Mark A J Huijbregts

List of Publications by Year in Descending Order

310 papers	14,830 citations	58 h-index	108 g-index
331 ext. papers	17,676 ext. citations	7.4 avg, IF	6.81 L-index

#	Paper	IF	Citations
310	Limits to Paris compatibility of CO2 capture and utilization. *One Earth*, **2022**, 5, 168-185	8.1	6
309	Population density estimates for terrestrial mammal species. *Global Ecology and Biogeography*, **2022**, 31, 978-994	6.1	0
308	Human and planetary health implications of negative emissions technologies.. *Nature Communications*, **2022**, 13, 2535	17.4	1
307	The importance of biogenic carbon storage in the greenhouse gas footprint of medium density fiberboard from poplar wood and bagasse. *Cleaner Environmental Systems*, **2021**, 3, 100066	2	0
306	Human-induced reduction in mammalian movements impacts seed dispersal in the tropics. *Ecography*, **2021**, 44, 897-906	6.5	4
305	Threats of global warming to the world's freshwater fishes. *Nature Communications*, **2021**, 12, 1701	17.4	30
304	The island rule explains consistent patterns of body size evolution in terrestrial vertebrates. *Nature Ecology and Evolution*, **2021**, 5, 768-786	12.3	22
303	Plant functional and taxonomic diversity in European grasslands along climatic gradients. *Journal of Vegetation Science*, **2021**, 32, e13027	3.1	3
302	Conditional love? Co-occurrence patterns of drought-sensitive species in European grasslands are consistent with the stress-gradient hypothesis. *Global Ecology and Biogeography*, **2021**, 30, 1609-1620	6.1	2
301	FTT:Heat □A simulation model for technological change in the European residential heating sector. *Energy Policy*, **2021**, 153, 112249	7.2	2
300	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	8.2	29
299	Identifying regional drivers of future land-based biodiversity footprints. *Global Environmental Change*, **2021**, 69, 102304	10.1	0
298	Subnational greenhouse gas and land-based biodiversity footprints in the European Union. *Journal of Industrial Ecology*, **2021**, 25, 79-94	7.2	7
297	Estimating greenhouse gas emissions from direct land use change due to crop production in multiple countries. *Science of the Total Environment*, **2021**, 755, 143338	10.2	3
296	Large carnivore expansion in Europe is associated with human population density and land cover changes. *Diversity and Distributions*, **2021**, 27, 602-617	5	11
295	Assessing the reliability of species distribution projections in climate change research. *Diversity and Distributions*, **2021**, 27, 1035-1050	5	23
294	Mammal assemblage composition predicts global patterns in emerging infectious disease risk. *Global Change Biology*, **2021**, 27, 4995-5007	11.4	3

293	MadingleyR: An R package for mechanistic ecosystem modelling. *Global Ecology and Biogeography*, **2021**, 30, 1922-1933	6.1	2
292	Greenhouse gas footprints of utility-scale photovoltaic facilities at the global scale. *Environmental Research Letters*, **2021**, 16, 094056	6.2	1
291	Drivers of variability in greenhouse gas footprints of crop production. *Journal of Cleaner Production* , **2021**, 315, 128121	10.3	2
290	The role of hydrogen in heavy transport to operate within planetary boundaries. *Sustainable Energy and Fuels*, **2021**, 5, 4637-4649	5.8	5
289	LC-IMPACT: A regionalized life cycle damage assessment method *Journal of Industrial Ecology*, **2020**, 24, 1201-1219	7.2	18
288	Assessing the reliability of predicted plant trait distributions at the global scale. *Global Ecology and Biogeography*, **2020**, 29, 1034-1051	6.1	11
287	Comparative Greenhouse Gas Footprinting of Online versus Traditional Shopping for Fast-Moving Consumer Goods: A Stochastic Approach. *Environmental Science & Technology*, **2020**, 54, 3499-3509	10.3	17
286	Net emission reductions from electric cars and heat pumps in 59 world regions over time. *Nature Sustainability*, **2020**, 3, 437-447	22.1	67
285	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	11.5	85
284	Evaluating the ecological realism of plant species distribution models with ecological indicator values. *Ecography*, **2020**, 43, 161-170	6.5	6
283	Projecting terrestrial biodiversity intactness with GLOBIO 4. *Global Change Biology*, **2020**, 26, 760-771	11.4	42
282	Predicting reintroduction costs for wildlife populations under anthropogenic stress. *Journal of Applied Ecology*, **2020**, 57, 192-201	5.8	1
281	A regression-based model to predict chemical migration from packaging to food. *Journal of Exposure Science and Environmental Epidemiology*, **2020**, 30, 469-477	6.7	4
280	Combined effects of land use and hunting on distributions of tropical mammals. *Conservation Biology*, **2020**, 34, 1271-1280	6	22
279	Reply to the Comment on Powering sustainable development within planetary boundaries by Y. Yang, Energy Environ. Sci., 2020, 13, DOI: 10.1039/C9EE01176E. *Energy and Environmental Science*, **2020**, 13, 313-316	35.4	1
278	Reliable and representative in silico predictions of freshwater ecotoxicological hazardous concentrations. *Environment International*, **2020**, 134, 105334	12.9	5
277	Global-scale remote sensing of mine areas and analysis of factors explaining their extent. *Global Environmental Change*, **2020**, 60, 102007	10.1	28
276	Mechanistic insights into the role of large carnivores for ecosystem structure and functioning. *Ecography*, **2020**, 43, 1752-1763	6.5	13

