Mark A J Huijbregts

List of Publications by Year
in descending order

320 papers	20,940 citations	15001 68 h-index	16186 128 g-index
331 all docs	331 docs citations	331 times ranked	19027 citing authors

#	Article	IF	Citations
1	ReCiPe2016: a harmonised life cycle impact assessment method at midpoint and endpoint level. International Journal of Life Cycle Assessment, 2017, 22, 138-147.	2.2	1,905
2	USEtoxâ€"the UNEP-SETAC toxicity model: recommended characterisation factors for human toxicity and freshwater ecotoxicity in life cycle impact assessment. International Journal of Life Cycle Assessment, 2008, 13, 532-546.	2.2	1,180
3	Identifying best existing practice for characterization modeling in life cycle impact assessment. International Journal of Life Cycle Assessment, 2013, 18, 683-697.	2.2	515
4	Application of uncertainty and variability in LCA. International Journal of Life Cycle Assessment, 1998, 3, 273.	2.2	408
5	Normalisation in product life cycle assessment: An LCA of the global and European economic systems in the year 2000. Science of the Total Environment, 2008, 390, 227-240.	3.9	399
6	The impact of hunting on tropical mammal and bird populations. Science, 2017, 356, 180-183.	6.0	393
7	Global patterns of current and future road infrastructure. Environmental Research Letters, 2018, 13, 064006.	2.2	361
8	Is Cumulative Fossil Energy Demand a Useful Indicator for the Environmental Performance of Products?. Environmental Science & Technology, 2006, 40, 641-648.	4.6	356
9	Cumulative Energy Demand As Predictor for the Environmental Burden of Commodity Production. Environmental Science & Technology, 2010, 44, 2189-2196.	4.6	323
10	Evaluating Uncertainty in Environmental Life-Cycle Assessment. A Case Study Comparing Two Insulation Options for a Dutch One-Family Dwelling. Environmental Science & Technology, 2003, 37, 2600-2608.	4.6	287
11	Cumulative Exergy Extraction from the Natural Environment (CEENE): a comprehensive Life Cycle Impact Assessment method for resource accounting. Environmental Science & Technology, 2007, 41, 8477-8483.	4.6	282
12	Building a Model Based on Scientific Consensus for Life Cycle Impact Assessment of Chemicals: The Search for Harmony and Parsimony. Environmental Science & Technology, 2008, 42, 7032-7037.	4.6	270
13	Increasing impacts of land use on biodiversity and carbon sequestration driven by population and economic growth. Nature Ecology and Evolution, 2019, 3, 628-637.	3.4	265
14	Palm oil and the emission of carbon-based greenhouse gases. Journal of Cleaner Production, 2008, 16, 477-482.	4.6	257
15	Priority assessment of toxic substances in life cycle assessment. Part I: Calculation of toxicity potentials for 181 substances with the nested multi-media fate, exposure and effects model USESâ€"LCA. Chemosphere, 2000, 41, 541-573.	4.2	247
16	Applying cumulative exergy demand (CExD) indicators to the ecoinvent database. International Journal of Life Cycle Assessment, 2007, 12, 181-190.	2.2	237
17	Framework for modelling data uncertainty in life cycle inventories. International Journal of Life Cycle Assessment, 2001, 6, 127.	2.2	234
18	European characterization factors for human health damage of PM10 and ozone in life cycle impact assessment. Atmospheric Environment, 2008, 42, 441-453.	1.9	230

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19	Impacts of current and future large dams on the geographic range connectivity of freshwater fish worldwide. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3648-3655.	3.3	227
20	Determinants of corporate environmental reporting: the importance of environmental performance and assurance. Journal of Cleaner Production, 2016, 129, 724-734.	4.6	216
