6
135	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
134	Health benefits, ecological threats of low-carbon electricity. <i>Environmental Research Letters</i> , 2017 , 12, 034023	6.2	33
133	A technology-based analysis of the water-energy-emission nexus of China's steel industry. <i>Resources, Conservation and Recycling</i> , 2017 , 124, 116-128	11.9	48
132	Mapping the carbon footprint of EU regions. <i>Environmental Research Letters</i> , 2017 , 12, 054013	6.2	128
131	Life cycle assessment demonstrates environmental co-benefits and trade-offs of low-carbon electricity supply options. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 76, 1283-1290	16.2	50

130	Industrial ecology in integrated assessment models. <i>Nature Climate Change</i> , 2017 , 7, 13-20	21.4	113
129	Scarcity-weighted global land and metal footprints. <i>Ecological Indicators</i> , 2017 , 83, 323-327	5.8	27
128	Freshwater Vulnerability beyond Local Water Stress: Heterogeneous Effects of Water-Electricity Nexus Across the Continental United States. <i>Environmental Science & Technology</i> , 2017 , 51, 9899-9910	10.3	30
127	Understanding future emissions from low-carbon power systems by integration of life-cycle assessment and integrated energy modelling. <i>Nature Energy</i> , 2017 , 2, 939-945	62.3	178
126	Hybrid life cycle assessment of a geothermal plant: From physical to monetary inventory accounting. <i>Journal of Cleaner Production</i> , 2017 , 142, 2509-2523	10.3	15
125	Life-cycle environmental and natural resource implications of energy efficiency technologies 2017 , 263-270		1
124	(Virtual) Water Flows Uphill toward Money. <i>Environmental Science & Technology</i> , 2016 , 50, 12320-12330	10.3	27
123	The Carbon Footprint of Norwegian Household Consumption 1999-2012. <i>Journal of Industrial Ecology</i> , 2016 , 20, 582-592	7.2	84
122	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
121	Towards a meaningful assessment of marine ecological impacts in life cycle assessment (LCA). <i>Environment International</i> , 2016 , 89-90, 48-61	12.9	60
120	Environmental impacts of balancing offshore wind power with compressed air energy storage (CAES). <i>Energy</i> , 2016 , 95, 91-98	7.9	52
119	Prospective Models of Society's Future Metabolism: What Industrial Ecology Has to Contribute 2016 , 21-43		13
118	Environmental impacts of high penetration renewable energy scenarios for Europe. <i>Environmental Research Letters</i> , 2016 , 11, 014012	6.2	61
117	Toward a Practical Ontology for Socioeconomic Metabolism. <i>Journal of Industrial Ecology</i> , 2016 , 20, 1260-1272	7.1	14
116	Environmental Impact Assessment of Household Consumption. <i>Journal of Industrial Ecology</i> , 2016 , 20, 526-536	7.2	295
115	Accounting for value added embodied in trade and consumption: an intercomparison of global multiregional input-output databases. <i>Economic Systems Research</i> , 2016 , 28, 78-94	2.1	32
114	Mapping the Carbon Footprint of Nations. <i>Environmental Science & Technology</i> , 2016 , 50, 10512-10517	10.3	102
113	Low carbon lifestyles: A framework to structure consumption strategies and options to reduce carbon footprints. <i>Journal of Cleaner Production</i> , 2016 , 139, 1033-1043	10.3	59

112	Material use for electricity generation with carbon dioxide capture and storage: Extending life cycle analysis indices for material accounting. <i>Resources, Conservation and Recycling</i> , 2015 , 100, 49-57	11.9	14
111	Integrating Global Climate Change Mitigation Goals with Other Sustainability Objectives: A Synthesis. <i>Annual Review of Environment and Resources</i> , 2015 , 40, 363-394	17.2	71
110	Life cycle assessment of transport of electricity via different voltage levels: A case study for Nord-Trøndelag county in Norway. <i>Applied Energy</i> , 2015 , 157, 144-151	10.7	21