275	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	7.2	15
274	Mean Species Abundance as a Measure of Ecotoxicological Risk. *Environmental Toxicology and Chemistry*, **2020**, 39, 2304-2313	3.8	3
273	On the importance of predictor choice, modelling technique, and number of pseudo-absences for bioclimatic envelope model performance. *Ecology and Evolution*, **2020**, 10, 12307-12317	2.8	5
272	The climate change mitigation potential of bioenergy with carbon capture and storage. *Nature Climate Change*, **2020**, 10, 1023-1029	21.4	53
271	Disentangling drivers of spatial autocorrelation in species distribution models. *Ecography*, **2020**, 43, 1741-1751	6.1	4
270	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	7.7	25
269	Biomass residues as twenty-first century bioenergy feedstock-a comparison of eight integrated assessment models. *Climatic Change*, **2020**, 163, 1569-1586	4.5	16
268	Assessing the environmental benefits of utilising residual flows. *Resources, Conservation and Recycling*, **2019**, 150, 104433	11.9	6
267	Powering sustainable development within planetary boundaries. *Energy and Environmental Science*, **2019**, 12, 1890-1900	35.4	44
266	Global relative species loss due to first-generation biofuel production for the transport sector. *GCB Bioenergy*, **2019**, 11, 763-772	5.6	19
265	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	3	20
264	Intact but empty forests? Patterns of hunting-induced mammal defaunation in the tropics. *PLoS Biology*, **2019**, 17, e3000247	9.7	81
263	Consumption-based biodiversity footprints Do different indicators yield different results?. *Ecological Indicators*, **2019**, 103, 461-470	5.8	13
262	The influence of consumer behavior on energy, greenhouse gas, and water footprints of showering. *Journal of Industrial Ecology*, **2019**, 23, 1186-1195	7.2	5
261	Aquatic risks from human pharmaceuticals modelling temporal trends of carbamazepine and ciprofloxacin at the global scale. *Environmental Research Letters*, **2019**, 14, 034003	6.2	23
260	Increasing impacts of land use on biodiversity and carbon sequestration driven by population and economic growth. *Nature Ecology and Evolution*, **2019**, 3, 628-637	12.3	132
259	Confronting variability with uncertainty in the ecotoxicological impact assessment of down-the-drain products. *Environment International*, **2019**, 126, 37-45	12.9	11
258	Life cycle greenhouse gas benefits or burdens of residual biomass from landscape management. *Journal of Cleaner Production*, **2019**, 220, 698-706	10.3	4