21	Net emission reductions from electric cars and heat pumps in 59 world regions over time. Nature Sustainability, 2020, 3, 437-447.	11.5	189
22	Social Indicators for Sustainable Project and Technology Life Cycle Management in the Process Industry (13 pp + 4). International Journal of Life Cycle Assessment, 2006, 11, 3-15.	2.2	187
23	Human-Toxicological Effect and Damage Factors of Carcinogenic and Noncarcinogenic Chemicals for Life Cycle Impact Assessment. Integrated Environmental Assessment and Management, 2005, 1, 181.	1.6	182
24	Ecological footprint accounting in the life cycle assessment of products. Ecological Economics, 2008, 64, 798-807.	2.9	180
25	USEtox human exposure and toxicity factors for comparative assessment of toxic emissions in life cycle analysis: sensitivity to key chemical properties. International Journal of Life Cycle Assessment, 2011, 16, 710-727.	2.2	180
26	Ranking potential impacts of priority and emerging pollutants in urban wastewater through life cycle impact assessment. Chemosphere, 2008, 74, 37-44.	4.2	173
27	Toward Meaningful End Points of Biodiversity in Life Cycle Assessment. Environmental Science & Technology, 2011, 45, 70-79.	4.6	173
28	USEtox fate and ecotoxicity factors for comparative assessment of toxic emissions in life cycle analysis: sensitivity to key chemical properties. International Journal of Life Cycle Assessment, 2011, 16, 701-709.	2.2	164
29	Characterization Factors for Global Warming in Life Cycle Assessment Based on Damages to Humans and Ecosystems. Environmental Science & Technology, 2009, 43, 1689-1695.	4.6	162
30	Threats of global warming to the worldâ€™s freshwater fishes. Nature Communications, 2021, 12, 1701.	5.8	157
31	Intact but empty forests? Patterns of hunting-induced mammal defaunation in the tropics. PLoS Biology, 2019, 17, e3000247.	2.6	150
32	Wind Power Electricity: The Bigger the Turbine, The Greener the Electricity?. Environmental Science & Technology, 2012, 46, 4725-4733.	4.6	149
33	The climate change mitigation potential of bioenergy with carbon capture and storage. Nature Climate Change, 2020, 10, 1023-1029.	8.1	149
34	Reviewing the carbon footprint analysis of hotels: Life Cycle Energy Analysis (LCEA) as a holistic method for carbon impact appraisal of tourist accommodation. Journal of Cleaner Production, 2011, 19, 1917-1930.	4.6	147
35	Quantifying Biodiversity Losses Due to Human Consumption: A Global-Scale Footprint Analysis. Environmental Science & Technology, 2017, 51, 3298-3306.	4.6	134
36	USES-LCA 2.0â€”a global nested multi-media fate, exposure, and effects model. International Journal of Life Cycle Assessment, 2009, 14, 282-284.	2.2	131

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37	Integrating Human Indoor Air Pollutant Exposure within Life Cycle Impact Assessment. Environmental Science & Technology, 2009, 43, 1670-1679.	4.6	116
38	Characterization Factors for Water Consumption and Greenhouse Gas Emissions Based on Freshwater Fish Species Extinction. Environmental Science & Technology, 2011, 45, 5272-5278.	4.6	114
39	Assessing the reliability of species distribution projections in climate change research. Diversity and Distributions, 2021, 27, 1035-1050.	1.9	110
40	Spatially explicit fate factors of phosphorous emissions to freshwater at the global scale. International Journal of Life Cycle Assessment, 2012, 17, 646-654.	2.2	109
41	Biogenic greenhouse gas emissions linked to the life cycles of biodiesel derived from European rapeseed and Brazilian soybeans. Journal of Cleaner Production, 2008, 16, 1943-1948.	4.6	107
42	Normalisation figures for environmental life-cycle assessment. Journal of Cleaner Production, 2003, 11, 737-748.	4.6	106
