USEtoxâ€"the UNEP-SETAC toxicity model: recommen human toxicity and freshwater ecotoxicity in life cycle i

International Journal of Life Cycle Assessment

13, 532-546

DOI: 10.1007/s11367-008-0038-4

Citation Report

#	Article	IF	CITATIONS
6	Evaluating Indoor Exposure Modeling Alternatives for LCA: A Case Study in the Vehicle Repair Industry. Environmental Science & Technology, 2009, 43, 5804-5810.	10.0	31
7	Assessing regional intake fractions in North America. Science of the Total Environment, 2009, 407, 4812-4820.	8.0	46
8	Recent developments in Life Cycle Assessment. Journal of Environmental Management, 2009, 91, 1-21.	7.8	2,163
9	USES-LCA 2.0—a global nested multi-media fate, exposure, and effects model. International Journal of Life Cycle Assessment, 2009, 14, 282-284.	4.7	131
10	Enzymes for pharmaceutical applications—a cradle-to-gate life cycle assessment. International Journal of Life Cycle Assessment, 2009, 14, 392-400.	4.7	72
11	Comparing the Environmental Footprints of Home-Care and Personal-Hygiene Products: The Relevance of Different Life-Cycle Phases. Environmental Science & Technology, 2009, 43, 8643-8651.	10.0	32
12	Integrating Human Indoor Air Pollutant Exposure within Life Cycle Impact Assessment. Environmental Science & Technology, 2009, 43, 1670-1679.	10.0	116
15	LCA in Waste Management: Introduction to Principle and Method. , 0, , 111-136.		9
16	Assessment of the impact on human health of industrial emissions to air: Does the result depend on the applied method?. Journal of Hazardous Materials, 2010, 184, 788-797.	12.4	23
17	Life cycle impact assessment research developments and needs. Clean Technologies and Environmental Policy, 2010, 12, 341-351.	4.1	87
19	Life cycle assessment of soil and groundwater remediation technologies: literature review. International Journal of Life Cycle Assessment, 2010, 15, 115-127.	4.7	91
20	The clearwater consensus: the estimation of metal hazard in fresh water. International Journal of Life Cycle Assessment, 2010, 15, 143-147.	4.7	48
21	Life cycle assessment of fine chemical production: a case study of pharmaceutical synthesis. International Journal of Life Cycle Assessment, 2010, 15, 294-303.	4.7	141
22	Production and energetic utilization of wood from short rotation coppice—a life cycle assessment. International Journal of Life Cycle Assessment, 2010, 15, 567-578.	4.7	59
23	GLOBOX: A spatially differentiated global fate, intake and effect model for toxicity assessment in LCA. Science of the Total Environment, 2010, 408, 2817-2832.	8.0	49
24	Development of normalization factors for Canada and the United States and comparison with European factors. Science of the Total Environment, 2010, 409, 33-42.	8.0	66
25	Comparative environmental impacts of glyphosate and conventional herbicides when used with glyphosate-tolerant and non-tolerant crops. Environmental Pollution, 2010, 158, 3172-3178.	7.5	34
26	Is it only CO2 that matters? A life cycle perspective on shallow geothermal systems. Renewable and Sustainable Energy Reviews, 2010, 14, 1798-1813.	16.4	191

#	Article	IF	CITATIONS
27	Risk-based economic decision analysis of remediation options at a PCE-contaminated site. Journal of Environmental Management, 2010, 91, 1169-1182.	7.8	34
28	Human health and ecological toxicity potentials due to heavy metal content in waste electronic devices with flat panel displays. Journal of Hazardous Materials, 2010, 177, 251-259.	12.4	156
29	Quantity-based and toxicity-based evaluation of the U.S. Toxics Release Inventory. Journal of Hazardous Materials, 2010, 178, 49-56.	12.4	29
30	Carbon footprint as environmental performance indicator for the manufacturing industry. CIRP Annals - Manufacturing Technology, 2010, 59, 37-40.	3.6	109
31	Estimating farfield organic chemical exposures, intake rates and intake fractions to human age classes. Environmental Modelling and Software, 2010, 25, 1166-1175.	4.5	5
32	Integrated Environmental Assessment, Part IV. Journal of Industrial Ecology, 2010, 14, 188-191.	5.5	2
33	Challenges in assessing the environmental impacts of crop production and horticulture. , 2010, , 98-116.		6
34	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.	10.0	71
35	Spatial Variability of Intake Fractions for Canadian Emission Scenarios: A Comparison between Three Resolution Scales. Environmental Science & Technology, 2010, 44, 4217-4224.	10.0	20
36	Environmental Impacts of Remediation of a Trichloroethene-Contaminated Site: Life Cycle Assessment of Remediation Alternatives. Environmental Science & amp; Technology, 2010, 44, 9163-9169.	10.0	94
37	Transformation Products in the Life Cycle Impact Assessment of Chemicals. Environmental Science & Technology, 2010, 44, 1004-1009.	10.0	40
38	Towards an understanding of the link between environmental emissions and human body burdens of PCBs using CoZMoMAN. Environment International, 2010, 36, 85-91.	10.0	51
39	ERICA: A multiparametric toxicological risk index for the assessment of environmental healthiness. Environment International, 2010, 36, 665-674.	10.0	15
40	The State of Multimedia Mass-Balance Modeling in Environmental Science and Decision-Making. Environmental Science & Technology, 2010, 44, 8360-8364.	10.0	100
41	Enabling dynamic life cycle assessment of buildings with wireless sensor networks. , 2011, , .		10
42	Additives in the Plastics Industry. Handbook of Environmental Chemistry, 2011, , 133-149.	0.4	6
43	Intake Fraction for Particulate Matter: Recommendations for Life Cycle Impact Assessment. Environmental Science & Technology, 2011, 45, 4808-4816.	10.0	132
44	Use of Life Cycle Assessments To Evaluate the Environmental Footprint of Contaminated Sediment Remediation. Environmental Science & amp; Technology, 2011, 45, 4235-4241.	10.0	91

#	Article	IF	CITATIONS
45	Dynamic Multicrop Model to Characterize Impacts of Pesticides in Food. Environmental Science & Technology, 2011, 45, 8842-8849.	10.0	104
46	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.	10.0	61
47	Toward Meaningful End Points of Biodiversity in Life Cycle Assessment. Environmental Science & Technology, 2011, 45, 70-79.	10.0	173
48	Life Cycle Assessment: Past, Present, and Future. Environmental Science & Technology, 2011, 45, 90-96.	10.0	1,090
49	How to assess exposure of aquatic organisms to manufactured nanoparticles?. Environment International, 2011, 37, 1068-1077.	10.0	118
50	Unit process impact assessment for discrete part manufacturing: A state of the art. CIRP Journal of Manufacturing Science and Technology, 2011, 4, 129-135.	4.5	59
51	Global Life Cycle Impacts of Consumer Products. , 2011, , 1002-1014.		6
52	Monetary Valuation of Trace Pollutants. , 2011, , 856-869.		2
53	Innovative and Integrated Technologies for the Treatment of Industrial Wastewater (INNOWATECH). Water Intelligence Online, 2011, 10, 9781780400785.	0.3	3
54	The Environmental Importance of Energy Use in Chemical Production. Journal of Industrial Ecology, 2011, 15, 96-107.	5.5	39
55	Ecovalue08–A new valuation set for environmental systems analysis tools. Journal of Cleaner Production, 2011, 19, 1994-2003.	9.3	71
56	Exposure-based prioritization of chemicals for risk assessment. Environmental Science and Policy, 2011, 14, 950-964.	4.9	60
57	Implications of geographic variability on Comparative Toxicity Potentials of Cu, Ni and Zn in freshwaters of Canadian ecoregions. Chemosphere, 2011, 82, 268-277.	8.2	31
58	Life cycle toxicity assessment of pesticides used in integrated and organic production of oranges in the Comunidad Valenciana, Spain. Chemosphere, 2011, 82, 956-962.	8.2	32
59	TRACI 2.0: the tool for the reduction and assessment of chemical and other environmental impacts 2.0. Clean Technologies and Environmental Policy, 2011, 13, 687-696.	4.1	515
60	Priority screening of toxic chemicals and industry sectors in the U.S. toxics release inventory: A comparison of the life cycle impact-based and risk-based assessment tools developed by U.S. EPA. Journal of Environmental Management, 2011, 92, 2235-2240.	7.8	18
61	Classification of chemicals into emission-based impact categories: a first approach for equiprobable and site-specific conceptual frames. International Journal of Life Cycle Assessment, 2011, 16, 148-158.	4.7	4
62	Simplified fate modelling in respect to ecotoxicological and human toxicological characterisation of emissions of chemical compounds. International Journal of Life Cycle Assessment, 2011, 16, 739-747.	4.7	15

#	Article	IF	CITATIONS
63	Normalization references for Europe and North America for application with USEtoxâ,,¢ characterization factors. International Journal of Life Cycle Assessment, 2011, 16, 728-738.	4.7	44
64	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.	4.7	164
65	Comparing priority setting in integrated hazardous substance assessment and in life cycle impact assessment. International Journal of Life Cycle Assessment, 2011, 16, 788-794.	4.7	16
66	Environmental product development: replacement of an epoxy-based coating by a polyester-based coating. International Journal of Life Cycle Assessment, 2011, 16, 819-828.	4.7	3
67	Addressing speciation in the effect factor for characterisation of freshwater ecotoxicity—the case of copper. International Journal of Life Cycle Assessment, 2011, 16, 761-773.	4.7	8
68	Spatial differentiation of chemical removal rates from air in life cycle impact assessment. International Journal of Life Cycle Assessment, 2011, 16, 748-760.	4.7	12
69	Comparing chemical environmental scores using USEtoxâ,,¢ and CDV from the European Ecolabel. International Journal of Life Cycle Assessment, 2011, 16, 795-802.	4.7	9
70	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.	4.7	180
71	Implications of considering metal bioavailability in estimates of freshwater ecotoxicity: examination of two case studies. International Journal of Life Cycle Assessment, 2011, 16, 774.	4.7	48
72	Ecotoxicity impact assessment of laundry products: a comparison of USEtox and critical dilution volume approaches. International Journal of Life Cycle Assessment, 2011, 16, 803-818.	4.7	19
73	USEtox relevance as an impact indicator for automotive fuels. Application on diesel fuel, gasoline and hard coal electricity. International Journal of Life Cycle Assessment, 2011, 16, 829-840.	4.7	8
74	A bright future for addressing chemical emissions in life cycle assessment. International Journal of Life Cycle Assessment, 2011, 16, 697.	4.7	25
75	Assessing freshwater ecotoxicity of agricultural products in life cycle assessment (LCA): a case study of wheat using French agricultural practices databases and USEtox model. International Journal of Life Cycle Assessment, 2011, 16, 841-847.	4.7	49
76	Life cycle assessment of intensive striped catfish farming in the Mekong Delta for screening hotspots as input to environmental policy and research agenda. International Journal of Life Cycle Assessment, 2011, 16, 903.	4.7	64
77	A conceptual model outline for integrated exposure assessment of waste disposal sites. Environmental Progress and Sustainable Energy, 2011, 30, 696-708.	2.3	6
78	Method development for aquatic ecotoxicological characterization factor calculation for hydrocarbon mixtures in life cycle assessment. Environmental Toxicology and Chemistry, 2011, 30, 2342-2352.	4.3	8
79	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.	2.9	38
80	Impacts of "metals―on human health: a comparison between nine different methodologies for Life Cycle Impact Assessment (LCIA). Journal of Cleaner Production, 2011, 19, 646-656.	9.3	125

#	Article	IF	CITATIONS
81	Eco-toxicological impact of "metals―on the aquatic and terrestrial ecosystem: A comparison between eight different methodologies for Life Cycle Impact Assessment (LCIA). Journal of Cleaner Production, 2011, 19, 687-698.	9.3	84
82	An occupational chemical priority list for future life cycle assessments. Journal of Cleaner Production, 2011, 19, 1339-1346.	9.3	13
83	LCA and economic evaluation of landfill leachate and gas technologies. Waste Management, 2011, 31, 1532-1541.	7.4	77
84	Environmental Impacts of <i>Jatropha curcas</i> Biodiesel in India. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-10.	3.0	34
86	Human and Environmental Impact Produced by E-Waste Releases at Guiyu Region (China). Handbook of Environmental Chemistry, 2012, , 349-384.	0.4	2
88	Human health and ecotoxicological considerations in materials selection for sustainable product development. MRS Bulletin, 2012, 37, 356-363.	3.5	20
89	LCA Case Study Cushion Vinyl Floor Covering and DEHP. Handbook of Environmental Chemistry, 2012, , 223-243.	0.4	1
90	Life Cycle Inventory and Carbon and Water FoodPrint of Fruits and Vegetables: Application to a Swiss Retailer. Environmental Science & Technology, 2012, 46, 3253-3262.	10.0	196
91	LCA of a tomato crop in a multi-tunnel greenhouse in Almeria. International Journal of Life Cycle Assessment, 2012, 17, 863-875.	4.7	150
92	Is it better to remove pharmaceuticals in decentralized or conventional wastewater treatment plants? A life cycle assessment comparison. Science of the Total Environment, 2012, 438, 533-540.	8.0	67
93	Limitations of Carbon Footprint as Indicator of Environmental Sustainability. Environmental Science & Technology, 2012, 46, 4100-4108.	10.0	284
94	LCA data quality: Sensitivity and uncertainty analysis. Science of the Total Environment, 2012, 435-436, 230-243.	8.0	192
95	Environmental optimization of continuous flow ozonation for urban wastewater reclamation. Science of the Total Environment, 2012, 437, 68-75.	8.0	18
96	Life cycle assessment of fresh pineapple from Costa Rica. Journal of Cleaner Production, 2012, 35, 152-163.	9.3	79
102	Health impact and damage cost assessment of pesticides in Europe. Environment International, 2012, 49, 9-17.	10.0	183
103	Sustainability Indicators for Chemical Processes: II. Data Needs. Industrial & Engineering Chemistry Research, 2012, 51, 2329-2353.	3.7	78
104	PestLCI 2.0: a second generation model for estimating emissions of pesticides from arable land in LCA. International Journal of Life Cycle Assessment, 2012, 17, 973-986.	4.7	120
105	Is there an environmental benefit from remediation of a contaminated site? Combined assessments of the risk reduction and life cycle impact of remediation. Journal of Environmental Management, 2012, 112, 392-403.	7.8	38