257	Space, Time, and Size Dependencies of Greenhouse Gas Payback Times of Wind Turbines in Northwestern Europe. *Environmental Science & Technology*, **2019**, 53, 9289-9297	10.3	8
256	Greenhouse gas footprints of palm oil production in Indonesia over space and time. *Science of the Total Environment*, **2019**, 688, 827-837	10.2	25
255	Modelling the effectiveness of climate policies: How important is loss aversion by consumers?. *Renewable and Sustainable Energy Reviews*, **2019**, 116, 109419	16.2	7
254	Reply to: Soils need to be considered when assessing the impacts of land-use change on carbon sequestration. *Nature Ecology and Evolution*, **2019**, 3, 1643-1644	12.3	
253	Comparing greenhouse gas footprints and payback times of crop-based biofuel production worldwide. *Biofuels*, **2019**, 1-7	2	7
252	Life cycle carbon efficiency of Direct Air Capture systems with strong hydroxide sorbents. *International Journal of Greenhouse Gas Control*, **2019**, 80, 25-31	4.2	38
251	How to define the quality of materials in a circular economy?. *Resources, Conservation and Recycling*, **2019**, 141, 362-363	11.9	26
250	Applying habitat and population-density models to land-cover time series to inform IUCN Red List assessments. *Conservation Biology*, **2019**, 33, 1084-1093	6	28
249	Relating plant height to demographic rates and extinction vulnerability. *Biological Conservation*, **2018**, 220, 104-111	6.2	2
248	Deriving Field-Based Ecological Risks for Bird Species. *Environmental Science & Technology*, **2018**, 52, 3716-3726	10.3	4
247	Headline Environmental Indicators Revisited with the Global Multi-Regional Input-Output Database EXIOBASE. *Journal of Industrial Ecology*, **2018**, 22, 565-573	7.2	17
246	Using field data to quantify chemical impacts on wildlife population viability **2018**, 28, 771-785		2
245	Tracking current and forecasting future land-use impacts of agricultural value chains. 67th Discussion Forum on Life Cycle Assessment, 3rd of November 2017, Zurich, Switzerland. *International Journal of Life Cycle Assessment*, **2018**, 23, 1520-1524	4.6	2
244	Quantifying drivers of variability in life cycle greenhouse gas emissions of consumer products case study on laundry washing in Europe. *International Journal of Life Cycle Assessment*, **2018**, 23, 1940-1949	4.6	16
243	Quantifying variability in removal efficiencies of chemicals in activated sludge wastewater treatment plants - a meta-analytical approach. *Environmental Sciences: Processes and Impacts*, **2018**, 20, 171-182	4.3	17
242	Length-mass allometries in amphibians. *Integrative Zoology*, **2018**, 13, 36-45	1.9	23
241	Spatially explicit life cycle impact assessment for soil erosion from global crop production. *Ecosystem Services*, **2018**, 30, 220-227	6.1	16
240	FLO1K, global maps of mean, maximum and minimum annual streamflow at 1 km resolution from 1960 through 2015. *Scientific Data*, **2018**, 5, 180052	8.2	23

239	Global drivers of population density in terrestrial vertebrates. *Global Ecology and Biogeography*, **2018**, 27, 968-979	6.1	37
238	Variability of Greenhouse Gas Footprints of Field Tomatoes Grown for Processing: Interyear and Intercountry Assessment. *Environmental Science & Technology*, **2018**, 52, 135-144	10.3	10
237	Estimation of chemical emissions from down-the-drain consumer products using consumer survey data at a country and wastewater treatment plant level. *Chemosphere*, **2018**, 193, 32-41	8.4	6
236	Global patterns of current and future road infrastructure. *Environmental Research Letters*, **2018**, 13, 064006	6.2	157
235	Models to Estimate Fate, Exposure, and Effects of Chemicals **2018**, 49-70		
234	Estimating the Greenhouse Gas Balance of Individual Gas-Fired and Oil-Fired Electricity Plants on a Global Scale. *Journal of Industrial Ecology*, **2017**, 21, 127-135	7.2	1
233	Time-varying effects of aromatic oil constituents on the survival of aquatic species: Deviations between model estimates and observations. *Environmental Toxicology and Chemistry*, **2017**, 36, 128-136	3.8	4
232	Surplus Ore Potential as a Scarcity Indicator for Resource Extraction. *Journal of Industrial Ecology*, **2017**, 21, 381-390	7.2	26
231	Quantifying Biodiversity Losses Due to Human Consumption: A Global-Scale Footprint Analysis. *Environmental Science & Technology*, **2017**, 51, 3298-3306	10.3	82
230	Spatial and technological variability in the carbon footprint of durum wheat production in Iran. *International Journal of Life Cycle Assessment*, **2017**, 22, 1893-1900	4.6	9
229	The impact of hunting on tropical mammal and bird populations. *Science*, **2017**, 356, 180-183	33.3	229
228	Regionalised life cycle assessment of pasta production in Iran: Damage to terrestrial ecosystems. *Journal of Cleaner Production*, **2017**, 159, 141-146	10.3	13
227	Developing and testing a global-scale regression model to quantify mean annual streamflow. *Journal of Hydrology*, **2017**, 544, 479-487	6	13
226	Resource Footprints are Good Proxies of Environmental Damage. *Environmental Science & Technology*, **2017**, 51, 6360-6366	10.3	36
225	ReCiPe2016: a harmonised life cycle impact assessment method at midpoint and endpoint level. *International Journal of Life Cycle Assessment*, **2017**, 22, 138-147	4.6	939
224	Identification and ranking of environmental threats with ecosystem vulnerability distributions. *Scientific Reports*, **2017**, 7, 9298	4.9	12
223	Response to Comment on "Resource Footprints are Good Proxies of Environmental Damage?. *Environmental Science & Technology*, **2017**, 51, 13056-13057	10.3	2
222	Setting population targets for mammals using body mass as a predictor of population persistence. *Conservation Biology*, **2017**, 31, 385-393	6	19