109	A Methodology for Integrated, Multiregional Life Cycle Assessment Scenarios under Large-Scale Technological Change. <i>Environmental Science & Technology</i> , 2015 , 49, 11218-26	10.3	79
108	Socioeconomic metabolism as paradigm for studying the biophysical basis of human societies. <i>Ecological Economics</i> , 2015 , 119, 83-93	5.6	51
107	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
106	Multiregional environmental comparison of fossil fuel power generation—Assessment of the contribution of fugitive emissions from conventional and unconventional fossil resources. <i>International Journal of Greenhouse Gas Control</i> , 2015 , 33, 1-9	4.2	20
105	More caution is needed when using life cycle assessment to determine energy return on investment (EROI). <i>Energy Policy</i> , 2015 , 76, 1-6	7.2	45
104	Labor Embodied in Trade. <i>Journal of Industrial Ecology</i> , 2015 , 19, 343-356	7.2	64
103	Global warming footprint of the electrochemical reduction of carbon dioxide to formate. <i>Journal of Cleaner Production</i> , 2015 , 104, 148-155	10.3	70
102	Integrated life-cycle assessment of electricity-supply scenarios confirms global environmental benefit of low-carbon technologies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 6277-82	11.5	358
101	A Global Environmental Assessment of Electricity Generation Technologies with Low Greenhouse Gas Emissions. <i>Procedia CIRP</i> , 2014 , 15, 3-7	1.8	3
100	Grid infrastructure for renewable power in Europe: The environmental cost. <i>Energy</i> , 2014 , 69, 760-768	7.9	28
99	The Bad Labor Footprint: Quantifying the Social Impacts of Globalization. <i>Sustainability</i> , 2014 , 6, 7514-7540	5.40	75
98	EFFECTS OF SECTOR AGGREGATION ON CO2 MULTIPLIERS IN MULTIREGIONAL INPUT-OUTPUT ANALYSES. <i>Economic Systems Research</i> , 2014 , 26, 284-302	2.1	107
97	Environmental Due Diligence of CO2 Capture and Utilization Technologies—Framework and application. <i>Energy Procedia</i> , 2014 , 63, 7429-7436	2.3	5
96	Understanding the Climate Mitigation Benefits of Product Systems: Comment on Using Attributional Life Cycle Assessment to Estimate Climate-Change Mitigation— <i>Journal of Industrial Ecology</i> , 2014 , 18, 464-465	7.2	36
95	HARMONISING NATIONAL INPUT-OUTPUT TABLES FOR CONSUMPTION-BASED ACCOUNTING—EXPERIENCES FROM EXIOPOL. <i>Economic Systems Research</i> , 2014 , 26, 387-409	2.1	61

94	Ecological footprint of nations: Comparison of process analysis, and standard and hybrid multiregional input-output analysis. <i>Ecological Economics</i> , 2014 , 101, 115-126	5.6	94
93	Climate policy through changing consumption choices: Options and obstacles for reducing greenhouse gas emissions. <i>Global Environmental Change</i> , 2014 , 25, 5-15	10.1	112
92	Economic modelling and indicators in life cycle sustainability assessment. <i>International Journal of Life Cycle Assessment</i> , 2013 , 18, 1710-1721	4.6	51
91	Adoption and diffusion of heating systems in Norway: Coupling agent-based modeling with empirical research. <i>Environmental Innovation and Societal Transitions</i> , 2013 , 8, 42-61	7.6	60
90	Investigating the Carbon Footprint of a University - The case of NTNU. <i>Journal of Cleaner Production</i> , 2013 , 48, 39-47	10.3	104
89	Affluence drives the global displacement of land use. <i>Global Environmental Change</i> , 2013 , 23, 433-438	10.1	402
88	Assessment of Low Carbon Energy Technologies: Fossil Fuels and CCS. <i>Energy Procedia</i> , 2013 , 37, 2637-2644	5.4	1
87	Biogenic CO ₂ fluxes from bioenergy and climate response. <i>Ecological Modelling</i> , 2013 , 253, 79-81	3	6
86	Environmental evaluation of power transmission in Norway. <i>Applied Energy</i> , 2013 , 101, 513-520	10.7	30
85	The importance of ships and spare parts in LCAs of offshore wind power. <i>Environmental Science & Technology</i> , 2013 , 47, 2948-56	10.3	35
84	Addressing biogenic greenhouse gas emissions from hydropower in LCA. <i>Environmental Science & Technology</i> , 2013 , 47, 9604-11	10.3	111