43	Exergy-based accounting for land as a natural resource in life cycle assessment. International Journal of Life Cycle Assessment, 2013, 18, 939-947.	2.2	104
44	Part II: Dealing with parameter uncertainty and uncertainty due to choices in life cycle assessment. International Journal of Life Cycle Assessment, 1998, 3, 343-351.	2.2	101
45	How Many Environmental Impact Indicators Are Needed in the Evaluation of Product Life Cycles?. Environmental Science & Technology, 2016, 50, 3913-3919.	4.6	95
46	Projecting terrestrial biodiversity intactness with GLOBIO 4. Global Change Biology, 2020, 26, 760-771.	4.2	94
47	Characterization Factors for Thermal Pollution in Freshwater Aquatic Environments. Environmental Science & Technology, 2010, 44, 9364-9369.	4.6	93
48	Assessing the suitability of diversity metrics to detect biodiversity change. Biological Conservation, 2017, 213, 341-350.	1.9	92
49	Regionalized life cycle impact assessment of air pollution on the global scale: Damage to human health and vegetation. Atmospheric Environment, 2016, 134, 129-137.	1.9	89
50	Spatially Explicit Characterization of Acidifying and Eutrophying Air Pollution in Life-Cycle Assessment. Journal of Industrial Ecology, 2000, 4, 75-92.	2.8	86
51	Limits to Paris compatibility of CO2 capture and utilization. One Earth, 2022, 5, 168-185.	3.6	86
52	The â€œBad Laborâ€•Footprint: Quantifying the Social Impacts of Globalization. Sustainability, 2014, 6, 7514-7540.	1.6	85
53	Towards a meaningful assessment of marine ecological impacts in life cycle assessment (LCA). Environment International, 2016, 89-90, 48-61.	4.8	83
54	Applying cumulative exergy demand (CExD) indicators to the ecoinvent database. International Journal of Life Cycle Assessment, 2007, 12, 181-190.	2.2	82

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55	Global drivers of population density in terrestrial vertebrates. Global Ecology and Biogeography, 2018, 27, 968-979.	2.7	80
56	LCâ€IMPACT: A regionalized life cycle damage assessment method. Journal of Industrial Ecology, 2020, 24, 1201-1219.	2.8	80
57	Contrasting changes in the abundance and diversity of North American bird assemblages from 1971 to 2010. Global Change Biology, 2016, 22, 3948-3959.	4.2	79
58	SPECIES SENSITIVITY DISTRIBUTIONS FOR SUSPENDED CLAYS, SEDIMENT BURIAL, AND GRAIN SIZE CHANGE IN THE MARINE ENVIRONMENT. Environmental Toxicology and Chemistry, 2008, 27, 1006.	2.2	78
59	Valuing the human health damage caused by the fraud of Volkswagen. Environmental Pollution, 2016, 212, 121-127.	3.7	78
60	The Challenges of Applying Planetary Boundaries as a Basis for Strategic Decision-Making in Companies with Global Supply Chains. Sustainability, 2017, 9, 279.	1.6	78
61	Large carnivore expansion in Europe is associated with human population density and land cover changes. Diversity and Distributions, 2021, 27, 602-617.	1.9	78
62	Powering sustainable development within planetary boundaries. Energy and Environmental Science, 2019, 12, 1890-1900.	15.6	77
63	Understanding farm-level differences in environmental impact and eco-efficiency: The case of rice production in Iran. Sustainable Production and Consumption, 2021, 27, 1021-1029.	5.7	76
64	Life cycle carbon efficiency of Direct Air Capture systems with strong hydroxide sorbents. International Journal of Greenhouse Gas Control, 2019, 80, 25-31.	2.3	75
65	Metal Bioaccumulation in Aquatic Species: Quantification of Uptake and Elimination Rate Constants Using Physicochemical Properties of Metals and Physiological Characteristics of Species. Environmental Science & Technology, 2008, 42, 852-858.	4.6	74
66	Scaling Relationships in Life Cycle Assessment. Journal of Industrial Ecology, 2014, 18, 393-406.	2.8	74