221	Assessing the suitability of diversity metrics to detect biodiversity change. *Biological Conservation*, **2017**, 213, 341-350	6.2	60
220	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	10.3	30
219	How to quantify biodiversity footprints of consumption? A review of multi-regional input–output analysis and life cycle assessment. *Current Opinion in Environmental Sustainability*, **2017**, 29, 75-81	7.2	24
218	The Challenges of Applying Planetary Boundaries as a Basis for Strategic Decision-Making in Companies with Global Supply Chains. *Sustainability*, **2017**, 9, 279	3.6	55
217	The relation between modeled odor exposure from livestock farming and odor annoyance among neighboring residents. *International Archives of Occupational and Environmental Health*, **2016**, 89, 521-30	3.2	11
216	Bridging the gap between impact assessment methods and climate science. *Environmental Science and Policy*, **2016**, 64, 129-140	6.2	52
215	An allometric approach to quantify the extinction vulnerability of birds and mammals. *Ecology*, **2016**, 97, 615-26	4.6	18
214	On the importance of trait interrelationships for understanding environmental responses of stream macroinvertebrates. *Freshwater Biology*, **2016**, 61, 181-194	3.1	37
213	Uncertainty and variability in human exposure limits - a chemical-specific approach for ciprofloxacin and methotrexate. *Critical Reviews in Toxicology*, **2016**, 46, 261-78	5.7	3
212	How Many Environmental Impact Indicators Are Needed in the Evaluation of Product Life Cycles?. *Environmental Science & Technology*, **2016**, 50, 3913-9	10.3	64
211	QSARs for estimating intrinsic hepatic clearance of organic chemicals in humans. *Environmental Toxicology and Pharmacology*, **2016**, 42, 190-7	5.8	11
210	Valuing the human health damage caused by the fraud of Volkswagen. *Environmental Pollution*, **2016**, 212, 121-127	9.3	58
209	Towards a meaningful assessment of marine ecological impacts in life cycle assessment (LCA). *Environment International*, **2016**, 89-90, 48-61	12.9	60
208	Removing nitrogen from wastewater with side stream anammox: What are the trade-offs between environmental impacts?. *Resources, Conservation and Recycling*, **2016**, 107, 212-219	11.9	45
207	Surplus Cost Potential as a Life Cycle Impact Indicator for Metal Extraction. *Resources*, **2016**, 5, 2	3.7	37
206	Contrasting changes in the abundance and diversity of North American bird assemblages from 1971 to 2010. *Global Change Biology*, **2016**, 22, 3948-3959	11.4	53
205	Global spatially explicit CO2 emission metrics for forest bioenergy. *Scientific Reports*, **2016**, 6, 20186	4.9	32
204	Regionalized life cycle impact assessment of air pollution on the global scale: Damage to human health and vegetation. *Atmospheric Environment*, **2016**, 134, 129-137	5.3	61