#	Article	IF	Citations
106	Life Cycle Assessment Based Evaluation of Regional Impacts from Agricultural Production at the Peruvian Coast. Environmental Science & Technology, 2012, 46, 9872-9880.	10.0	26
107	Prioritization of chemicals in the aquatic environment based on risk assessment: Analytical, modeling and regulatory perspective. Science of the Total Environment, 2012, 440, 236-252.	8.0	99
108	New Perspectives on Nanomaterial Aquatic Ecotoxicity: Production Impacts Exceed Direct Exposure Impacts for Carbon Nanotoubes. Environmental Science & Technology, 2012, 46, 2902-2910.	10.0	152
109	Increasing Cropping System Diversity Balances Productivity, Profitability and Environmental Health. PLoS ONE, 2012, 7, e47149.	2.5	410
110	International harmonization of models for selecting less toxic chemical alternatives: Effect of regulatory disparities in the United States and Europe. Integrated Environmental Assessment and Management, 2012, 8, 723-730.	2.9	9
111	Evaluating the relevance of seasonal differentiation of human health intake fractions in life cycle assessment. Integrated Environmental Assessment and Management, 2012, 8, 749-759.	2.9	5
112	Including ecotoxic impacts on warmâ€blooded predators in life cycle impact assessment. Integrated Environmental Assessment and Management, 2012, 8, 372-378.	2.9	9
113	Analysis of current research addressing complementary use of life-cycle assessment and risk assessment for engineered nanomaterials: have lessons been learned from previous experience with chemicals?. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	58
114	Finding Life Cycle Assessment Research Direction with the Aid of Metaâ€Analysis. Journal of Industrial Ecology, 2012, 16, S39.	5.5	41
115	Life cycle assessment of engineered nanomaterials: State of the art and strategies to overcome existing gaps. Science of the Total Environment, 2012, 425, 271-282.	8.0	191
116	Environmental and eco-costs life cycle assessment of an acrylonitrile process by capacity enlargement in Mexico. Chemical Engineering Research and Design, 2012, 90, 27-37.	5.6	13
117	Joint life cycle assessment and data envelopment analysis of grape production for vinification in the RÃas Baixas appellation (NW Spain). Journal of Cleaner Production, 2012, 27, 92-102.	9.3	172
118	On process optimization considering LCA methodology. Journal of Environmental Management, 2012, 96, 43-54.	7.8	138
119	Environmental analysis of Ribeiro wine from a timeline perspective: Harvest year matters when reporting environmental impacts. Journal of Environmental Management, 2012, 98, 73-83.	7.8	100
120	REACH and LCA—methodological approaches and challenges. International Journal of Life Cycle Assessment, 2012, 17, 43-57.	4.7	24
121	Characterisation framework development for the SIMPASS (Singapore IMPact ASSessment) methodology. International Journal of Life Cycle Assessment, 2012, 17, 89-95.	4.7	6
122	Life cycle assessment at nanoscale: review and recommendations. International Journal of Life Cycle Assessment, 2012, 17, 295-303.	4.7	98
123	An environmental impact calculator for greenhouse production systems. Journal of Environmental Management, 2013, 118, 186-195.	7.8	37

#	Article	IF	CITATIONS
124	Compost benefits for agriculture evaluated by life cycle assessment. A review. Agronomy for Sustainable Development, 2013, 33, 721-732.	5.3	171
125	Life Cycle Assessment of landfill biogas management: Sensitivity to diffuse and combustion air emissions. Waste Management, 2013, 33, 401-411.	7.4	54
126	Potential Environmental Impacts from the Metals in Incandescent, Compact Fluorescent Lamp (CFL), and Light-Emitting Diode (LED) Bulbs. Environmental Science & Technology, 2013, 47, 1040-1047.	10.0	120
127	What Scientific Issues in Life Cycle Assessment Applied to Waste and Biomass Valorization? Editorial. Waste and Biomass Valorization, 2013, 4, 377-383.	3.4	6
128	Quantifying the Trade-off between Parameter and Model Structure Uncertainty in Life Cycle Impact Assessment. Environmental Science & Technology, 2013, 47, 9274-9280.	10.0	33
129	Life cycle assessment applied to wastewater treatment: State of the art. Water Research, 2013, 47, 5480-5492.	11.3	436
130	Quantifying Area Changes of Internationally Important Wetlands Due to Water Consumption in LCA. Environmental Science & Technology, 2013, 47, 9799-9807.	10.0	54
131	Life cycle assessment of a biobased chainsaw oil made on the farm in Wallonia. International Journal of Life Cycle Assessment, 2013, 18, 1485-1501.	4.7	6
132	Indicator selection in life cycle assessment to enable decision making: issues and solutions. International Journal of Life Cycle Assessment, 2013, 18, 1568-1580.	4.7	44
133	Life cycle assessment of medium density particleboard (MDP) produced in Brazil. International Journal of Life Cycle Assessment, 2013, 18, 1404-1411.	4.7	77
134	Life Cycle Impact Assessment—where we are, trends, and next steps: a late report from a UNEP/SETAC Life Cycle Initiative workshop and a few updates from recent developments. International Journal of Life Cycle Assessment, 2013, 18, 1413-1420.	4.7	21
135	Integrating human health impact from indoor emissions into an LCA: a case study evaluating the significance of the use stage. International Journal of Life Cycle Assessment, 2013, 18, 636-646.	4.7	27
136	Identifying best existing practice for characterization modeling in life cycle impact assessment. International Journal of Life Cycle Assessment, 2013, 18, 683-697.	4.7	515
138	Material Resources, Energy, and Nutrient Recovery from Waste: Are Waste Refineries the Solution for the Future?. Environmental Science & amp; Technology, 2013, 47, 130725155216007.	10.0	23
142	Comparison of modeling approaches to prioritize chemicals based on estimates of exposure and exposure potential. Science of the Total Environment, 2013, 458-460, 555-567.	8.0	49
143	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.	10.0	67
144	A novel approach for environmental evaluation of landfill mining. Journal of Cleaner Production, 2013, 55, 24-34.	9.3	81
145	Modelling approaches for consequential life-cycle assessment (C-LCA) of bioenergy: Critical review and proposed framework for biogas production. Renewable and Sustainable Energy Reviews, 2013, 25, 768-781.	16.4	90

		CITATION REPORT		
#	Article		IF	Citations
146	Influence of different practices on biogas sustainability. Biomass and Bioenergy, 2013,	53, 149-161.	5.7	121
147	Environmental assessment of different biofilters for the treatment of gaseous streams Environmental Management, 2013, 129, 463-470.	. Journal of	7.8	13
148	Making fate and exposure models for freshwater ecotoxicity in life cycle assessment su organic acids and bases. Chemosphere, 2013, 90, 312-317.	uitable for	8.2	16
149	Linking Material Flow Analysis with Environmental Impact Potential. Journal of Industria 2013, 17, 299-309.	al Ecology,	5.5	25
150	Accounting for greenhouse gas emissions from the degradation of chemicals in the en International Journal of Life Cycle Assessment, 2013, 18, 252-262.	vironment.	4.7	22
151	Potential for optimized production and use of rapeseed biodiesel. Based on a compreh LCA case study in Denmark with multiple pathways. International Journal of Life Cycle , 2013, 18, 418-430.	ensive real-time Assessment,	4.7	19
152	Comment on the editorial note by Baitz et XXI aliis. International Journal of Life Cycle A 2013, 18, 14-16.	Assessment,	4.7	4
153	Critical aspects in the life cycle assessment (LCA) of bio-based materials – Reviewing and deriving recommendations. Resources, Conservation and Recycling, 2013, 73, 211	methodologies 1-228.	10.8	213
154	Life cycle assessment of a microalgae biomass cultivation, bio-oil extraction and pyroly regime. Algal Research, 2013, 2, 299-311.	isis processing	4.6	99
155	Multimedia fate modeling and comparative impact on freshwater ecosystems of pharn biosolids-amended soils. Chemosphere, 2013, 93, 252-262.	naceuticals from	8.2	21
156	Vanillin, a potential carrier for low temperature dyeing of polyester fabrics. Journal of C Production, 2013, 43, 20-26.	leaner	9.3	43
157	Accounting for the dissociating properties of organic chemicals in LCIA: An uncertainty applied to micropollutants in the assessment of freshwater ecotoxicity. Journal of Haza Materials, 2013, 248-249, 461-468.	v analysis ardous	12.4	11
158	Limitations of applying life cycle assessment to complex co-product systems: The case precious metals smelter-refinery. Resources, Conservation and Recycling, 2013, 80, 85	of an integrated 9-96.	10.8	23
159	Statistical uncertainty in hazardous terrestrial concentrations estimated with aquatic e data. Chemosphere, 2013, 93, 366-372.	ecotoxicity	8.2	6
160	Life cycle assessment of fisheries: A review for fisheries scientists and managers. Fisher 2013, 143, 21-38.	ries Research,	1.7	115
161	Life cycle freshwater ecotoxicity, human health cancer, and noncancer impacts of corn gasoline in the U.S Journal of Cleaner Production, 2013, 53, 149-157.	ethanol and	9.3	29
162	Indoor environmental quality in a dynamic life cycle assessment framework for whole b Focus on human health chemical impacts. Building and Environment, 2013, 62, 182-19	ouildings: 90.	6.9	51
164	Biodiversity Impacts from Salinity Increase in a Coastal Wetland. Environmental Science Technology, 2013, 47, 6384-6392.	te &	10.0	42

#	Article	IF	CITATIONS
165	Life-Cycle Environmental Impacts of Biofuels and Co-products. , 2013, , 471-499.		3
166	Life ycle Assessment of Ammunition Demilitarization in a Static Kiln. Propellants, Explosives, Pyrotechnics, 2013, 38, 296-302.	1.6	12
167	Developing an indicator for the chronic health impact of traffic-related pollutant emissions. Environmental Impact Assessment Review, 2013, 38, 35-43.	9.2	5
168	Eco-design of buildings using thermal simulation and life cycle assessment. Journal of Cleaner Production, 2013, 39, 73-78.	9.3	89
169	Addressing Geographic Variability in the Comparative Toxicity Potential of Copper and Nickel in Soils. Environmental Science & Technology, 2013, 47, 3241-3250.	10.0	49
170	European characterization factors for damage to natural vegetation by ozone in life cycle impact assessment. Atmospheric Environment, 2013, 77, 318-324.	4.1	19
171	High-Throughput Models for Exposure-Based Chemical Prioritization in the ExpoCast Project. Environmental Science & Technology, 2013, 47, 130711145716006.	10.0	132
172	Chemical footprint: A methodological framework for bridging life cycle assessment and planetary boundaries for chemical pollution. Integrated Environmental Assessment and Management, 2013, 9, 623-632.	2.9	70
173	Optimizing the Environmental Performance of In Situ Thermal Remediation Technologies Using Life Cycle Assessment. Ground Water Monitoring and Remediation, 2013, 33, 38-51.	0.8	13
174	Life cycle assessment of bioethanolâ€based <scp>PVC</scp> . Biofuels, Bioproducts and Biorefining, 2013, 7, 386-395.	3.7	37
175	Life cycle assessment of bioethanolâ€based <scp>PVC</scp> . Biofuels, Bioproducts and Biorefining, 2013, 7, 396-405.	3.7	26
176	Community Engagement and Environmental Life Cycle Assessment of KaikÅura's Biosolid Reuse Options. Sustainability, 2013, 5, 242-255.	3.2	8
177	Life Cycle Assessment of Metals: A Scientific Synthesis. PLoS ONE, 2014, 9, e101298.	2.5	425
179	Life Cycle Assessment. , 2014, , 74-77.		12
180	Environmental Due Diligence of CO2 Capture and Utilization Technologies – Framework and application. Energy Procedia, 2014, 63, 7429-7436.	1.8	7
181	Influence of Management Practices on Economic and Environmental Performance of Crops. A Case Study in Spanish Horticulture. Agroecology and Sustainable Food Systems, 2014, 38, 635-659.	1.9	12
182	Including Indoor Offgassed Emissions in the Life Cycle Inventories of Wood Products. Environmental Science & Technology, 2014, 48, 14607-14614.	10.0	37
183	Chemical Footprint Method for Improved Communication of Freshwater Ecotoxicity Impacts in the Context of Ecological Limits. Environmental Science & amp; Technology, 2014, 48, 13253-13262.	10.0	55