67	On the usefulness of life cycle assessment in early chemical methodology development: the case of organophosphorus-catalyzed Appel and Wittig reactions. Green Chemistry, 2013, 15, 1255.	4.6	73
68	Characterization factors for terrestrial acidification at the global scale: A systematic analysis of spatial variability and uncertainty. Science of the Total Environment, 2014, 500-501, 270-276.	3.9	73
69	Life-cycle assessment of photovoltaic modules: Comparison of mc-Si, InGaP and InGaP/mc-Si solar modules. Progress in Photovoltaics: Research and Applications, 2003, 11, 275-287.	4.4	72
70	The island rule explains consistent patterns of body size evolution in terrestrial vertebrates. Nature Ecology and Evolution, 2021, 5, 768-786.	3.4	72
71	Critical Body Residues Linked to Octanolâ^'Water Partitioning, Organism Composition, and LC50QSARs:Â Meta-analysis and Model. Environmental Science & Technology, 2005, 39, 3226-3236.	4.6	71
72	Human intake fractions of pesticides via greenhouse tomato consumption: Comparing model estimates with measurements for Captan. Chemosphere, 2007, 67, 1102-1107.	4.2	71

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73	New Method for Calculating Comparative Toxicity Potential of Cationic Metals in Freshwater: Application to Copper, Nickel, and Zinc. Environmental Science & Technology, 2010, 44, 5195-5201.	4.6	71
74	Global-scale remote sensing of mine areas and analysis of factors explaining their extent. Global Environmental Change, 2020, 60, 102007.	3.6	70
75	Time Horizon Dependent Characterization Factors for Acidification in Life-Cycle Assessment Based on Forest Plant Species Occurrence in Europe. Environmental Science & Technology, 2007, 41, 922-927.	4.6	69
76	Bridging the gap between impact assessment methods and climate science. Environmental Science and Policy, 2016, 64, 129-140.	2.4	69
77	What are sources of carbon lock-in in energy-intensive industry? A case study into Dutch chemicals production. Energy Research and Social Science, 2020, 60, 101320.	3.0	69
78	Solar Energy Demand (SED) of Commodity Life Cycles. Environmental Science & Technology, 2011, 45, 5426-5433.	4.6	67
79	Assessing the Importance of Spatial Variability versus Model Choices in Life Cycle Impact Assessment: The Case of Freshwater Eutrophication in Europe. Environmental Science & Technology, 2013, 47, 13565-13570.	4.6	67
80	Sensitivity of native and non-native mollusc species to changing river water temperature and salinity. Biological Invasions, 2012, 14, 1187-1199.	1.2	65
81	Priority assessment of toxic substances in life cycle assessment. Part II: assessing parameter uncertainty and human variability in the calculation of toxicity potentials. Chemosphere, 2000, 41, 575-588.	4.2	64
82	Human population intake fractions and environmental fate factors of toxic pollutants in life cycle impact assessment. Chemosphere, 2005, 61, 1495-1504.	4.2	64
83	PestScreen: A screening approach for scoring and ranking pesticides by their environmental and toxicological concern. Environment International, 2007, 33, 886-893.	4.8	64
84	Life cycle greenhouse gas emissions, fossil fuel demand and solar energy conversion efficiency in European bioethanol production for automotive purposes. Journal of Cleaner Production, 2007, 15, 1806-1812.	4.6	64
85	Do We Need a Paradigm Shift in Life Cycle Impact Assessment?. Environmental Science & Technology, 2011, 45, 3833-3834.	4.6	62
86	Global assessment of the effects of terrestrial acidification on plant species richness. Environmental Pollution, 2013, 174, 10-15.	3.7	62
87	Removing nitrogen from wastewater with side stream anammox: What are the trade-offs between environmental impacts?. Resources, Conservation and Recycling, 2016, 107, 212-219.	5.3	62