203	Spatial variability versus parameter uncertainty in freshwater fate and exposure factors of chemicals. *Chemosphere*, **2016**, 149, 101-7	8.4	7
202	The influence of uncertainty and location-specific conditions on the environmental prioritisation of human pharmaceuticals in Europe. *Environment International*, **2016**, 91, 301-11	12.9	9
201	Determinants of corporate environmental reporting: the importance of environmental performance and assurance. *Journal of Cleaner Production*, **2016**, 129, 724-734	10.3	120
200	Context-dependent environmental quality standards of soil nitrate for terrestrial plant communities. *Journal of Environmental Management*, **2016**, 181, 681-686	7.9	
199	Life cycle health impacts of polycyclic aromatic hydrocarbon for source-specific mixtures. *International Journal of Life Cycle Assessment*, **2015**, 20, 87-99	4.6	5
198	Introducing Life Cycle Impact Assessment. *LCA Compendium*, **2015**, 1-16		35
197	Harmonizing the assessment of biodiversity effects from land and water use within LCA. *Environmental Science & Technology*, **2015**, 49, 3584-92	10.3	45
196	Greenhouse-gas payback times for crop-based biofuels. *Nature Climate Change*, **2015**, 5, 604-610	21.4	38
195	How to assess species richness along single environmental gradients? Implications of potential versus realized species distributions. *Environmental Pollution*, **2015**, 200, 120-5	9.3	5
194	The utilisation of structural descriptors to predict metabolic constants of xenobiotics in mammals. *Environmental Toxicology and Pharmacology*, **2015**, 39, 247-58	5.8	14
193	Impacts of biogenic CO2 emissions on human health and terrestrial ecosystems: the case of increased wood extraction for bioenergy production on a global scale. *GCB Bioenergy*, **2015**, 7, 608-617	5.6	9
192	An Identification Key for Selecting Methods for Sustainability Assessments. *Sustainability*, **2015**, 7, 2490-2512	3.6	43
191	Calcifying species sensitivity distributions for ocean acidification. *Environmental Science & Technology*, **2015**, 49, 1495-500	10.3	33
190	Combined ecological risks of nitrogen and phosphorus in European freshwaters. *Environmental Pollution*, **2015**, 200, 85-92	9.3	36
189	Carcinogenic Air Toxics Exposure and Their Cancer-Related Health Impacts in the United States. *PLoS ONE*, **2015**, 10, e0140013	3.7	20
188	Acidification. *LCA Compendium*, **2015**, 163-176		3
187	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	4.6	38
186	The Blue Water Footprint of Primary Copper Production in Northern Chile. *Journal of Industrial Ecology*, **2014**, 18, 49-58	7.2	37