#	Article	IF	CITATIONS
184	New Perspective on Computer Aided Molecular Design. Computer Aided Chemical Engineering, 2014, , 369-374.	0.5	6
185	A life cycle assessment of packaging options for contrast media delivery: comparing polymer bottle vs. glass bottle. International Journal of Life Cycle Assessment, 2014, 19, 1965-1973.	4.7	30
186	Assessing predictive uncertainty in comparative toxicity potentials of triazoles. Environmental Toxicology and Chemistry, 2014, 33, 293-301.	4.3	5
187	Advances in Pesticide Risk Reduction. , 2014, , 17-34.		7
188	Alternative fuels from forest residues for passenger cars - an assessment under German framework conditions. Energy, Sustainability and Society, 2014, 4, .	3.8	5
189	From a literature review to a framework for environmental process impact assessment index. Journal of Cleaner Production, 2014, 64, 36-62.	9.3	80
190	Ecodesign of PVC packing tape using life cycle assessment. International Journal of Life Cycle Assessment, 2014, 19, 218-230.	4.7	15
191	Framework for LCI modelling of releases of manufactured nanomaterials along their life cycle. International Journal of Life Cycle Assessment, 2014, 19, 838-849.	4.7	23
192	Development of impact assessment methodologies for environmental sustainability. Clean Technologies and Environmental Policy, 2014, 16, 681-690.	4.1	38
193	Assessment of greenhouse gas emissions from coal and natural gas thermal power plants using life cycle approach. International Journal of Environmental Science and Technology, 2014, 11, 1157-1164.	3.5	60
194	An LCA model for waste incineration enhanced with new technologies for metal recovery and application to the case of Switzerland. Waste Management, 2014, 34, 378-389.	7.4	98
195	A critical view on scientific consensus building in life cycle impact assessment. International Journal of Life Cycle Assessment, 2014, 19, 477-479.	4.7	17
196	A methodological improvement for assessing petrochemical projects through life cycle assessment and eco-costs. International Journal of Life Cycle Assessment, 2014, 19, 517-531.	4.7	3
198	Product environmental footprint—breakthrough or breakdown for policy implementation of life cycle assessment?. International Journal of Life Cycle Assessment, 2014, 19, 266-271.	4.7	95
199	Updated US and Canadian normalization factors for TRACI 2.1. Clean Technologies and Environmental Policy, 2014, 16, 329-339.	4.1	122
200	Review of LCA studies of solid waste management systems – Part II: Methodological guidance for a better practice. Waste Management, 2014, 34, 589-606.	7.4	326
201	Indoor Exposure to Toluene from Printed Matter <i>Matters:</i> Complementary Views from Life Cycle Assessment and Risk Assessment. Environmental Science & Technology, 2014, 48, 689-697.	10.0	37
202	Influence of data collection schemes on the Life Cycle Assessment of a municipal wastewater treatment plant. Water Research, 2014, 56, 292-303.	11.3	139

#	Article	IF	CITATIONS
203	Comparative life cycle assessment of wastewater treatment in Denmark including sensitivity and uncertainty analysis. Journal of Cleaner Production, 2014, 68, 25-35.	9.3	164
204	IMPACT 2002+, ReCiPe 2008 and ILCD's recommended practice for characterization modelling in life cycle impact assessment: a case study-based comparison. International Journal of Life Cycle Assessment, 2014, 19, 1007-1021.	4.7	107
205	Impacts of NMVOC emissions on human health in European countries for 2000–2010: Use of sector-specific substance profiles. Atmospheric Environment, 2014, 85, 247-255.	4.1	48
207	Life cycle assessment of engineered nanomaterials. , 2014, , 112-129.		4
208	Life-cycle assessment of engineered nanomaterials: a literature review of assessment status. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	76
209	Including the environmental criteria when selecting a wastewater treatment plant. Environmental Modelling and Software, 2014, 56, 74-82.	4.5	57
210	Do wood-based panels made with agro-industrial residues provide environmentally benign alternatives? An LCA case study of sugarcane bagasse addition to particle board manufacturing. International Journal of Life Cycle Assessment, 2014, 19, 1767-1778.	4.7	38
211	Life Cycle Assessment of "Green―Nanoparticle Synthesis Methods. Environmental Engineering Science, 2014, 31, 410-420.	1.6	50
212	Evaluating the Environmental Impacts of a Nano-Enhanced Field Emission Display Using Life Cycle Assessment: A Screening-Level Study. Environmental Science & Technology, 2014, 48, 1194-1205.	10.0	12
213	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.	8.0	73
214	Integrating algaculture into small wastewater treatment plants: process flow options and life cycle impacts. Environmental Sciences: Processes and Impacts, 2014, 16, 1387-1399.	3.5	8
215	Development of a dynamic LCA approach for the freshwater ecotoxicity impact of metals and application to a case study regarding zinc fertilization. International Journal of Life Cycle Assessment, 2014, 19, 1745-1754.	4.7	27
216	Prospective Life Cycle Assessment of Graphene Production by Ultrasonication and Chemical Reduction. Environmental Science & Technology, 2014, 48, 4529-4536.	10.0	132
217	Productivity metrics in dynamic LCA for whole buildings: Using a post-occupancy evaluation of energy and indoor environmental quality tradeoffs. Building and Environment, 2014, 82, 339-348.	6.9	49
218	Modeling Potential Freshwater Ecotoxicity Impacts Due to Pesticide Use in Biofuel Feedstock Production: The Cases of Maize, Rapeseed, <i>Salix</i> , Soybean, Sugar Cane, and Wheat. Environmental Science & Technology, 2014, 48, 11379-11388.	10.0	43
219	Holistic assessment of a secondary water supply for a new development in Copenhagen, Denmark. Science of the Total Environment, 2014, 497-498, 430-439.	8.0	26
220	Multi-objective optimization of waste and resource management in industrial networks – Part II: Model application to the treatment of sewage sludge. Resources, Conservation and Recycling, 2014, 89, 41-51.	10.8	40
221	An environmental assessment system for environmental technologies. Environmental Modelling and Software, 2014, 60, 18-30.	4.5	202

#	Article	IF	Citations
222	Including exposure variability in the life cycle impact assessment of indoor chemical emissions: The case of metal degreasing. Environment International, 2014, 71, 36-45.	10.0	10
223	Environmental impacts of future low-carbon electricity systems: Detailed life cycle assessment of a Danish case study. Applied Energy, 2014, 132, 66-73.	10.1	55
224	Sustainability of meat production beyond carbon footprint: a synthesis of case studies from grazing systems in Uruguay. Meat Science, 2014, 98, 346-354.	5.5	78
225	Life cycle assessment of Indian silk. Journal of Cleaner Production, 2014, 81, 158-167.	9.3	45
226	Building and Characterizing Regional and Global Emission Inventories of Toxic Pollutants. Environmental Science & Technology, 2014, 48, 5674-5682.	10.0	19
227	Life cycle assessments of urban water systems: A comparative analysis of selected peer-reviewed literature. Water Research, 2014, 67, 187-202.	11.3	154
228	PPCPs in wastewater – Update and calculation of characterization factors for their inclusion in LCA studies. Journal of Cleaner Production, 2014, 83, 245-255.	9.3	53
229	A bibliometric investigation of life cycle assessment research in the web of science databases. International Journal of Life Cycle Assessment, 2014, 19, 1674-1685.	4.7	61
230	Development of Comparative Toxicity Potentials of 14 cationic metals in freshwater. Chemosphere, 2014, 112, 26-33.	8.2	44
231	Human and ecotoxicological impacts assessment from the Mexican oil industry in the Coatzacoalcos region, as revealed by the USEtoxâ,,¢ model. Environmental Science and Pollution Research, 2014, 21, 9819-9831.	5.3	8
232	Life cycle assessment for emerging materials: case study of a garden bed constructed from lumber produced with three different copper treatments. International Journal of Life Cycle Assessment, 2014, 19, 1345-1355.	4.7	10
234	Waste management in the Irkutsk Region, Siberia, Russia: Environmental assessment of current practice focusing on landfilling. Waste Management and Research, 2014, 32, 389-396.	3.9	23
235	Including Pathogen Risk in Life Cycle Assessment of Wastewater Management. 2. Quantitative Comparison of Pathogen Risk to Other Impacts on Human Health. Environmental Science & Technology, 2014, 48, 9446-9453.	10.0	46
236	Life Cycle Assessment of Domestic and Agricultural Rainwater Harvesting Systems. Environmental Science & Technology, 2014, 48, 4069-4077.	10.0	66
237	Using a hybrid LCA method to evaluate the sustainability of sediment remediation at the London Olympic Park. Journal of Cleaner Production, 2014, 83, 87-95.	9.3	86
238	Life Cycle Assessment of water treatment: what is the contribution of infrastructure and operation at unit process level?. Journal of Cleaner Production, 2014, 65, 424-431.	9.3	51
239	Development of USEtox characterisation factors for dishwasher detergents using data made available under REACH. Chemosphere, 2014, 100, 160-166.	8.2	21
240	Bridging the gap between life cycle inventory and impact assessment for toxicological assessments of pesticides used in crop production. Chemosphere, 2014, 100, 175-181.	8.2	34

#	Article	IF	CITATIONS
241	Spatial analysis of toxic emissions in LCA: A sub-continental nested USEtox model with freshwater archetypes. Environment International, 2014, 69, 67-89.	10.0	52
242	Communicating the environmental impact of meat production: challenges in the development of a Swedish meat guide. Journal of Cleaner Production, 2014, 73, 154-164.	9.3	53
243	Life cycle assessment of caustic soda production: a case study in China. Journal of Cleaner Production, 2014, 66, 113-120.	9.3	69
244	Environmental assessment of coloured fabrics and opportunities for value creation: spin-dyeing versus conventional dyeing of modal fabrics. Journal of Cleaner Production, 2014, 72, 127-138.	9.3	52
245	Beyond the material grave: Life Cycle Impact Assessment of leaching from secondary materials in road and earth constructions. Waste Management, 2014, 34, 1884-1896.	7.4	45
246	Life cycle assessment of nutrient removal technologies for the treatment of anaerobic digestion supernatant and its integration in a wastewater treatment plant. Science of the Total Environment, 2014, 490, 871-879.	8.0	78
247	Implementation of an adapted LCA framework to environmental assessment of a territory: important learning points from a French Mediterranean case study. Journal of Cleaner Production, 2014, 80, 17-29.	9.3	62
248	An uncertainty and sensitivity analysis applied to the prioritisation of pharmaceuticals as surface water contaminants from wastewater treatment plant direct emissions. Science of the Total Environment, 2014, 490, 342-350.	8.0	24
249	Integration of life cycle assessment software with tools for economic and sustainability analyses and process simulation for sustainable process design. Journal of Cleaner Production, 2014, 71, 98-109.	9.3	93
250	Comparative life cycle assessment in the wine sector: biodynamic vs. conventional viticulture activities in NW Spain. Journal of Cleaner Production, 2014, 65, 330-341.	9.3	144
251	Nanotoxicity and Life Cycle Assessment: First attempt towards the determination of characterization factors for carbon nanotubes. IOP Conference Series: Materials Science and Engineering, 2014, 64, 012029.	0.6	14
253	Prospective environmental and economic assessment for biotreatment of micropollutants in drinking water resources in Denmark. Water Science and Technology: Water Supply, 2015, 15, 1405-1413.	2.1	6
256	Changes in environmental impacts of major crops in the US. Environmental Research Letters, 2015, 10, 094016.	5.2	49
257	Life Cycle Assessment of Titania Perovskite Solar Cell Technology for Sustainable Design and Manufacturing. ChemSusChem, 2015, 8, 3882-3891.	6.8	70
258	Comparative attributional life cycle assessment of annual and perennial lignocellulosic feedstocks production under Mediterranean climate for biorefinery framework. Integrated Environmental Assessment and Management, 2015, 11, 397-403.	2.9	17
259	Product environmental footprint in policy and market decisions: Applicability and impact assessment. Integrated Environmental Assessment and Management, 2015, 11, 417-424.	2.9	45
260	Quantitative Property–Property Relationship for Screening-Level Prediction of Intrinsic Clearance: A Tool for Exposure Modeling for High-Throughput Toxicity Screening Data. Applied in Vitro Toxicology, 2015, 1, 140-146.	1.1	9
261	Life cycle assessment of silk production $\hat{a} \in \hat{a}$ a case study fromÂIndia. , 2015, , 255-274.		6