88	Accumulation of perfluorooctane sulfonate (PFOS) in the food chain of the Western Scheldt estuary: Comparing field measurements with kinetic modeling. Chemosphere, 2008, 70, 1766-1773.	4.2	61
89	Implementing Groundwater Extraction in Life Cycle Impact Assessment: Characterization Factors Based on Plant Species Richness for the Netherlands. Environmental Science & Technology, 2011, 45, 629-635.	4.6	61
90	Environmental and morphological factors influencing predatory behaviour by invasive non-indigenous gammaridean species. Biological Invasions, 2009, 11, 2043-2054.	1.2	60

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91	Helias A. Udo De Haes: A Practical Scientist. International Journal of Life Cycle Assessment, 2006, 11, 3-3.	2.2	59
92	Redefinition and Elaboration of River Ecosystem Health: Perspective for River Management. Hydrobiologia, 2006, 565, 289-308.	1.0	58
93	Introducing Life Cycle Impact Assessment. LCA Compendium, 2015, , 1-16.	0.8	57
94	Resource Footprints are Good Proxies of Environmental Damage. Environmental Science & Technology, 2017, 51, 6360-6366.	4.6	57
95	Power-Law Relationships for Estimating Mass, Fuel Consumption and Costs of Energy Conversion Equipments. Environmental Science & Technology, 2011, 45, 751-754.	4.6	56
96	Applying habitat and populationâ€density models to landâ€cover time series to inform IUCN Red List assessments. Conservation Biology, 2019, 33, 1084-1093.	2.4	56
97	Uncertainties in the application of the species area relationship for characterisation factors of land occupation in life cycle assessment. International Journal of Life Cycle Assessment, 2010, 15, 682-691.	2.2	54
98	Sensitivity of Polar and Temperate Marine Organisms to Oil Components. Environmental Science & Technology, 2011, 45, 9017-9023.	4.6	52
99	An Identification Key for Selecting Methods for Sustainability Assessments. Sustainability, 2015, 7, 2490-2512.	1.6	52
100	On the importance of trait interrelationships for understanding environmental responses of stream macroinvertebrates. Freshwater Biology, 2016, 61, 181-194.	1.2	52
101	Differences in sensitivity of native and exotic fish species to changes in river temperature. Environmental Epigenetics, 2011, 57, 852-862.	0.9	51
102	Harmonizing the Assessment of Biodiversity Effects from Land and Water Use within LCA. Environmental Science & Technology, 2015, 49, 3584-3592.	4.6	51
103	Spatially explicit prioritization of human antibiotics and antineoplastics in Europe. Environment International, 2013, 51, 13-26.	4.8	49
104	Addressing Geographic Variability in the Comparative Toxicity Potential of Copper and Nickel in Soils. Environmental Science & Technology, 2013, 47, 3241-3250.	4.6	49
105	The Blue Water Footprint of Primary Copper Production in Northern Chile. Journal of Industrial Ecology, 2014, 18, 49-58.	2.8	49
106	The clearwater consensus: the estimation of metal hazard in fresh water. International Journal of Life Cycle Assessment, 2010, 15, 143-147.	2.2	48
107	Implications of considering metal bioavailability in estimates of freshwater ecotoxicity: examination of two case studies. International Journal of Life Cycle Assessment, 2011, 16, 774.	2.2	48
108	Surplus Cost Potential as a Life Cycle Impact Indicator for Metal Extraction. Resources, 2016, 5, 2.	1.6	48

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109	Spatially-differentiated atmospheric sourceâ€“receptor relationships for nitrogen oxides, sulfur oxides and ammonia emissions at the global scale for life cycle impact assessment. Atmospheric Environment, 2012, 62, 74-81.	1.9	47
110	Ore Grade Decrease As Life Cycle Impact Indicator for Metal Scarcity: The Case of Copper. Environmental Science & Technology, 2012, 46, 12772-12778.	4.6	47