185	Scaling Relationships in Life Cycle Assessment. *Journal of Industrial Ecology*, **2014**, 18, 393-406	7.2	53
184	Unraveling the relationships between freshwater invertebrate assemblages and interacting environmental factors. *Freshwater Science*, **2014**, 33, 1148-1158	2	18
183	Including carrier-mediated transport in oral uptake prediction of nutrients and pharmaceuticals in humans. *Environmental Toxicology and Pharmacology*, **2014**, 38, 938-47	5.8	2
182	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, 270-6	10.2	49
181	Beyond safe operating space: finding chemical footprinting feasible. *Environmental Science & Technology*, **2014**, 48, 6057-9	10.3	31
180	Including exposure variability in the life cycle impact assessment of indoor chemical emissions: the case of metal degreasing. *Environment International*, **2014**, 71, 36-45	12.9	8
179	Impacts of river water consumption on aquatic biodiversity in life cycle assessment--a proposed method, and a case study for Europe. *Environmental Science & Technology*, **2014**, 48, 3236-44	10.3	31
178	How to address data gaps in life cycle inventories: a case study on estimating CO2 emissions from coal-fired electricity plants on a global scale. *Environmental Science & Technology*, **2014**, 48, 5282-9	10.3	23
177	Comparing responses of freshwater fish and invertebrate community integrity along multiple environmental gradients. *Ecological Indicators*, **2014**, 43, 215-226	5.8	33
176	A spatially explicit data-driven approach to assess the effect of agricultural land occupation on species groups. *International Journal of Life Cycle Assessment*, **2014**, 19, 758-769	4.6	25
175	Testing the coherence between occupational exposure limits for inhalation and their biological limit values with a generalized PBPK-model: the case of 2-propanol and acetone. *Regulatory Toxicology and Pharmacology*, **2014**, 69, 408-15	3.4	4
174	Elucidating differences in metal absorption efficiencies between terrestrial soft-bodied and aquatic species. *Chemosphere*, **2014**, 112, 487-95	8.4	13
173	The Bad Labor Footprint: Quantifying the Social Impacts of Globalization. *Sustainability*, **2014**, 6, 7514-7540	3.0	75
172	Mechanistically-based QSARs to describe metabolic constants in mammals. *ATLA Alternatives To Laboratory Animals*, **2014**, 42, 59-69	2.1	7
171	Toxicokinetic toxicodynamic (TKTD) modeling of Ag toxicity in freshwater organisms: whole-body sodium loss predicts acute mortality across aquatic species. *Environmental Science & Technology*, **2014**, 48, 14481-9	10.3	18
170	Deriving field-based species sensitivity distributions (f-SSDs) from stacked species distribution models (S-SDMs). *Environmental Science & Technology*, **2014**, 48, 14464-71	10.3	17
169	Chemical footprints: thin boundaries support environmental quality management. *Environmental Science & Technology*, **2014**, 48, 13025-6	10.3	5
168	Uncertainty and variability in the exposure reconstruction of chemical incidents--the case of acrylonitrile. *Toxicology Letters*, **2014**, 231, 337-43	4.4	6

167	Assessing predictive uncertainty in comparative toxicity potentials of triazoles. *Environmental Toxicology and Chemistry*, **2014**, 33, 293-301	3.8	5
166	How to quantify uncertainty and variability in life cycle assessment: the case of greenhouse gas emissions of gas power generation in the US. *Environmental Research Letters*, **2014**, 9, 074005	6.2	22
165	Environmental impact assessment of pharmaceutical prescriptions: Does location matter?. *Chemosphere*, **2014**, 115, 88-94	8.4	15
164	Environmental life cycle assessment of roof-integrated flexible amorphous silicon/nanocrystalline silicon solar cell laminate. *Progress in Photovoltaics: Research and Applications*, **2013**, 21, 802-815	6.8	29
163	Quantifying the trade-off between parameter and model structure uncertainty in life cycle impact assessment. *Environmental Science & Technology*, **2013**, 47, 9274-80	10.3	30
162	Exergy-based accounting for land as a natural resource in life cycle assessment. *International Journal of Life Cycle Assessment*, **2013**, 18, 939-947	4.6	92
161	Identifying best existing practice for characterization modeling in life cycle impact assessment. *International Journal of Life Cycle Assessment*, **2013**, 18, 683-697	4.6	429
160	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	4.6	26
159	Species richness–phosphorus relationships for lakes and streams worldwide. *Global Ecology and Biogeography*, **2013**, 22, 1304-1314	6.1	36
158	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, 13565-70	10.3	58
157	Modelling interactions of toxicants and density dependence in wildlife populations. *Journal of Applied Ecology*, **2013**, 50, 1469-1478	5.8	12
156	Sensitivity of species to chemicals: dose-response characteristics for various test types (LC(50), LR(50) and LD(50)) and modes of action. *Ecotoxicology and Environmental Safety*, **2013**, 97, 10-6	7	14
155	Making fate and exposure models for freshwater ecotoxicity in life cycle assessment suitable for organic acids and bases. *Chemosphere*, **2013**, 90, 312-7	8.4	14
154	Plant species sensitivity distributions for ozone exposure. *Environmental Pollution*, **2013**, 178, 1-6	9.3	25
153	Modelling bioaccumulation of oil constituents in aquatic species. *Marine Pollution Bulletin*, **2013**, 76, 178-86	6.7	14
152	Spatially explicit prioritization of human antibiotics and antineoplastics in Europe. *Environment International*, **2013**, 51, 13-26	12.9	37
151	Statistical uncertainty in hazardous terrestrial concentrations estimated with aquatic ecotoxicity data. *Chemosphere*, **2013**, 93, 366-72	8.4	4
150	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	10	65