			2
#	ARTICLE	IF	CITATIONS
263	Identifying and designing chemicals with minimal acute aquatic toxicity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6289-6294.	7.1	75
264	Life cycle assessment of cotton T-shirts in China. International Journal of Life Cycle Assessment, 2015, 20, 994-1004.	4.7	64
265	Three methods for strategic product toxicity assessment—the case of the cotton T-shirt. International Journal of Life Cycle Assessment, 2015, 20, 903-912.	4.7	22
266	Introducing carrying capacity-based normalisation in LCA: framework and development of references at midpoint level. International Journal of Life Cycle Assessment, 2015, 20, 1005-1018.	4.7	152
267	Towards more accurate life cycle assessment of biological wastewater treatment plants: a review. Journal of Cleaner Production, 2015, 107, 676-692.	9.3	126
268	Life cycle assessment of offset paper production in Brazil: hotspots and cleaner production alternatives. Journal of Cleaner Production, 2015, 93, 222-233.	9.3	54
269	Characterization of engineered TiO2 nanomaterials in a life cycle and risk assessments perspective. Environmental Science and Pollution Research, 2015, 22, 11175-11192.	5.3	28
270	Life Cycle Assessment and Risk Assessment of Manufactured Nanomaterials. , 2015, , 225-256.		3
271	Incorporating High-Throughput Exposure Predictions With Dosimetry-Adjusted <i>In Vitro</i> Bioactivity to Inform Chemical Toxicity Testing. Toxicological Sciences, 2015, 148, 121-136.	3.1	190
272	Coordinating modeling and experimental research of engineered nanomaterials to improve life cycle assessment studies. Environmental Science: Nano, 2015, 2, 669-682.	4.3	39
273	Organic Versus Conventional Farming: The Case of wheat Production in Wallonia (Belgium). Agriculture and Agricultural Science Procedia, 2015, 7, 272-279.	0.6	17
274	Analysis of water use impact assessment methods (part A): evaluation of modeling choices based on a quantitative comparison of scarcity and human health indicators. International Journal of Life Cycle Assessment, 2015, 20, 139-160.	4.7	72
275	Life cycle assessment of the desulfurisation flotation process to prevent acid rock drainage: A base metal case study. Minerals Engineering, 2015, 76, 126-134.	4.3	26
276	A set of sustainability performance indicators for seafood: Direct human consumption products from Peruvian anchoveta fisheries and freshwater aquaculture. Ecological Indicators, 2015, 48, 518-532.	6.3	44
277	Environmental sustainability of an energy self-sufficient sewage treatment plant: Improvements through DEMON and co-digestion. Water Research, 2015, 74, 166-179.	11.3	128
278	Life Cycle Assessment of mechanical biological pre-treatment of Municipal Solid Waste: A case study. Waste Management, 2015, 39, 287-294.	7.4	25
279	Review of decision analytic tools for sustainable nanotechnology. Environment Systems and Decisions, 2015, 35, 29-41.	3.4	36
280	Including organic mixture influence on dioxins and furans fate for toxic impact assessment in a life cycle context. International Journal of Life Cycle Assessment, 2015, 20, 289-298.	4.7	0

ARTICLE IF CITATIONS # Life cycle health impacts of polycyclic aromatic hydrocarbon for source-specific mixtures. 281 4.7 6 International Journal of Life Cycle Assessment, 2015, 20, 87-99. Life cycle assessment study of a field emission display television device. International Journal of Life Cycle Assessment, 2015, 20, 61-73. The USEtox story: a survey of model developer visions and user requirements. International Journal 284 4.7 55 of Life Cycle Assessment, 2015, 20, 299-310. Environmental impacts of electricity generation at global, regional and national scales in 1980–2011: 30.8 93 what can we learn for future energy planning?. Energy and Environmental Science, 2015, 8, 689-701. Assessing the variability of the bioavailable fraction of zinc at the global scale using geochemical 286 4.7 8 modeling and soil archetypes. International Journal of Life Cycle Assessment, 2015, 20, 527-540. Life-cycle assessment framework for indoor emissions of synthetic nanoparticles. Journal of 288 Nanoparticle Research, 2015, 17, 1. Preparing the ground for an operational handling of long-term emissions in LCA. International 289 4.7 28 Journal of Life Cycle Assessment, 2015, 20, 1444-1455. Integrated gasification and plasma cleaning for waste treatment: A life cycle perspective. Waste 290 7.4 Management, 2015, 43, 485-496. Defining Product Intake Fraction to Quantify and Compare Exposure to Consumer Products. 291 10.0 65 Environmental Science & amp; Technology, 2015, 49, 8924-8931. Case study: taking zinc speciation into account in terrestrial ecotoxicity considerably impacts life cycle assessment results. Journal of Cleaner Production, 2015, 108, 1002-1008. Assessing comparative terrestrial ecotoxicity of Cd, Co, Cu, Ni, Pb, and Zn: The influence of aging and 293 39 7.5 emission source. Environmental Pollution, 2015, 206, 400-410. Enhancing the practical implementation of life cycle sustainability assessment – proposal of a Tiered 294 approach. Journal of Cleaner Production, 2015, 102, 165-176. Life Cycle Assessment of multiyear peach production. Journal of Cleaner Production, 2015, 104, 68-79. 295 9.3 41 Demonstrating an approach for including pesticide use in life-cycle assessment: Estimating human and ecosystem toxicity of pesticide use in Midwest corn farming. International Journal of Life Cycle Assessment, 2015, 20, 1117-1126. Life cycle assessment of construction and demolition waste management. Waste Management, 2015, 44, 297 157 7.4 196-205. Life cycle assessment of lead-acid batteries used in electric bicycles inÂChina. Journal of Cleaner 298 64 Production, 2015, 108, 1149-1156. 299 Introducing Life Cycle Impact Assessment. LCA Compendium, 2015, , 1-16. 0.8 57 Life cycle assessment of PEM FC applications: electric mobility and $\hat{1}$ /4-CHP. Energy and Environmental 30.8 Science, 2015, 8, 1969-1985.

#	Article	IF	CITATIONS
301	Machine learning for toxicity characterization of organic chemical emissions using USEtox database: Learning the structure of the input space. Environment International, 2015, 83, 72-85.	10.0	25
302	Impact of Occupational Exposure to Chemicals in Life Cycle Assessment: A Novel Characterization Model Based on Measured Concentrations and Labor Hours. Environmental Science & Technology, 2015, 49, 8741-8750.	10.0	15
303	Risk-Based High-Throughput Chemical Screening and Prioritization using Exposure Models and in Vitro Bioactivity Assays. Environmental Science & amp; Technology, 2015, 49, 6760-6771.	10.0	63
304	Mass balance and life cycle assessment of the waste electrical and electronic equipment management system implemented in Lombardia Region (Italy). Science of the Total Environment, 2015, 524-525, 361-375.	8.0	68
305	Life cycle assessment and residue leaching: The importance of parameter, scenario and leaching data selection. Waste Management, 2015, 38, 474-485.	7.4	45
306	Eco-efficient production of spring barley in a changed climate: A Life Cycle Assessment including primary data from future climate scenarios. Agricultural Systems, 2015, 136, 46-60.	6.1	61
307	Impact of Shale Gas Development on Water Resources: A Case Study in Northern Poland. Environmental Management, 2015, 55, 1285-1299.	2.7	54
308	Fast solvent screening for counter-current liquid–liquid extraction columns. Clean Technologies and Environmental Policy, 2015, 17, 1227-1238.	4.1	8
309	Engaging stakeholders in nano-EHS risk governance. Environment Systems and Decisions, 2015, 35, 24-28.	3.4	8
310	Life cycle assessment of façade coating systems containing manufactured nanomaterials. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	66
311	Land cover change from cotton to corn in the USA relieves freshwater ecotoxicity impact but may aggravate other regional environmental impacts. International Journal of Life Cycle Assessment, 2015, 20, 196-203.	4.7	19
312	Applicability of western chemical dietary exposure models to the Chinese population. Environmental Research, 2015, 140, 165-176.	7.5	6
313	The use of the risk assessment in the life cycle assessment framework. Management of Environmental Quality, 2015, 26, 389-406.	4.3	12
315	Life-cycle assessment of soybean-based biodiesel in Europe: comparing grain, oil and biodiesel import from Brazil. Journal of Cleaner Production, 2015, 102, 188-201.	9.3	64
316	Analysis of water use impact assessment methods (part B): applicability for water footprinting and decision making with a laundry case study. International Journal of Life Cycle Assessment, 2015, 20, 865-879.	4.7	31
317	The Glasgow consensus on the delineation between pesticide emission inventory and impact assessment for LCA. International Journal of Life Cycle Assessment, 2015, 20, 765-776.	4.7	62
318	Life cycle assessment of resource recovery from municipal solid waste incineration bottom ash. Journal of Environmental Management, 2015, 151, 132-143.	7.8	98
319	Comparison of Asian Aquaculture Products by Use of Statistically Supported Life Cycle Assessment. Environmental Science & Technology, 2015, 49, 14176-14183.	10.0	58

#	Article	IF	CITATIONS
320	An Approach to Integrating Occupational Safety and Health into Life Cycle Assessment: Development and Application of Work Environment Characterization Factors. Journal of Industrial Ecology, 2015, 19, 27-37.	5.5	29
321	Towards More Holistic Environmental Impact Assessment: Hybridisation of Life Cycle Assessment and Quantitative Risk Assessment. Procedia CIRP, 2015, 29, 378-383.	1.9	29
322	Indoor Air Pollutant Exposure for Life Cycle Assessment: Regional Health Impact Factors for Households. Environmental Science & amp; Technology, 2015, 49, 12823-12831.	10.0	52
323	Assessing the environmental impact of energy production from hydrochar generated via hydrothermal carbonization of food wastes. Waste Management, 2015, 43, 203-217.	7.4	112
324	A tiered approach for environmental impact assessment of chemicals and their alternatives within the context of socio-economic analyses. Journal of Cleaner Production, 2015, 108, 955-964.	9.3	9
325	Is Unbleached Cotton Better Than Bleached? Exploring the Limits of Life-Cycle Assessment in the Textile Sector. Clothing and Textiles Research Journal, 2015, 33, 231-247.	3.4	43
326	Integrated assessment of environmental impact of Europe in 2010: data sources and extrapolation strategies for calculating normalisation factors. International Journal of Life Cycle Assessment, 2015, 20, 1568-1585.	4.7	51
327	A comparative LCA of an electric vehicle and an internal combustion engine vehicle using the appropriate power mix: the Italian case study. International Journal of Life Cycle Assessment, 2015, 20, 1127-1142.	4.7	105
328	Pesticide emission modelling and freshwater ecotoxicity assessment for Grapevine LCA: adaptation of PestLCI 2.0 to viticulture. International Journal of Life Cycle Assessment, 2015, 20, 1528-1543.	4.7	35
329	A note on pesticide-related toxicity impacts of crops in the USA. International Journal of Life Cycle Assessment, 2015, 20, 1604-1606.	4.7	2
330	A transdisciplinary review of the role of economics in life cycle sustainability assessment. International Journal of Life Cycle Assessment, 2015, 20, 1625-1639.	4.7	16
331	Environmental consequences of adaptation to climate change in Swiss agriculture: An analysis at farm level. Agricultural Systems, 2015, 132, 40-51.	6.1	30
332	Life-cycle assessment of a civil explosive. Journal of Cleaner Production, 2015, 89, 159-164.	9.3	15
333	Environmental performance assessment of the melamine-urea-formaldehyde (MUF) resin manufacture: a case study in Brazil. Journal of Cleaner Production, 2015, 96, 299-307.	9.3	66
334	Estimating the development of ecotoxicological pressure on water systems from pesticides in Finland 2000–2011. Journal of Cleaner Production, 2015, 89, 65-77.	9.3	12
335	Freshwater ecotoxicity characterisation factor for metal oxide nanoparticles: A case study on titanium dioxide nanoparticle. Science of the Total Environment, 2015, 505, 494-502.	8.0	66
336	Sources, Distribution, Environmental Fate, and Ecological Effects of Nanomaterials in Wastewater Streams. Critical Reviews in Environmental Science and Technology, 2015, 45, 277-318.	12.8	80
337	Avaliação de Impacto do Ciclo de Vida: revisão dos principais métodos. Production, 2016, 26, 160-175.	1.3	28

ARTICLE IF CITATIONS Analysis of the environmental effects of international outsourcing: Study of the iron casting 338 0.4 2 industry. Scientific Research and Essays, 2016, 11, 160-173. Conceptual Chemical Process Design forÂSustainability., 2016, , 67-85. 340 Life cycle sustainability assessment of biofuels., 2016, , 41-60. 6 Sustainability Considerations on the Valorization of Organic Waste., 2016, , 287-307. 341 Environmental Analysis of Petrol, Diesel and Electric Passenger Cars in a Belgian Urban Setting. 342 3.196 Energies, 2016, 9, 84. Life Cycle Assessment of Steel Produced in an Italian Integrated Steel Mill. Sustainability, 2016, 8, 719. 3.2 Strategic Sustainable Assessment of Retrofit Design for Process Performance Evaluation., 2016,, 344 0 249-273. Establishing environmental benchmarks to determine the environmental performance of elementary 6.7 school buildings using LCA. Energy and Buildings, 2016, 127, 818-829. A life cycle assessment of the use of compost from contaminated biodegradable municipal solid waste 346 9.3 18 with silver and titanium dioxide nanoparticles. Journal of Cleaner Production, 2016, 135, 884-891. Addressing biodiversity impacts of land use in life cycle assessment of forest biomass harvesting. 347 4.1 Wiley Interdisciplinary Reviews: Energy and Environment, 2016, 5, 670-683. Limitations of toxicity characterization in life cycle assessment: Can adverse outcome pathways 348 17 2.9 provide a new foundation?. Integrated Environmental Assessment and Management, 2016, 12, 580-590. Potential resource and toxicity impacts from metals in waste electronic devices. Integrated 349 Environmental Assessment and Management, 2016, 12, 364-370. Assessment of the chemical pollution in the context of the planetary boundaries. Russian Chemical 351 1.5 6 Bulletin, 2016, 65, 1383-1394. Consequential environmental life cycle assessment of a farm-scale biogas plant. Journal of Environmental Management, 2016, 175, 20-32. Effect of technology convergence for tablet PC on potential environmental impacts from heavy 353 5.9 14 metals. International Journal of Sustainable Development and World Ecology, 2016, 23, 154-162. Spatial variability versus parameter uncertainty in freshwater fate and exposure factors of chemicals. 354 Chemosphere, 2016, 149, 101-107. Sustainability of rice intensification in Uruguay from 1993 to 2013. Global Food Security, 2016, 9, 10-18. 355 8.1 37 Environmental profile of ceramic tiles and their potential for improvement. Journal of Cleaner 44 Production, 2016, 131, 583-593.