83	Global climate targets and future consumption level: an evaluation of the required GHG intensity. <i>Environmental Research Letters</i> , 2013 , 8, 014016	6.2	24
82	Environmental Damage Assessment of Carbon Capture and Storage. <i>Journal of Industrial Ecology</i> , 2012 , 16, 407-419	7.2	14
81	Life cycle assessment of electricity transmission and distribution—Part 1: power lines and cables. <i>International Journal of Life Cycle Assessment</i> , 2012 , 17, 9-15	4.6	32
80	Life cycle assessment of electricity transmission and distribution—Part 2: transformers and substation equipment. <i>International Journal of Life Cycle Assessment</i> , 2012 , 17, 184-191	4.6	31
79	Average Damage Functions Are Not Emission-Rated Distance to Targets. <i>Environmental Science & Technology</i> , 2012 , 46, 569-569	10.3	1
78	Carbon, land, and water footprint accounts for the European Union: consumption, production, and displacements through international trade. <i>Environmental Science & Technology</i> , 2012 , 46, 10883-91	10.3	298
77	Scenarios for the environmental impact of fossil fuel power: Co-benefits and trade-offs of carbon capture and storage. <i>Energy</i> , 2012 , 45, 762-770	7.9	21

76	Assessing the life cycle environmental impacts of wind power: A review of present knowledge and research needs. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 5994-6006	16.2	122
75	Life cycle assessment of a single-family residence built to either conventional- or passive house standard. <i>Energy and Buildings</i> , 2012 , 54, 470-479	7	102
74	Comparative life cycle environmental assessment of CCS technologies. <i>International Journal of Greenhouse Gas Control</i> , 2011 , 5, 911-921	4.2	137
73	Environmental implications of large-scale adoption of wind power: a scenario-based life cycle assessment. <i>Environmental Research Letters</i> , 2011 , 6, 045102	6.2	44
72	Evaluation of process- and input-output-based life cycle inventory data with regard to truncation and aggregation issues. <i>Environmental Science & Technology</i> , 2011 , 45, 10170-7	10.3	192
71	Do we need a paradigm shift in life cycle impact assessment?. <i>Environmental Science & Technology</i> , 2011 , 45, 3833-4	10.3	58
70	CO2 emissions from biomass combustion for bioenergy: atmospheric decay and contribution to global warming. <i>GCB Bioenergy</i> , 2011 , 3, 413-426	5.6	372
69	Analyzing the carbon footprint from public services provided by counties. <i>Journal of Cleaner Production</i> , 2011 , 19, 1975-1981	10.3	35
68	Effects of boreal forest management practices on the climate impact of CO2 emissions from bioenergy. <i>Ecological Modelling</i> , 2011 , 223, 59-66	3	55
67	Considering only first-order effects? How simplifications lead to unrealistic technology optimism in climate change mitigation. <i>Energy Policy</i> , 2011 , 39, 7448-7454	7.2	45
66	Exploring policy options for a transition to sustainable heating system diffusion using an agent-based simulation. <i>Energy Policy</i> , 2011 , 39, 2722-2729	7.2	49
65	Life cycle assessment of natural gas combined cycle power plant with post-combustion carbon capture, transport and storage. <i>International Journal of Greenhouse Gas Control</i> , 2011 , 5, 457-466	4.2	99
64	Including impacts of particulate emissions on marine ecosystems in life cycle assessment: the case of offshore oil and gas production. <i>Integrated Environmental Assessment and Management</i> , 2011 , 7, 678-86	2.5	27
63	Greenhouse gas emissions from the consumption of electric and electronic equipment by Norwegian households. <i>Environmental Science & Technology</i> , 2011 , 45, 8190-6	10.3	37
62	THE LIFE CYCLE ENVIRONMENTAL IMPACTS OF CONSUMPTION. <i>Economic Systems Research</i> , 2011 , 23, 27-47	2.1	96
61	Adopters and non-adopters of wood pellet heating in Norwegian households. <i>Biomass and Bioenergy</i> , 2011 , 35, 652-662	5.3	39