149	Understanding quantitative structure-property relationships uncertainty in environmental fate modeling. *Environmental Toxicology and Chemistry*, **2013**, 32, 1069-76	3.8	10
148	Global assessment of the effects of terrestrial acidification on plant species richness. *Environmental Pollution*, **2013**, 174, 10-5	9.3	49
147	Predicting the oral uptake efficiency of chemicals in mammals: combining the hydrophilic and lipophilic range. *Toxicology and Applied Pharmacology*, **2013**, 266, 150-6	4.6	14
146	Including the introduction of exotic species in life cycle impact assessment: the case of inland shipping. *Environmental Science & Technology*, **2013**, 47, 13934-40	10.3	19
145	Addressing geographic variability in the comparative toxicity potential of copper and nickel in soils. *Environmental Science & Technology*, **2013**, 47, 3241-50	10.3	39
144	European characterization factors for damage to natural vegetation by ozone in life cycle impact assessment. *Atmospheric Environment*, **2013**, 77, 318-324	5.3	17
143	Comparing the impact of fine particulate matter emissions from industrial facilities and transport on the real age of a local community. *Atmospheric Environment*, **2013**, 73, 138-144	5.3	7
142	Size relationships of water inflow into lakes: Empirical regressions suggest geometric scaling. *Journal of Hydrology*, **2012**, 414-415, 482-490	6	11
141	Spatially-differentiated atmospheric source–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	5.3	40
140	Wind power electricity: the bigger the turbine, the greener the electricity?. *Environmental Science & Technology*, **2012**, 46, 4725-33	10.3	119
139	Assessing the Relative Importance of Spatial Variability in Emissions Versus Landscape Properties in Fate Models for Environmental Exposure Assessment of Chemicals. *Environmental Modeling and Assessment*, **2012**, 17, 577-587	2	7
138	Compound lipophilicity as a descriptor to predict binding affinity (1/K(m)) in mammals. *Environmental Science & Technology*, **2012**, 46, 5168-74	10.3	7
137	Average Damage Functions Are Not Emission-Rated Distance to Targets. *Environmental Science & Technology*, **2012**, 46, 569-569	10.3	1
136	Ore grade decrease as life cycle impact indicator for metal scarcity: the case of copper. *Environmental Science & Technology*, **2012**, 46, 12772-8	10.3	40
135	Separating uncertainty and physiological variability in human PBPK modelling: The example of 2-propanol and its metabolite acetone. *Toxicology Letters*, **2012**, 214, 154-65	4.4	14
134	Do interspecies correlation estimations increase the reliability of toxicity estimates for wildlife?. *Ecotoxicology and Environmental Safety*, **2012**, 80, 238-43	7	24
133	Comparing the ecological footprint with the biodiversity footprint of products. *Journal of Cleaner Production*, **2012**, 37, 107-114	10.3	25
132	Including ecotoxic impacts on warm-blooded predators in life cycle impact assessment. *Integrated Environmental Assessment and Management*, **2012**, 8, 372-8	2.5	9

131	Spatially explicit fate factors of phosphorous emissions to freshwater at the global scale. *International Journal of Life Cycle Assessment*, **2012**, 17, 646-654	4.6	82
130	Sensitivity of native and non-native mollusc species to changing river water temperature and salinity. *Biological Invasions*, **2012**, 14, 1187-1199	2.7	49
129	Nitrous oxide emissions from liquid biofuel production in life cycle assessment. *Current Opinion in Environmental Sustainability*, **2011**, 3, 432-437	7.2	12
128	Toward meaningful end points of biodiversity in life cycle assessment. *Environmental Science & Technology*, **2011**, 45, 70-9	10.3	148
127	Do we need a paradigm shift in life cycle impact assessment?. *Environmental Science & Technology*, **2011**, 45, 3833-4	10.3	58
126	Differences in sensitivity of native and exotic fish species to changes in river temperature. *Environmental Epigenetics*, **2011**, 57, 852-862	2.4	37
125	Value Choices in Life Cycle Impact Assessment of Stressors Causing Human Health Damage. *Journal of Industrial Ecology*, **2011**, 15, 796-815	7.2	40
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