#	Article	IF	CITATIONS
357	Reducing impacts from ammunitions: A comparative life-cycle assessment of four types of 9 mm ammunitions. Science of the Total Environment, 2016, 566-567, 34-40.	8.0	6
358	Multi-pathway exposure modeling of chemicals in cosmetics with application to shampoo. Environment International, 2016, 92-93, 87-96.	10.0	39
359	SENSE tool: easy-to-use web-based tool to calculate food product environmental impact. International Journal of Life Cycle Assessment, 2016, 21, 710-721.	4.7	21
360	Outdoor fate and environmental impact of polymer solar cells through leaching and emission to rainwater and soil. Energy and Environmental Science, 2016, 9, 1674-1680.	30.8	42
362	Human health characterization factors of nano-TiO2 for indoor and outdoor environments. International Journal of Life Cycle Assessment, 2016, 21, 1452-1462.	4.7	32
363	Delving into sensible measures to enhance the environmental performance of biohydrogen: A quantitative approach based on process simulation, life cycle assessment and data envelopment analysis. Bioresource Technology, 2016, 214, 376-385.	9.6	45
364	Using rye as cover crop for bioenergy production: An environmental and economic assessment. Biomass and Bioenergy, 2016, 95, 116-123.	5.7	18
365	Coupled near-field and far-field exposure assessment framework for chemicals in consumer products. Environment International, 2016, 94, 508-518.	10.0	74
366	Environmental Performance of Hydrothermal Carbonization of Four Wet Biomass Waste Streams at Industry-Relevant Scales. ACS Sustainable Chemistry and Engineering, 2016, 4, 6783-6791.	6.7	65
367	Life-cycle assessment of a Waste-to-Energy plant in central Norway: Current situation and effects of changes in waste fraction composition. Waste Management, 2016, 58, 191-201.	7.4	58
368	Comprehensive influence of environmental factors on the emission rate of formaldehyde and VOCs in building materials: Correlation development and exposure assessment. Environmental Research, 2016, 151, 734-741.	7.5	84
369	Conceptual Framework To Extend Life Cycle Assessment Using Near-Field Human Exposure Modeling and High-Throughput Tools for Chemicals. Environmental Science & Technology, 2016, 50, 11922-11934.	10.0	31
370	Eco-epidemiology of aquatic ecosystems: Separating chemicals from multiple stressors. Science of the Total Environment, 2016, 573, 1303-1319.	8.0	39
371	Fate and Characterization Factors of Nanoparticles in Seventeen Subcontinental Freshwaters: A Case Study on Copper Nanoparticles. Environmental Science & Technology, 2016, 50, 9370-9379.	10.0	44
372	Life cycle assessment of capital goods in waste management systems. Waste Management, 2016, 56, 561-574.	7.4	32
373	Comparative life cycle assessment of fossil and bio-based polyethylene terephthalate (PET) bottles. Journal of Cleaner Production, 2016, 137, 667-676.	9.3	139
374	Local added value and environmental impacts of ship scrapping in the context of a ship's life cycle. Ocean Engineering, 2016, 122, 317-321.	4.3	24
375	Agricultural anaerobic digestion plants: What LCA studies pointed out and what can be done to make them more environmentally sustainable. Applied Energy, 2016, 179, 669-686.	10.1	129

#	Article	IF	CITATIONS
376	Life Cycle Assessment and eco-efficiency of prospective, flexible, tandem organic photovoltaic module. Solar Energy, 2016, 137, 317-327.	6.1	34
377	High-throughput exposure modeling to support prioritization of chemicals in personal care products. Chemosphere, 2016, 163, 490-498.	8.2	26
378	Life Cycle Assessment of Aluminium Recycling Process: Case of Shredder Cables. Procedia CIRP, 2016, 48, 212-218.	1.9	18
379	Challenges in implementing a Planetary Boundaries based Life-Cycle Impact Assessment methodology. Journal of Cleaner Production, 2016, 139, 450-459.	9.3	70
381	Management of Municipal Solid Waste in One of the Galapagos Islands. , 2016, , 141-164.		0
382	Comparative life cycle assessment of ceramic brick, concrete brick and cast-in-place reinforced concrete exterior walls. Journal of Cleaner Production, 2016, 137, 70-82.	9.3	92
383	Life cycle assessment of macroalgal biorefinery for the production of ethanol, proteins and fertilizers – A step towards a regenerative bioeconomy. Journal of Cleaner Production, 2016, 137, 1158-1169.	9.3	115
384	Occupational Health Impacts Due to Exposure to Organic Chemicals over an Entire Product Life Cycle. Environmental Science & Technology, 2016, 50, 13105-13114.	10.0	8
385	Application of a multi-criteria decision model to select of design choices for WWTPs. Clean Technologies and Environmental Policy, 2016, 18, 1097-1109.	4.1	31
386	Choosing a monetary value of greenhouse gases in assessment tools: AÂcomprehensive review. Journal of Cleaner Production, 2016, 127, 37-48.	9.3	46
388	Ecologically sustainable weed management: How do we get from proofâ€ofâ€concept to adoption?. Ecological Applications, 2016, 26, 1352-1369.	3.8	63
389	Data strategy for environmental assessment of agricultural regions via LCA: case study of a French catchment. International Journal of Life Cycle Assessment, 2016, 21, 476-491.	4.7	32
390	Life cycle assessment (LCA) – from analysing methodology development to introducing an LCA framework for marine photovoltaic (PV) systems. Renewable and Sustainable Energy Reviews, 2016, 59, 352-378.	16.4	73
391	Environmental Effects of Steam Explosion Pretreatment on Biogas from Maize—Case Study of a 500-kW Austrian Biogas Facility. Bioenergy Research, 2016, 9, 198-207.	3.9	13
392	Life cycle inherent toxicity: a novel LCA-based algorithm for evaluating chemical synthesis pathways. Green Chemistry, 2016, 18, 3257-3264.	9.0	29
393	How Many Environmental Impact Indicators Are Needed in the Evaluation of Product Life Cycles?. Environmental Science & Technology, 2016, 50, 3913-3919.	10.0	95
394	LCA (Life Cycle Assessment) of EVP – engineering veneer product: plywood glued using a vacuum moulding technology from green veneers. Journal of Cleaner Production, 2016, 124, 383-394.	9.3	25
395	Comparison of the organic waste management systems in the Danish–German border region using life cycle assessment (LCA). Waste Management, 2016, 49, 491-504.	7.4	64

#	Article	IF	CITATIONS
396	Using the Reliability Theory for Assessing the Decision Confidence Probability for Comparative Life Cycle Assessments. Environmental Science & amp; Technology, 2016, 50, 2272-2280.	10.0	25
397	SimpleBox 4.0: Improving the model while keeping it simple $\hat{a} \in $ Chemosphere, 2016, 148, 99-107.	8.2	29
398	Life-Cycle Assessment of Advanced Nutrient Removal Technologies for Wastewater Treatment. Environmental Science & Technology, 2016, 50, 3020-3030.	10.0	85
399	Appraisal of environmental profiles of pasture-based milk production: a case study of dairy farms in the Waikato region, New Zealand. International Journal of Life Cycle Assessment, 2016, 21, 311-325.	4.7	24
400	Salinisation impacts in life cycle assessment: a review of challenges and options towards their consistent integration. International Journal of Life Cycle Assessment, 2016, 21, 577-594.	4.7	28
401	Developments in life cycle assessment applied to evaluate the environmental performance of construction and demolition wastes. Waste Management, 2016, 50, 151-172.	7.4	155
402	Environmental performance of copper-alloy Net-pens: Life cycle assessment of Atlantic salmon grow-out in copper-alloy and nylon net-pens. Aquaculture, 2016, 453, 93-103.	3.5	27
403	Use of digestate from a decentralized on-farm biogas plant as fertilizer in soils: An ecotoxicological study for future indicators in risk and life cycle assessment. Waste Management, 2016, 49, 378-389.	7.4	98
404	Integrated assessment of agro-ecological systems: The case study of the "Alta Murgia―National park in Italy. Agricultural Systems, 2016, 144, 144-155.	6.1	14
405	Characterization factors for zinc terrestrial ecotoxicity including speciation. International Journal of Life Cycle Assessment, 2016, 21, 523-535.	4.7	17
406	Using E-PRTR data on point source emissions to air and water—First steps towards a national chemical footprint. Environmental Impact Assessment Review, 2016, 56, 102-112.	9.2	26
407	Life cycle assessment of forecasting scenarios for urban water management: A first implementation of the WaLA model on Paris suburban area. Water Research, 2016, 90, 128-140.	11.3	28
408	Producing oat drink or cow's milk on a Swedish farm — Environmental impacts considering the service of grazing, the opportunity cost of land and the demand for beef and protein. Agricultural Systems, 2016, 142, 23-32.	6.1	30
409	Life-Cycle Perspectives on Aquatic Ecotoxicity of Common Ionic Liquids. Environmental Science & Technology, 2016, 50, 6814-6821.	10.0	40
410	Assessment of Metal Toxicity in Marine Ecosystems: Comparative Toxicity Potentials for Nine Cationic Metals in Coastal Seawater. Environmental Science & Technology, 2016, 50, 269-278.	10.0	42
411	Human health benefits and burdens of a pharmaceutical treatment: Discussion of a conceptual integrated approach. Environmental Research, 2016, 144, 19-31.	7.5	14
412	Life Cycle Assessment of Catechols from Lignin Depolymerization. ACS Sustainable Chemistry and Engineering, 2016, 4, 708-718.	6.7	62
413	Methodology for assessing human health impacts due to pollutants emitted from building materials. Building and Environment, 2016, 95, 133-144.	6.9	45

#	Article	IF	CITATIONS
414	Toward a more accurate regionalized life cycle inventory. Journal of Cleaner Production, 2016, 112, 308-315.	9.3	44
415	Assessing the environmental, human health, and economic impacts of reprocessed medical devices in a Phoenix hospital's supply chain. Journal of Cleaner Production, 2016, 112, 1995-2003.	9.3	80
416	Environmental and Safety Issues of Polymers and Polymeric Material in the Printing Industry. , 2016, , 397-415.		1
417	Life cycle human health impacts of 875 pesticides. International Journal of Life Cycle Assessment, 2016, 21, 722-733.	4.7	125
418	LCA of management strategies for RDF incineration and gasification bottom ash based on experimental leaching data. Waste Management, 2016, 47, 285-298.	7.4	32
419	Life cycle toxicity assessment on deep-brine well drilling. Journal of Cleaner Production, 2016, 112, 326-332.	9.3	21
420	Life cycle environmental performance of by-product coke production in China. Journal of Cleaner Production, 2016, 112, 1292-1301.	9.3	56
421	Organic versus conventional citrus. Impact assessment and variability analysis in the Comunitat Valenciana (Spain). International Journal of Life Cycle Assessment, 2017, 22, 571-586.	4.7	42
422	Hotspots analysis and critical interpretation of food life cycle assessment studies for selecting eco-innovation options and for policy support. Journal of Cleaner Production, 2017, 140, 556-568.	9.3	60
423	Environmental impacts of barley cultivation under current and future climatic conditions. Journal of Cleaner Production, 2017, 140, 644-653.	9.3	21
424	The role of life cycle assessment in supporting sustainable agri-food systems: A review of the challenges. Journal of Cleaner Production, 2017, 140, 399-409.	9.3	413
425	Protein quality as functional unit – A methodological framework for inclusion in life cycle assessment of food. Journal of Cleaner Production, 2017, 140, 470-478.	9.3	94
426	Modelling the influence of changing climate in present and future marine eutrophication impacts from spring barley production. Journal of Cleaner Production, 2017, 140, 537-546.	9.3	10
427	Environmental assessment of wheat and maize production in an Italian farmers' cooperative. Journal of Cleaner Production, 2017, 140, 631-643.	9.3	57
428	Deriving characterization factors on freshwater ecotoxicity of graphene oxide nanomaterial for life cycle impact assessment. International Journal of Life Cycle Assessment, 2017, 22, 222-236.	4.7	42
429	A generalized computational structure for regional life-cycle assessment. International Journal of Life Cycle Assessment, 2017, 22, 213-221.	4.7	28
430	Environmental assessment of biomass gasification combined heat and power plants with absorptive and adsorptive carbon capture units in Norway. International Journal of Greenhouse Gas Control, 2017, 57, 162-172.	4.6	48
431	Reducing Freshwater Toxicity while Maintaining Weed Control, Profits, And Productivity: Effects of Increased Crop Rotation Diversity and Reduced Herbicide Usage. Environmental Science & Samp; Technology, 2017, 51, 1707-1717.	10.0	48