111	Value Choices in Life Cycle Impact Assessment of Stressors Causing Human Health Damage. Journal of Industrial Ecology, 2011, 15, 796-815.	2.8	46
112	Combined ecological risks of nitrogen and phosphorus in European freshwaters. Environmental Pollution, 2015, 200, 85-92.	3.7	46
113	PCLake+: A process-based ecological model to assess the trophic state of stratified and non-stratified freshwater lakes worldwide. Ecological Modelling, 2019, 396, 23-32.	1.2	46
114	CALCULATING LIFE-CYCLE ASSESSMENT EFFECT FACTORS FROM POTENTIALLY AFFECTED FRACTION-BASED ECOTOXICOLOGICAL RESPONSE FUNCTIONS. Environmental Toxicology and Chemistry, 2005, 24, 1573.	2.2	45
115	Characterization factors for inland water eutrophication at the damage level in life cycle impact assessment. International Journal of Life Cycle Assessment, 2011, 16, 59-64.	2.2	45
116	Mechanistic insights into the role of large carnivores for ecosystem structure and functioning. Ecography, 2020, 43, 1752-1763.	2.1	45
117	Comparison of toxicological impacts of integrated and chemical pest management in Mediterranean greenhouses. Chemosphere, 2004, 54, 1225-1235.	4.2	44
118	Greenhouse-gas payback times for crop-basedÂbiofuels. Nature Climate Change, 2015, 5, 604-610.	8.1	44
119	Metal accumulation in the earthworm Lumbricus rubellus. Model predictions compared to field data. Environmental Pollution, 2007, 146, 428-436.	3.7	43
120	A methodology for separating uncertainty and variability in the life cycle greenhouse gas emissions of coal-fueled power generation in the USA. International Journal of Life Cycle Assessment, 2014, 19, 1146-1155.	2.2	43
121	Impacts of River Water Consumption on Aquatic Biodiversity in Life Cycle Assessmentâ€"A Proposed Method, and a Case Study for Europe. Environmental Science & Technology, 2014, 48, 3236-3244.	4.6	43
122	Combined effects of land use and hunting on distributions of tropical mammals. Conservation Biology, 2020, 34, 1271-1280.	2.4	43
123	Priority assessment of toxic substances in life cycle assessment. III: Export of potential impact over time and space. Chemosphere, 2001, 44, 59-65.	4.2	42
124	Spatial Variability and Uncertainty in Ecological Risk Assessment:Â A Case Study on the Potential Risk of Cadmium for the Little Owl in a Dutch River Flood Plain. Environmental Science & Technology, 2005, 39, 2177-2187.	4.6	42
125	Estimating the Impact of High-Production-Volume Chemicals on Remote Ecosystems by Toxic Pressure Calculation. Environmental Science & Technology, 2006, 40, 1573-1580.	4.6	42
126	Uncertainty in msPAF-Based Ecotoxicological Effect Factors for Freshwater Ecosystems in Life Cycle Impact Assessment. Integrated Environmental Assessment and Management, 2007, 3, 203.	1.6	42

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127	Comparing the effectiveness of interventions to improve ventilation behavior in primary schools. Indoor Air, 2008, 18, 416-424.	2.0	42
128	Environmental impact of thin-film GaInP/GaAs and multicrystalline silicon solar modules produced with solar electricity. International Journal of Life Cycle Assessment, 2009, 14, 225-235.	2.2	42
129	Species richnessâ€"phosphorus relationships for lakes and streams worldwide. Global Ecology and Biogeography, 2013, 22, 1304-1314.	2.7	42
130	How to quantify biodiversity footprints of consumption? A review of multi-regional inputâ€"output analysis and life cycle assessment. Current Opinion in Environmental Sustainability, 2017, 29, 75-81.	3.1	42
131	Greenhouse gas footprints of palm oil production in Indonesia over space and time. Science of the Total Environment, 2019, 688, 827-837.	3.9	42
132	Calcifying Species Sensitivity Distributions for Ocean Acidification. Environmental Science & Technology, 2015, 49, 1495-1500.	4.6	41