60	Comparative impact assessment of CCS portfolio: Life cycle perspective. <i>Energy Procedia</i> , 2011 , 4, 2486-2493	2.9	15
59	Human and environmental impact assessment of postcombustion CO2 capture focusing on emissions from amine-based scrubbing solvents to air. <i>Environmental Science & Technology</i> , 2010 , 44, 1496-502	10.3	159

58	Norwegian households' perception of wood pellet stove compared to air-to-air heat pump and electric heating. <i>Energy Policy</i> , 2010 , 38, 3744-3754	7.2	55
57	Identifying important characteristics of municipal carbon footprints. <i>Ecological Economics</i> , 2010 , 70, 60-66	5.6	49
56	Energy Cost of Living and Associated Pollution for Beijing Residents. <i>Journal of Industrial Ecology</i> , 2010 , 14, 890-901	7.2	7
55	Implementing Carbon-Footprint-Based Calculation Tools in Municipal Greenhouse Gas Inventories. <i>Journal of Industrial Ecology</i> , 2010 , 14, 965-977	7.2	44
54	Trade, transport, and sinks extend the carbon dioxide responsibility of countries: An editorial essay. <i>Climatic Change</i> , 2009 , 97, 379-388	4.5	57
53	Life cycle assessment of wood-based heating in Norway. <i>International Journal of Life Cycle Assessment</i> , 2009 , 14, 517-528	4.6	41
52	Shifting Trade Patterns as a Means of Reducing Global Carbon Dioxide Emissions. <i>Journal of Industrial Ecology</i> , 2009 , 13, 38-57	7.2	30
51	Evaluation of different CHP options for refinery integration in the context of a low carbon future. <i>International Journal of Greenhouse Gas Control</i> , 2009 , 3, 152-160	4.2	12
50	Approaches to correct for double counting in tiered hybrid life cycle inventories. <i>Journal of Cleaner Production</i> , 2009 , 17, 248-254	10.3	82
49	Life cycle assessment of a floating offshore wind turbine. <i>Renewable Energy</i> , 2009 , 34, 742-747	8.1	136
48	The case for consumption-based accounting of greenhouse gas emissions to promote local climate action. <i>Environmental Science and Policy</i> , 2009 , 12, 791-798	6.2	144
47	Exergy Analysis of the Process for Dimethyl Ether Production through Biomass Steam Gasification. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 10976-10985	3.9	21
46	Carbon footprint of nations: a global, trade-linked analysis. <i>Environmental Science & Technology</i> , 2009 , 43, 6414-20	10.3	1014
45	Concentrating-solar biomass gasification process for a 3rd generation biofuel. <i>Environmental Science & Technology</i> , 2009 , 43, 4207-12	10.3	73
44	The Application of Multi-regional Input-Output Analysis to Industrial Ecology. <i>Eco-efficiency in Industry and Science</i> , 2009 , 847-863		13
43	The environmental effect of car-free housing: A case in Vienna. <i>Ecological Economics</i> , 2008 , 65, 516-530	5.6	72
42	Life-cycle Assessment of Carbon Dioxide Capture for Enhanced Oil Recovery. <i>Chinese Journal of Chemical Engineering</i> , 2008 , 16, 343-353	3.2	56
41	Critical review: life-cycle inventory procedures for long-term release of metals. <i>Environmental Science & Technology</i> , 2008 , 42, 4639-47	10.3	33

40	Model-centered approach to early planning and design of an eco-industrial park around an oil refinery. <i>Environmental Science & Technology</i> , 2008 , 42, 4958-63	10.3	16
39	CO2 embodied in international trade with implications for global climate policy. <i>Environmental Science & Technology</i> , 2008 , 42, 1401-7	10.3	839
38	Post-Kyoto greenhouse gas inventories: production versus consumption. <i>Climatic Change</i> , 2008 , 86, 51-64	4.5	307
37	Occupational health impacts: offshore crane lifts in life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , 2008 , 13, 440-449	4.6	8
36	Consumption and Industrial Ecology. <i>Journal of Industrial Ecology</i> , 2008 , 9, 1-6	7.2	33
35	Consumption and the Rebound Effect: An Industrial Ecology Perspective. <i>Journal of Industrial Ecology</i> , 2008 , 9, 85-98	7.2	234