#	Article	IF	CITATIONS
432	Updated indicators of Swedish national human toxicity and ecotoxicity footprints using USEtox 2.01. Environmental Impact Assessment Review, 2017, 62, 110-114.	9.2	26
433	Freshwater ecotoxicity impacts from pesticide use in animal and vegetable foods produced in Sweden. Science of the Total Environment, 2017, 581-582, 448-459.	8.0	31
434	Assessing eco-efficiency: A metafrontier directional distance function approach using life cycle analysis. Environmental Impact Assessment Review, 2017, 63, 116-127.	9.2	68
435	Estimation of the phosphorus loading with consideration for the planetary boundaries (for the) Tj ETQq1 1 0.784	-314 rgBT 1.9	/Oyerlock 1(
436	Comparative life cycle assessment of thermal residue recycling on a regional scale: A case study of South-East Finland. Journal of Cleaner Production, 2017, 149, 275-289.	9.3	16
437	Life Cycle Assessment of Nanotechnology in Batteries for Electric Vehicles. , 2017, , 231-251.		3
438	Seaweed as innovative feedstock for energy and feed – Evaluating the impacts through a Life Cycle Assessment. Journal of Cleaner Production, 2017, 150, 1-15.	9.3	87
439	Life cycle human health and ecosystem quality implication of biomass-based strategies to climate change mitigation. Renewable Energy, 2017, 108, 11-18.	8.9	25
440	Framework for estimating toxic releases from the application of manure on agricultural soil: National release inventories for heavy metals in 2000–2014. Science of the Total Environment, 2017, 590-591, 452-460.	8.0	76
441	Development of Comparative Toxicity Potentials of TiO ₂ Nanoparticles for Use in Life Cycle Assessment. Environmental Science & Technology, 2017, 51, 4027-4037.	10.0	51
442	Evaluation of Externality Costs in Life-Cycle Optimization of Municipal Solid Waste Management Systems. Environmental Science & Technology, 2017, 51, 3119-3127.	10.0	52
443	Life cycle environmental and economic assessment of a LID-BMP treatment train system: A case study in China. Journal of Cleaner Production, 2017, 149, 227-237.	9.3	73
444	Screening-Level Life Cycle Assessment of Graphene-Poly(ether imide) Coatings Protecting Unalloyed Steel from Severe Atmospheric Corrosion. ACS Sustainable Chemistry and Engineering, 2017, 5, 2656-2667.	6.7	32
445	Environmental life cycle assessment of producing willow, alfalfa and straw from spring barley as feedstocks for bioenergy or biorefinery systems. Science of the Total Environment, 2017, 586, 226-240.	8.0	52
446	Combining Ecoâ€Efficiency and Ecoâ€Effectiveness for Continuous Loop Beverage Packaging Systems: Lessons from the Carlsberg Circular Community. Journal of Industrial Ecology, 2017, 21, 742-753.	5.5	72
447	An investigation of the PM _{2.5} and NO ₂ concentrations and their human health impacts in the metro subway system of Suzhou, China. Environmental Sciences: Processes and Impacts, 2017, 19, 666-675.	3.5	64
448	Estimating human toxicity potential of land application of sewage sludge: the effect of modelling choices. International Journal of Life Cycle Assessment, 2017, 22, 731-743.	4.7	23
449	A model and tool to calculate life cycle inventories of chemicals discharged down the drain. International Journal of Life Cycle Assessment, 2017, 22, 986-1004.	4.7	9

#	Article	IF	CITATIONS
450	Mitigation options for chemicals of emerging concern in surface waters; operationalising solutions-focused risk assessment. Environmental Science: Water Research and Technology, 2017, 3, 403-414.	2.4	25
451	A framework for an alternatives assessment dashboard for evaluating chemical alternatives applied to flame retardants for electronic applications. Clean Technologies and Environmental Policy, 2017, 19, 1067-1086.	4.1	5
452	Using exposure bands for rapid decision making in the RISK21 tiered exposure assessment. Critical Reviews in Toxicology, 2017, 47, 317-341.	3.9	11
453	Bitumen extraction and recovery in road industry: A global methodology in solvent substitution from a comprehensive review. Journal of Cleaner Production, 2017, 161, 53-68.	9.3	31
454	Life cycle assessment of a polymer electrolyte membrane fuel cell system for passenger vehicles. Journal of Cleaner Production, 2017, 142, 4339-4355.	9.3	115
455	A framework for including enhanced exposure to naturally occurring radioactive materials (NORM) in LCA. International Journal of Life Cycle Assessment, 2017, 22, 1078-1095.	4.7	15
456	Improving substance information in USEtox [®] , part 1: Discussion on data and approaches for estimating freshwater ecotoxicity effect factors. Environmental Toxicology and Chemistry, 2017, 36, 3450-3462.	4.3	40
457	Combination of life cycle assessment, risk assessment and human biomonitoring to improve regulatory decisions and policy making for chemicals. Environmental Impact Assessment Review, 2017, 65, 156-163.	9.2	12
458	Derivation of health effect factors for nanoparticles to be used in LCIA. NanoImpact, 2017, 7, 41-53.	4.5	18
459	LCIA framework and cross-cutting issues guidance within the UNEP-SETAC Life Cycle Initiative. Journal of Cleaner Production, 2017, 161, 957-967.	9.3	141
460	Prospective Life Cycle Assessment of Epitaxial Graphene Production at Different Manufacturing Scales and Maturity. Journal of Industrial Ecology, 2017, 21, 1153-1164.	5.5	37
461	Ecoâ€Efficiency Analysis of a Lithiumâ€lon Battery Waste Hierarchy Inspired by Circular Economy. Journal of Industrial Ecology, 2017, 21, 715-730.	5.5	154
462	Life Cycle Assessment and Release Studies for 15 Nanosilver-Enabled Consumer Products: Investigating Hotspots and Patterns of Contribution. Environmental Science & Technology, 2017, 51, 7148-7158.	10.0	75
463	Assessing redundancies in environmental performance measures for supply chains. Journal of Cleaner Production, 2017, 167, 1290-1302.	9.3	29
464	Primary and secondary particulate matter intake fraction from different height emission sources. Atmospheric Environment, 2017, 165, 1-11.	4.1	9
465	Most important factors of variability and uncertainty in an LCA study of nanomaterials – Findings from a case study with nano titanium dioxide. NanoImpact, 2017, 7, 17-26.	4.5	25
466	Impact of copper nanoparticles on porcine neutrophils: ultrasensitive characterization factor combining chemiluminescence information and USEtox assessment model. Materials Today Communications, 2017, 11, 68-75.	1.9	7
467	Monetisation of external socio-economic costs of industrial production: A social-LCA-based case of clothing production. Journal of Cleaner Production, 2017, 153, 320-330.	9.3	43

#	Article	IF	CITATIONS
468	Key physicochemical properties of nanomaterials in view of their toxicity: an exploratory systematic investigation for the example of carbon-based nanomaterial. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	4
469	Accounting for the environmental impacts of sulfidic tailings storage in the Life Cycle Assessment of copper production: A case study. Journal of Cleaner Production, 2017, 153, 139-145.	9.3	45
470	Sustainability of renewable fuel infrastructure: a screening LCA case study of anticorrosive graphene oxide epoxy liners in steel tanks for the storage of biodiesel and its blends. Environmental Sciences: Processes and Impacts, 2017, 19, 141-153.	3.5	9
471	Evaluating landfill aftercare strategies: A life cycle assessment approach. Waste Management, 2017, 63, 417-431.	7.4	26
472	Environmental life cycle assessments of producing maize, grass-clover, ryegrass and winter wheat straw for biorefinery. Journal of Cleaner Production, 2017, 142, 3859-3871.	9.3	46
473	Applying soil quality indicators in the context of life cycle assessment in a Finnish case study. International Journal of Life Cycle Assessment, 2017, 22, 1339-1353.	4.7	5
474	Life cycle human health and ecotoxicological impacts assessment of electricity production from wood biomass compared to coal fuel. Applied Energy, 2017, 187, 564-574.	10.1	42
475	Supporting a transition towards sustainable circular economy: sensitivity analysis for the interpretation of LCA for the recovery of electric and electronic waste. International Journal of Life Cycle Assessment, 2017, 22, 1278-1287.	4.7	30
476	ReCiPe2016: a harmonised life cycle impact assessment method at midpoint and endpoint level. International Journal of Life Cycle Assessment, 2017, 22, 138-147.	4.7	1,905
477	Diffuse methane emissions abatement by organic and inorganic packed biofilters: Assessment of operational and environmental indicators. Journal of Cleaner Production, 2017, 143, 1191-1202.	9.3	17
478	Environmental challenges of the chlor-alkali production: Seeking answers from a life cycle approach. Science of the Total Environment, 2017, 580, 147-157.	8.0	48
479	High-throughput migration modelling for estimating exposure to chemicals in food packaging in screening and prioritization tools. Food and Chemical Toxicology, 2017, 109, 428-438.	3.6	20
480	A simulation tool to support the design of crop management strategies in fruit tree farms. Application to the reduction of pesticide use. Computers and Electronics in Agriculture, 2017, 142, 260-272.	7.7	7
481	Life cycle assessment of orange peel waste management. Resources, Conservation and Recycling, 2017, 127, 148-158.	10.8	85
482	Multiyear Life Cycle Assessment of switchgrass (Panicum virgatum L.) production in the Mediterranean region of Spain: A comparative case study. Biomass and Bioenergy, 2017, 107, 74-85.	5.7	9
483	Comparative Environmental Life Cycle Assessment of Oxyfuel and Post-combustion Capture with MEA and AMP/PZ - Case Studies from the EDDiCCUT Project. Energy Procedia, 2017, 114, 6604-6611.	1.8	12
484	Environmental screening of novel technologies to increase material circularity: A case study on aluminium cans. Resources, Conservation and Recycling, 2017, 127, 96-106.	10.8	31
485	Comparative Human Toxicity Impact of Electricity Produced from Shale Gas and Coal. Environmental Science & amp; Technology, 2017, 51, 13018-13027.	10.0	16

#	Article	IF	CITATIONS
486	Technological tools for sustainable development in developing countries: The example of Africa, a review. Sustainable Chemistry and Pharmacy, 2017, 6, 67-81.	3.3	26
487	Normalisation in life-cycle assessment: consequences of new European factors on decision-making. Supply Chain Forum, 2017, 18, 76-83.	4.2	23
488	Is SCENA a good approach for side-stream integrated treatment from an environmental and economic point of view?. Water Research, 2017, 125, 478-489.	11.3	33
489	Including biodiversity in life cycle assessment – State of the art, gaps and research needs. Environmental Impact Assessment Review, 2017, 67, 88-100.	9.2	72
490	The potential ecotoxicological impact of pharmaceutical and personal care products on humans and freshwater, based on USEtoxâ,,¢ characterization factors. A Spanish case study of toxicity impact scores. Science of the Total Environment, 2017, 609, 429-445.	8.0	42
491	Evaluating nanotechnology opportunities and risks through integration of life-cycle and risk assessment. Nature Nanotechnology, 2017, 12, 734-739.	31.5	46
492	Norwegian Waste-to-Energy: Climate change, circular economy and carbon capture and storage. Resources, Conservation and Recycling, 2017, 126, 50-61.	10.8	75
493	Improving substance information in USEtox ^{\hat{A}^{\otimes}} , part 2: Data for estimating fate and ecosystem exposure factors. Environmental Toxicology and Chemistry, 2017, 36, 3463-3470.	4.3	36
494	LCA to Evaluate the Environmental Impact for Chemical Pre-treatment in Plastics Metallization. Journal of Polymers and the Environment, 2017, 25, 961-972.	5.0	10
495	Recycling of used lubricating oil: Evaluation of environmental and energy performance by LCA. Resources, Conservation and Recycling, 2017, 125, 315-323.	10.8	46
496	Application of life cycle thinking towards sustainable cities: A review. Journal of Cleaner Production, 2017, 166, 939-951.	9.3	110
497	A Framework for Accurately Informing Facilitated Regional Industrial Symbioses on Environmental Consequences. Journal of Industrial Ecology, 2017, 21, 1049-1067.	5.5	7
498	Life cycle assessment of clothing libraries: can collaborative consumption reduce the environmental impact of fast fashion?. Journal of Cleaner Production, 2017, 162, 1368-1375.	9.3	176
499	Modeling human health characterization factors for indoor nanomaterial emissions in life cycle assessment: a case-study of titanium dioxide. Environmental Science: Nano, 2017, 4, 1705-1721.	4.3	11
500	A comprehensive framework for evaluating the environmental health and safety implications of engineered nanomaterials. Critical Reviews in Toxicology, 2017, 47, 771-814.	3.9	54
501	A review of the airborne and waterborne emissions from uncontrolled solid waste disposal sites. Critical Reviews in Environmental Science and Technology, 2017, 47, 1003-1041.	12.8	16
502	Intensification of municipal solid waste disposal in China. Renewable and Sustainable Energy Reviews, 2017, 69, 168-176.	16.4	111
503	Selection of Impact Categories, Category Indicators and Characterization Models in Goal and Scope Definition. LCA Compendium, 2017, , 63-122.	0.8	12