133	Lengthâ€"mass allometries in amphibians. Integrative Zoology, 2018, 13, 36-45.	1.3	41
134	Uncertainty and variability in environmental life-cycle assessment. International Journal of Life Cycle Assessment, 2002, 7, 173-173.	2.2	40
135	Australian characterisation factors and normalisation figures for human toxicity and ecotoxicity. Journal of Cleaner Production, 2007, 15, 819-832.	4.6	40
136	Transformation Products in the Life Cycle Impact Assessment of Chemicals. Environmental Science & Technology, 2010, 44, 1004-1009.	4.6	40
137	Comparing responses of freshwater fish and invertebrate community integrity along multiple environmental gradients. Ecological Indicators, 2014, 43, 215-226.	2.6	40
138	How to define the quality of materials in a circular economy?. Resources, Conservation and Recycling, 2019, 141, 362-363.	5.3	40
139	Life cycle assessment of thin-film GaAs and GaInP/GaAs solar modules. Progress in Photovoltaics: Research and Applications, 2007, 15, 163-179.	4.4	39
140	Global spatially explicit CO2 emission metrics for forest bioenergy. Scientific Reports, 2016, 6, 20186.	1.6	39
141	Aquatic risks from human pharmaceuticalsâ€"modelling temporal trends of carbamazepine and ciprofloxacin at the global scale. Environmental Research Letters, 2019, 14, 034003.	2.2	39
142	Including impacts of particulate emissions on marine ecosystems in life cycle assessment: The case of offshore oil and gas production. Integrated Environmental Assessment and Management, 2011, 7, 678-686.	1.6	38
143	Beyond Safe Operating Space: Finding Chemical Footprinting Feasible. Environmental Science & Technology, 2014, 48, 6057-6059.	4.6	38
144	Biomass residues as twenty-first century bioenergy feedstockâ€"a comparison of eight integrated assessment models. Climatic Change, 2020, 163, 1569-1586.	1.7	38

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145	Comparative Greenhouse Gas Footprinting of Online versus Traditional Shopping for Fast-Moving Consumer Goods: A Stochastic Approach. Environmental Science & Technology, 2020, 54, 3499-3509.	4.6	38
146	Including Sorption to Black Carbon in Modeling Bioaccumulation of Polycyclic Aromatic Hydrocarbons:Â Uncertainty Analysis and Comparison to Field Data. Environmental Science & Technology, 2007, 41, 2738-2744.	4.6	37
147	FLO1K, global maps of mean, maximum and minimum annual streamflow at 1 km resolution from 1960 through 2015. Scientific Data, 2018, 5, 180052.	2.4	37
148	Choices in calculating life cycle emissions of carbon containing gases associated with forest derived biofuels. Journal of Cleaner Production, 2003, 11, 527-532.	4.6	36
149	Empirical evaluation of spatial and non-spatial European-scale multimedia fate models: results and implications for chemical risk assessment. Journal of Environmental Monitoring, 2007, 9, 572.	2.1	36
150	Environmental life cycle assessment of roofâ€integrated flexible amorphous silicon/nanocrystalline silicon solar cell laminate. Progress in Photovoltaics: Research and Applications, 2013, 21, 802-815.	4.4	36
151	Surplus Ore Potential as a Scarcity Indicator for Resource Extraction. Journal of Industrial Ecology, 2017, 21, 381-390.	2.8	36
152	Variability in the carbon footprint of open-field tomato production in Iran - A case study of Alborz and East-Azerbaijan provinces. Journal of Cleaner Production, 2017, 142, 1510-1517.	4.6	36
153	Assessing the reliability of predicted plant trait distributions at the global scale. Global Ecology and Biogeography, 2020, 29, 1034-1051.	2.7	36
154	Life Cycle Impact assessment of pollutants causing aquatic eutrophication. International Journal of Life Cycle Assessment, 2001, 6, 339.	2.2	35