34	The Oslo Declaration on Sustainable Consumption. <i>Journal of Industrial Ecology</i> , 2008 , 10, 9-14	7.2	28
33	A comment on Functions, commodities and environmental impacts in an ecological-economic model. <i>Ecological Economics</i> , 2006 , 59, 1-6	5.6	35
32	Fission or Fossil: Life Cycle Assessment of Hydrogen Production. <i>Proceedings of the IEEE</i> , 2006 , 94, 1785-1794	17.34	23
31	Hybrid life-cycle assessment of natural gas based fuel chains for transportation. <i>Environmental Science & Technology</i> , 2006 , 40, 2797-804	10.3	24
30	Structural analysis of international trade: Environmental impacts of Norway. <i>Economic Systems Research</i> , 2006 , 18, 155-181	2.1	147
29	Pollution embodied in trade: The Norwegian case. <i>Global Environmental Change</i> , 2006 , 16, 379-387	10.1	180
28	Marine ecotoxic effect of pulse emissions in life cycle impact assessment. <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 297-303	3.8	
27	Including Human Health Damages due to Road Traffic in Life Cycle Assessment of Dwellings. <i>International Journal of Life Cycle Assessment</i> , 2006 , 11, 64-71	4.6	7
26	The Importance of Imports for Household Environmental Impacts. <i>Journal of Industrial Ecology</i> , 2006 , 10, 89-109	7.2	108
25	Life cycle approaches to sustainable consumption: a critical review. <i>Environmental Science & Technology</i> , 2005 , 39, 4673-84	10.3	272
24	Environmental Assessment of Two Waste Incineration Strategies for Central Norway (10 pp). <i>International Journal of Life Cycle Assessment</i> , 2005 , 10, 263-272	4.6	24
23	A comparison between the multimedia fate and exposure models CalTOX and uniform system for evaluation of substances adapted for life-cycle assessment based on the population intake fraction of toxic pollutants. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 486-93	3.8	30

22	Sustainability in the information society. <i>International Journal of Life Cycle Assessment</i> , 2004 , 9, 208-210	4.6	
21	Comment on "intermittent rainfall in dynamic multimedia fate modeling". <i>Environmental Science & Technology</i> , 2004 , 38, 5484	10.3	
20	A decision-analytic framework for impact assessment part I: LCA and decision analysis. <i>International Journal of Life Cycle Assessment</i> , 2001 , 6, 5	4.6	67
19	The human toxicity potential and a Strategy for Evaluating Model Performance in Life Cycle Impact Assessment. <i>International Journal of Life Cycle Assessment</i> , 2001 , 6, 106-109	4.6	24
18	A decision-analytic framework for impact assessment. <i>International Journal of Life Cycle Assessment</i> , 2001 , 6, 265	4.6	37
17	Human toxicity potentials for life-cycle assessment and toxics release inventory risk screening. <i>Environmental Toxicology and Chemistry</i> , 2001 , 20, 928-939	3.8	147
16	Fugacity superposition: a new approach to dynamic multimedia fate modeling. <i>Chemosphere</i> , 2001 , 44, 843-53	8.4	18
15	Intermittent rainfall in dynamic multimedia fate modeling. <i>Environmental Science & Technology</i> , 2001 , 35, 936-40	10.3	33
14	Pollutant-specific scale of multimedia models and its implications for the potential dose. <i>Environmental Science & Technology</i> , 2001 , 35, 142-8	10.3	21
13	Human toxicity potentials for life-cycle assessment and toxics release inventory risk screening 2001 , 20, 928		9
12	A systematic uncertainty analysis of an evaluative fate and exposure model. <i>Risk Analysis</i> , 2000 , 20, 439-54	5.4	72
11	A Theoretical Foundation for Life-Cycle Assessment. <i>Journal of Industrial Ecology</i> , 2000 , 4, 13-28	7.2	62
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3	Increased carbon footprint of materials production driven by rise in investments	8
2	Life cycle assessment as a means to identify the most effective action for sustainable consumption131-144	5
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