#	Article	IF	CITATIONS
504	Exploring REACH as a potential data source for characterizing ecotoxicity in life cycle assessment. Environmental Toxicology and Chemistry, 2017, 36, 492-500.	4.3	27
505	Use of product and ingredient tools to assess the environmental profile of automatic dishwashing detergents. Journal of Cleaner Production, 2017, 142, 3536-3543.	9.3	9
506	Life cycle analysis of hydrothermal carbonization of olive mill waste: Comparison with current management approaches. Journal of Cleaner Production, 2017, 142, 2637-2648.	9.3	82
507	Life cycle assessment of wood-plastic composites: Analysing alternative materials and identifying an environmental sound end-of-life option. Resources, Conservation and Recycling, 2017, 117, 235-248.	10.8	106
508	Environmental Aspects of Energetic Materials Use and Disposal. Springer Aerospace Technology, 2017, , 727-741.	0.3	3
509	A risk-based, product-level approach for assuring aquatic environmental safety of cleaning products in the context of sustainability: The Environmental Safety Check (ESC) scheme of the A.I.S.E. Charter for Sustainable Cleaning. Integrated Environmental Assessment and Management, 2017, 13, 127-138.	2.9	4
510	Life cycle assessment from early development stages: the case of gelatin extracted from tilapia residues. International Journal of Life Cycle Assessment, 2017, 22, 767-783.	4.7	15
511	Comparative Environmental Life Cycle Assessment of Biohydrogen Production from Biomass Resources. , 2017, , 269-289.		2
512	Next generation testing strategy for assessment of genomic damage: A conceptual framework and considerations. Environmental and Molecular Mutagenesis, 2017, 58, 264-283.	2.2	57
513	Comparative Human Health Impact Assessment of Engineered Nanomaterials in the Framework of Life Cycle Assessment. Risk Analysis, 2017, 37, 1358-1374.	2.7	13
514	Life cycle assessment of medium-density fiberboard (MDF) manufacturing process in Brazil. Science of the Total Environment, 2017, 575, 103-111.	8.0	63
515	A review of models for near-field exposure pathways of chemicals in consumer products. Science of the Total Environment, 2017, 574, 1182-1208.	8.0	59
516	Selection of Nanomaterial-Based Active Agents for Packaging Application: Using Life Cycle Assessment (LCA) as a Tool. Packaging Technology and Science, 2017, 30, 575-586.	2.8	20
517	Inclusion of uncertainty in the LCA comparison of different cherry tomato production scenarios. International Journal of Life Cycle Assessment, 2017, 22, 798-811.	4.7	22
518	Assessing wastewater treatment in Latin America and the Caribbean: Enhancing life cycle assessment interpretation by regionalization and impact assessment sensibility. Journal of Cleaner Production, 2017, 142, 2140-2153.	9.3	61
519	Identification of Key Sustainability Performance Indicators and related assessment methods for the carbon fiber recycling sector. Ecological Indicators, 2017, 72, 833-847.	6.3	20
520	Is copper fungicide that bad?. Acta Horticulturae, 2017, , 333-338.	0.2	0
521	The Challenges of Applying Planetary Boundaries as a Basis for Strategic Decision-Making in Companies with Global Supply Chains. Sustainability, 2017, 9, 279.	3.2	78

		REPORT	
#	Article	IF	CITATIONS
522	Life Cycle Impact Assessment in the Arctic: Challenges and Research Needs. Sustainability, 2017, 9, 1605.	3.2	9
523	Life Cycle Environmental Impact Assessment. , 2017, , 225-232.		2
524	Needs and challenges for assessing the environmental impacts of engineered nanomaterials (ENMs). Beilstein Journal of Nanotechnology, 2017, 8, 989-1014.	2.8	34
525	LCA in Relation to Risk Assessment. , 2017, , 243-251.		1
526	The BASF Eco-Efficiency Toolbox: Holistic Evaluation of Sustainable Solutions. , 2017, , 131-144.		9
527	Waste management in the Irkutsk region, Siberia, Russia: An environmental assessment of alternative development scenarios. Waste Management and Research, 2018, 36, 373-385.	3.9	24
528	Source-to-exposure assessment with the Pangea multi-scale framework – case study in Australia. Environmental Sciences: Processes and Impacts, 2018, 20, 133-144.	3.5	18
529	Including metal atmospheric fate and speciation in soils for terrestrial ecotoxicity in life cycle impact assessment. International Journal of Life Cycle Assessment, 2018, 23, 2178-2188.	4.7	6
530	Measuring the potential for sustainable intensification of aquaculture in Bangladesh using life cycle assessment. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2958-2963.	7.1	90
531	Supercritical Fluid Flow Synthesis to Support Sustainable Production of Engineered Nanomaterials: Case Study of Titanium Dioxide. ACS Sustainable Chemistry and Engineering, 2018, 6, 5142-5151.	6.7	28
532	Headline Environmental Indicators Revisited with the Global Multiâ€Regional Inputâ€Output Database EXIOBASE. Journal of Industrial Ecology, 2018, 22, 565-573.	5.5	23
533	Addressing bystander exposure to agricultural pesticides in life cycle impact assessment. Chemosphere, 2018, 197, 541-549.	8.2	17
534	Global variations in pesticide regulations and health risk assessment of maximum concentration levels in drinking water. Journal of Environmental Management, 2018, 212, 384-394.	7.8	40
536	Estimating chemical footprint: contamination with mercury and its compounds. Pure and Applied Chemistry, 2018, 90, 857-868.	1.9	12
537	A comparative life cycle assessment of endâ€ofâ€life treatment pathways for photovoltaic backsheets. Progress in Photovoltaics: Research and Applications, 2018, 26, 443-459.	8.1	47
538	Life cycle environmental impacts of advanced wastewater treatment techniques for removal of pharmaceuticals and personal care products (PPCPs). Journal of Environmental Management, 2018, 215, 258-272.	7.8	113
539	The Green ChemisTREE: 20 years after taking root with the 12 principles. Green Chemistry, 2018, 20, 1929-1961.	9.0	499
540	Life cycle assessment of a biomass CHP plant in UK: The Heathrow energy centre case. Chemical Engineering Research and Design, 2018, 133, 210-221.	5.6	27

#	Article	IF	CITATIONS
541	Life cycle considerations of nano-enabled agrochemicals: are today's tools up to the task?. Environmental Science: Nano, 2018, 5, 1057-1069.	4.3	26
542	Customised life cycle assessment tool for sugarcane (CaneLCA)—a development in the evaluation of alternative agricultural practices. International Journal of Life Cycle Assessment, 2018, 23, 2150-2164.	4.7	13
543	Cleaner fruit production with green manure: The case of Brazilian melons. Journal of Cleaner Production, 2018, 181, 260-270.	9.3	21
544	Integrative Application of Life Cycle Assessment and Risk Assessment to Environmental Impacts of Anthropogenic Pollutants at a Watershed Scale. Bulletin of Environmental Contamination and Toxicology, 2018, 100, 41-48.	2.7	5
545	Sensitivity analysis of temporal parameters in a dynamic LCA framework. Science of the Total Environment, 2018, 624, 1250-1262.	8.0	47
546	Life cycle assessment of manufactured nanomaterials: Where are we?. NanoImpact, 2018, 10, 108-120.	4.5	129
547	Multiscale Spatial Modeling of Human Exposure from Local Sources to Global Intake. Environmental Science & Technology, 2018, 52, 701-711.	10.0	20
548	Uncertainty in LCA case study due to allocation approaches and life cycle impact assessment methods. International Journal of Life Cycle Assessment, 2018, 23, 2055-2070.	4.7	60
549	A screening framework for pesticide substitution in agriculture. Journal of Cleaner Production, 2018, 192, 306-315.	9.3	27
550	Are the present standard methods effectively useful to mitigate the environmental impact of the 99% EU food and drink enterprises?. Trends in Food Science and Technology, 2018, 77, 42-53.	15.1	19
551	The potential to use QSAR to populate ecotoxicity characterisation factors for simplified LCIA and chemical prioritisation. International Journal of Life Cycle Assessment, 2018, 23, 2208-2216.	4.7	6
552	Freshwater ecotoxicity characterization factors for aluminum. International Journal of Life Cycle Assessment, 2018, 23, 2137-2149.	4.7	5
553	A Multimedia Hydrological Fate Modeling Framework To Assess Water Consumption Impacts in Life Cycle Assessment. Environmental Science & Technology, 2018, 52, 4658-4667.	10.0	17
554	Global guidance on environmental life cycle impact assessment indicators: impacts of climate change, fine particulate matter formation, water consumption and land use. International Journal of Life Cycle Assessment, 2018, 23, 2189-2207.	4.7	94
555	Sensitivity-based research prioritization through stochastic characterization modeling. International Journal of Life Cycle Assessment, 2018, 23, 324-332.	4.7	22
557	Life cycle assessment of wood-based boards produced in Japan and impact of formaldehyde emissions during the use stage. International Journal of Life Cycle Assessment, 2018, 23, 957-969.	4.7	33
558	Sensitive parameters in local agricultural life cycle assessments: the illustrative case of cereal production in Wallonia, Belgium. International Journal of Life Cycle Assessment, 2018, 23, 225-250.	4.7	9
559	USEtox characterisation factors for textile chemicals based on a transparent data source selection strategy. International Journal of Life Cycle Assessment, 2018, 23, 890-903.	4.7	25

#	Article	IF	Citations
560	Populus nigra L. as a bioindicator of atmospheric trace element pollution and potential toxic impacts on human and ecosystem. Ecological Indicators, 2018, 95, 974-983.	6.3	19
561	Modelling environmental effects of selected agricultural management strategies with regional statistically based screening LCA. International Journal of Life Cycle Assessment, 2018, 23, 12-25.	4.7	10
562	Economic and Environmental Impact Tradeâ€Offs Related to Inâ€Water Hull Cleanings of Merchant Vessels. Journal of Industrial Ecology, 2018, 22, 916-929.	5.5	12
563	Human health tradeoffs in wellhead drinking water treatment: Comparing exposure reduction to embedded life cycle risks. Water Research, 2018, 128, 246-254.	11.3	26
564	New and updated life cycle inventories for surfactants used in European detergents: summary of the ERASM surfactant life cycle and ecofootprinting project. International Journal of Life Cycle Assessment, 2018, 23, 867-886.	4.7	31
565	WW LCI v2: A second-generation life cycle inventory model for chemicals discharged to wastewater systems. Science of the Total Environment, 2018, 622-623, 1649-1657.	8.0	9
566	Impacts from urban water systems on receiving waters – How to account for severe wet-weather events in LCA?. Water Research, 2018, 128, 412-423.	11.3	33
567	The role of bioassays in the evaluation of ecotoxicological aspects within the PEF/OEF protocols: The case of WWTPs. Ecotoxicology and Environmental Safety, 2018, 147, 742-748.	6.0	9
568	Modeling ecotoxicity impacts in vineyard production: Addressing spatial differentiation for copper fungicides. Science of the Total Environment, 2018, 616-617, 796-804.	8.0	35
569	Environmental life cycle assessment of fresh and processed sweet cherries in southern Italy. Journal of Cleaner Production, 2018, 171, 184-197.	9.3	26
570	Towards better monitoring of technology critical elements in Europe: Coupling of natural and anthropogenic cycles. Science of the Total Environment, 2018, 613-614, 569-578.	8.0	61
571	LCA of Food and Agriculture. , 2018, , 723-754.		15
572	LCA of Chemicals and Chemical Products. , 2018, , 783-815.		7
573	Illustrative Case Study: Life Cycle Assessment of Four Window Alternatives. , 2018, , 1059-1146.		2
574	Overview of Existing LCIA Methods—Annex to Chapter 10. , 2018, , 1147-1183.		5
575	Environmental assessment of waste feedstock mono-dimensional and bio-refinery systems: Combining manure co-digestion and municipal waste anaerobic digestion. Journal of Cleaner Production, 2018, 171, 954-961.	9.3	30
576	A socio-eco-efficiency analysis of integrated and non-integrated crop-livestock-forestry systems in the Brazilian Cerrado based on LCA. Journal of Cleaner Production, 2018, 171, 1460-1471.	9.3	75
577	Life Cycle Impact Assessment. , 2018, , 167-270.		56