155	Pesticide ecotoxicological effect factors and their uncertainties for freshwater ecosystems. International Journal of Life Cycle Assessment, 2009, 14, 43-51.	2.2	35
156	Organotin accumulation in an estuarine food chain: Comparing field measurements with model estimations. Marine Environmental Research, 2006, 61, 511-530.	1.1	34
157	Time and concentration dependency in the potentially affected fraction of species: The case of hydrogen peroxide treatment of ballast water. Environmental Toxicology and Chemistry, 2008, 27, 746-753.	2.2	34
158	Integration of Biotic Ligand Models (BLM) and Bioaccumulation Kinetics into a Mechanistic Framework for Metal Uptake in Aquatic Organisms. Environmental Science & Technology, 2010, 44, 5022-5028.	4.6	34
159	Field sensitivity distribution of macroinvertebrates for phosphorus in inland waters. Integrated Environmental Assessment and Management, 2011, 7, 280-286.	1.6	34
160	Accumulation of organochlorines and brominated flame retardants in estuarine and marine food chains: Field measurements and model calculations. Marine Pollution Bulletin, 2005, 50, 1085-1102.	2.3	33
161	Comparing the ecological footprint with the biodiversity footprint of products. Journal of Cleaner Production, 2012, 37, 107-114.	4.6	33
162	Quantifying the Trade-off between Parameter and Model Structure Uncertainty in Life Cycle Impact Assessment. Environmental Science & Technology, 2013, 47, 9274-9280.	4.6	33

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163	Human Health Damages due to Indoor Sources of Organic Compounds and Radioactivity in Life Cycle Impact Assessment of Dwellings - Part 1: Characterisation Factors (8 pp). International Journal of Life Cycle Assessment, 2005, 10, 309-316.	2.2	32
164	Spatial- and Time-Explicit Human Damage Modeling of Ozone Depleting Substances in Life Cycle Impact Assessment. Environmental Science & Technology, 2010, 44, 204-209.	4.6	32
165	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. Environmental Toxicology and Chemistry, 2005, 24, 486.	2.2	31
166	Life cycle emissions of greenhouse gases associated with burning animal wastes in countries of the European Union. Journal of Cleaner Production, 2005, 13, 51-56.	4.6	31
167	CADMIUM ACCUMULATION IN HERBIVOROUS AND CARNIVOROUS SMALL MAMMALS: META-ANALYSIS OF FIELD DATA AND VALIDATION OF THE BIOACCUMULATION MODEL OPTIMAL MODELING FOR ECOTOXICOLOGICAL APPLICATIONS. Environmental Toxicology and Chemistry, 2007, 26, 1488.	2.2	31
168	Implications of geographic variability on Comparative Toxicity Potentials of Cu, Ni and Zn in freshwaters of Canadian ecoregions. Chemosphere, 2011, 82, 268-277.	4.2	31
169	A systematic approach to assess the environmental impact of emerging technologies: A case study for the GHG footprint of CIGS solar photovoltaic laminate. Journal of Industrial Ecology, 2020, 24, 1234-1249.	2.8	31
170	Model and input uncertainty in multi-media fate modeling: Benzo[a]pyrene concentrations in Europe. Chemosphere, 2008, 72, 959-967.	4.2	30
171	Do interspecies correlation estimations increase the reliability of toxicity estimates for wildlife?. Ecotoxicology and Environmental Safety, 2012, 80, 238-243.	2.9	30
172	Including the Introduction of Exotic Species in Life Cycle Impact Assessment: The Case of Inland Shipping. Environmental Science & Technology, 2013, 47, 13934-13940.	4.6	30
173	Confronting environmental pressure, environmental quality and human health impact indicators of priority air emissions. Atmospheric Environment, 2009, 43, 1613-1621.	1.9	29
174	The influence of value choices in life cycle impact assessment of stressors causing human health damage. International Journal of Life Cycle Assessment, 2013, 18, 698-706.	2.2	29
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