#	Article	IF	CITATIONS
578	Life cycle assessment of nanoadsorbents at early stage technological development. Journal of Cleaner Production, 2018, 174, 527-537.	9.3	20
579	Relative impacts of methylammonium lead triiodide perovskite solar cells based on life cycle assessment. Solar Energy Materials and Solar Cells, 2018, 179, 169-177.	6.2	34
580	Impact assessment of enhanced exposure from Naturally Occurring Radioactive Materials (NORM) within LCA. Journal of Cleaner Production, 2018, 172, 2824-2839.	9.3	15
581	The Product Environmental Footprint (PEF) of photovoltaic modules—Lessons learned from the environmental footprint pilot phase on the way to a single market for green products in the European Union. Progress in Photovoltaics: Research and Applications, 2018, 26, 553-564.	8.1	24
582	Assessing water footprint in a wine appellation: A case study for Ribeiro in Galicia, Spain. Journal of Cleaner Production, 2018, 172, 2097-2107.	9.3	23
583	Life cycle assessment of optimised chemical looping air separation systems for electricity production. Chemical Engineering Research and Design, 2018, 131, 686-698.	5.6	12
584	Metal toxicity characterization factors for marine ecosystems—considering the importance of the estuary for freshwater emissions. International Journal of Life Cycle Assessment, 2018, 23, 1641-1653.	4.7	5
586	Comparison of the environmental impact of the conventional nickel electroplating and the new nickel electroplating. International Journal of Life Cycle Assessment, 2018, 23, 1609-1623.	4.7	10
587	Comparative life cycle assessment of electric motors with different efficiency classes: a deep dive into the trade-offs between the life cycle stages in ecodesign context. International Journal of Life Cycle Assessment, 2018, 23, 1590-1608.	4.7	12
588	Comprehensive water footprint assessment of the dairy industry chain based on ISO 14046: A case study in China. Resources, Conservation and Recycling, 2018, 132, 369-375.	10.8	42
589	In search of indicators to assess the environmental impact of diets. International Journal of Life Cycle Assessment, 2018, 23, 1297-1314.	4.7	19
590	Multi-criteria assessment tool for sustainability appraisal of remediation alternatives for a contaminated site. Journal of Soils and Sediments, 2018, 18, 3334-3348.	3.0	25
591	Emerging Tools in the Assessment of Metals: Current Applicability. , 2018, , 245-269.		0
592	Environmental and Social Pressures in Mining. Results from a Sustainability Hotspots Screening. Resources, 2018, 7, 80.	3.5	21
593	Developing Ecological Life Cycle Impact Assessment Characterization Factors for CdTe. , 2018, , .		0
594	Estimating Chemical Footprint on High-resolution Geospatial Grid. Procedia CIRP, 2018, 69, 469-474.	1.9	7
595	Structuring Complex Results using Network Maps and Hierarchical Charts. Procedia CIRP, 2018, 69, 441-446.	1.9	4
596	Terrestrial Ecotoxic Impacts Stemming from Emissions of Cd, Cu, Ni, Pb and Zn from Manure: A Spatially Differentiated Assessment in Europe. Sustainability, 2018, 10, 4094.	3.2	6

#	Article	IF	CITATIONS
597	Regionalized Terrestrial Ecotoxicity Assessment of Copper-Based Fungicides Applied in Viticulture. Sustainability, 2018, 10, 2522.	3.2	11
598	Perovskite Photovoltaic Modules: Life Cycle Assessment of Pre-industrial Production Process. IScience, 2018, 9, 542-551.	4.1	51
599	The public health benefit and burden of mass drug administration programs in Vietnamese schoolchildren: Impact of mebendazole. PLoS Neglected Tropical Diseases, 2018, 12, e0006954.	3.0	5
600	Making hydrochar suitable for agricultural soil: A thermal treatment to remove organic phytotoxic compounds. Journal of Environmental Chemical Engineering, 2018, 6, 7029-7034.	6.7	51
601	A Model for Risk-Based Screening and Prioritization of Human Exposure to Chemicals from Near-Field Sources. Environmental Science & Technology, 2018, 52, 14235-14244.	10.0	38
602	Advancements in Life Cycle Human Exposure and Toxicity Characterization. Environmental Health Perspectives, 2018, 126, 125001.	6.0	44
603	A Bayesian generalized log-normal model to dynamically evaluate the distribution of pesticide residues in soil associated with population health risks. Environment International, 2018, 121, 620-634.	10.0	16
604	Towards the environmental sustainability assessment for the viticulture. Journal of Agricultural Engineering, 2018, 49, 19-28.	1.5	10
605	Safety Assessment of Graphene-Based Materials: Focus on Human Health and the Environment. ACS Nano, 2018, 12, 10582-10620.	14.6	438
607	An operational methodology for applying dynamic Life Cycle Assessment to buildings. Building and Environment, 2018, 144, 611-621.	6.9	69
607 608	An operational methodology for applying dynamic Life Cycle Assessment to buildings. Building and Environment, 2018, 144, 611-621. Toward harmonizing ecotoxicity characterization in life cycle impact assessment. Environmental Toxicology and Chemistry, 2018, 37, 2955-2971.	6.9 4.3	69 62
607 608 609	An operational methodology for applying dynamic Life Cycle Assessment to buildings. Building and Environment, 2018, 144, 611-621. Toward harmonizing ecotoxicity characterization in life cycle impact assessment. Environmental Toxicology and Chemistry, 2018, 37, 2955-2971. Integrating High-Resolution Material Flow Data into the Environmental Assessment of Waste Management System Scenarios: The Case of Plastic Packaging in Austria. Environmental Science & amp; Technology, 2018, 52, 10934-10945.	6.9 4.3 10.0	69 62 54
607 608 609 610	An operational methodology for applying dynamic Life Cycle Assessment to buildings. Building and Environment, 2018, 144, 611-621.Toward harmonizing ecotoxicity characterization in life cycle impact assessment. Environmental Toxicology and Chemistry, 2018, 37, 2955-2971.Integrating High-Resolution Material Flow Data into the Environmental Assessment of Waste Management System Scenarios: The Case of Plastic Packaging in Austria. Environmental Science & amp; Technology, 2018, 52, 10934-10945.Environmental burden mitigation potential of oil field gas-assisted coal-to-olefin production. Energy, 2018, 157, 1015-1024.	6.94.310.08.8	 69 62 54 14
607 608 609 610	An operational methodology for applying dynamic Life Cycle Assessment to buildings. Building and Environment, 2018, 144, 611-621. Toward harmonizing ecotoxicity characterization in life cycle impact assessment. Environmental Toxicology and Chemistry, 2018, 37, 2955-2971. Integrating High-Resolution Material Flow Data into the Environmental Assessment of Waste Management System Scenarios: The Case of Plastic Packaging in Austria. Environmental Science & amp; Technology, 2018, 52, 10934-10945. Environmental burden mitigation potential of oil field gas-assisted coal-to-olefin production. Energy, 2018, 157, 1015-1024. An Iterative Approach To Evaluate and Guide Fine Chemical Processes: An Example from Chloroaluminum Phthalocyanine for Photovoltaic Applications. ACS Sustainable Chemistry and Engineering, 2018, 6, 8230-8237.	 6.9 4.3 10.0 8.8 6.7 	 69 62 54 14 11
 607 608 609 610 611 612 	An operational methodology for applying dynamic Life Cycle Assessment to buildings. Building and Environment, 2018, 144, 611-621.Toward harmonizing ecotoxicity characterization in life cycle impact assessment. Environmental Toxicology and Chemistry, 2018, 37, 2955-2971.Integrating High-Resolution Material Flow Data into the Environmental Assessment of Waste Management System Scenarios: The Case of Plastic Packaging in Austria. Environmental Science & amp; Technology, 2018, 52, 10934-10945.Environmental burden mitigation potential of oil field gas-assisted coal-to-olefin production. Energy, 2018, 157, 1015-1024.An Iterative Approach To Evaluate and Guide Fine Chemical Processes: An Example from Chloroaluminum Phthalocyanine for Photovoltaic Applications. ACS Sustainable Chemistry and Engineering, 2018, 6, 8230-8237.Rapid experimental measurements of physicochemical properties to inform models and testing. Science of the Total Environment, 2018, 636, 901-909.	 6.9 4.3 10.0 8.8 6.7 8.0 	 69 62 54 14 11 17
 607 608 609 610 611 612 613 	An operational methodology for applying dynamic Life Cycle Assessment to buildings. Building and Environment, 2018, 144, 611-621. Toward harmonizing ecotoxicity characterization in life cycle impact assessment. Environmental Toxicology and Chemistry, 2018, 37, 2955-2971. Integrating High-Resolution Material Flow Data into the Environmental Assessment of Waste Management System Scenarios: The Case of Plastic Packaging in Austria. Environmental Science & amp; Technology, 2018, 52, 10934-10945. Environmental burden mitigation potential of oil field gas-assisted coal-to-olefin production. Energy, 2018, 157, 1015-1024. An Iterative Approach To Evaluate and Guide Fine Chemical Processes: An Example from Chloroaluminum Phthalocyanine for Photovoltaic Applications. ACS Sustainable Chemistry and Engineering, 2018, 6, 8230-8237. Rapid experimental measurements of physicochemical properties to inform models and testing. Science of the Total Environment, 2018, 636, 901-909. Sustainability and LCA in Engineering Education – A Course Curriculum. Procedia CIRP, 2018, 69, 627-632.	 6.9 4.3 10.0 8.8 6.7 8.0 1.9 	 69 62 54 14 11 17 15
 607 608 609 610 611 612 613 614 	An operational methodology for applying dynamic Life Cycle Assessment to buildings. Building and Environment, 2018, 144, 611-621. Toward harmonizing ecotoxicity characterization in life cycle impact assessment. Environmental Toxicology and Chemistry, 2018, 37, 2955-2971. Integrating High-Resolution Material Flow Data into the Environmental Assessment of Waste Management System Scenarios: The Case of Plastic Packaging in Austria. Environmental Science & amp; Technology, 2018, 52, 10934-10945. Environmental burden mitigation potential of oil field gas-assisted coal-to-olefin production. Energy, 2018, 157, 1015-1024. An Iterative Approach To Evaluate and Guide Fine Chemical Processes: An Example from Chloroaluminum Phthalocyanine for Photovoltaic Applications. ACS Sustainable Chemistry and Engineering, 2018, 6, 8230-8237. Rapid experimental measurements of physicochemical properties to inform models and testing. Science of the Total Environment, 2018, 636, 901-909. Sustainability and LCA in Engineering Education – A Course Curriculum. Procedia CIRP, 2018, 69, 627-632. Life cycle assessment of the environmental impacts and energy efficiency of an integration of sludge anaerobic digestion and pyrolysis. Journal of Cleaner Production, 2018, 195, 476-485.	 6.9 4.3 10.0 8.8 6.7 8.0 1.9 9.3 	 69 62 54 14 11 17 15 88

#	Article	IF	CITATIONS
616	Environmental Effects of the Technology Transition from Liquid–Crystal Display (LCD) to Organic Light-Emitting Diode (OLED) Display from an E-Waste Management Perspective. International Journal of Environmental Research, 2018, 12, 479-488.	2.3	16
617	Aluminium cables recycling process: Environmental impacts identification and reduction. Resources, Conservation and Recycling, 2018, 135, 150-162.	10.8	11
618	Comparative Life Cycle Assessment of Advanced Wastewater Treatment Processes for Removal of Chemicals of Emerging Concern. Environmental Science & Technology, 2018, 52, 11346-11358.	10.0	52
619	Designing Sustainable Technologies, Products and Policies. , 2018, , .		18
620	Comparative assessment of solar photovoltaic panels based on metal-derived hazardous waste, resource depletion, and toxicity potentials. International Journal of Green Energy, 2018, 15, 550-557.	3.8	23
621	Life Cycle Assessment of a Highly Diverse Vegetable Multi-Cropping System in Fengqiu County, China. Sustainability, 2018, 10, 983.	3.2	22
622	Hydrogen Supply Chains for Mobility—Environmental and Economic Assessment. Sustainability, 2018, 10, 1699.	3.2	66
623	Impacts of Decarbonisation on the Water-Energy-Land (WEL) Nexus: A Case Study of the Spanish Electricity Sector. Energies, 2018, 11, 1203.	3.1	18
624	Integrating site-specific dispersion modeling into life cycle assessment, with a focus on inhalation risks in chemical production. Journal of the Air and Waste Management Association, 2018, 68, 1224-1238.	1.9	5
625	Evaluation of multiple cation/anion perovskite solar cells through life cycle assessment. Sustainable Energy and Fuels, 2018, 2, 1600-1609.	4.9	23
626	Life cycle assessment on PERC solar modules. Solar Energy Materials and Solar Cells, 2018, 187, 154-159.	6.2	27
627	Life cycle assessment of grocery, perishable, and general merchandise multi-facility distribution center networks. Energy and Buildings, 2018, 174, 388-401.	6.7	18
628	Environmental and economic performance assessment of alternative acid gas removal technologies for waste-to-energy plants. Sustainable Production and Consumption, 2018, 16, 202-215.	11.0	24
629	Economic analysis and life cycle impact assessment of municipal solid waste (MSW) disposal: A case study of Mumbai, India. Waste Management and Research, 2018, 36, 1177-1189.	3.9	26
630	Ecotoxicity assessment of short- and medium-chain chlorinated paraffins used in polyvinyl-chloride products for construction industry. Science of the Total Environment, 2018, 640-641, 523-528.	8.0	19
631	Health risk assessment due to biomass smoke exposure in Indian indoor environment: An empirical approach using lung deposition model. Science of the Total Environment, 2018, 640-641, 935-942.	8.0	16
632	Water footprint profile of crop-based vegetable oils and waste cooking oil: Comparing two water scarcity footprint methods. Journal of Cleaner Production, 2018, 195, 1190-1202.	9.3	25
633	Life Cycle Assessment of New High Concentration Photovoltaic (HCPV) Modules and Multi-Junction Cells. Energies, 2019, 12, 2916.	3.1	4

ARTICLE IF CITATIONS Cross-country comparison on environmental impacts of particleboard production in Brazil and Spain. 634 10.8 17 Resources, Conservation and Recycling, 2019, 150, 104434. New approach methodologies for exposure science. Current Opinion in Toxicology, 2019, 15, 76-92. 5.0 Environmental impacts of an advanced oxidation process as tertiary treatment in a wastewater 636 8.0 91 treatment plant. Science of the Total Environment, 2019, 694, 133572. A life cycle assessment of intermediate rubber products in Thailand from the product environmental footprint perspective. Journal of Cleaner Production, 2019, 237, 117632. Emissions of DEHP from vehicle cabin materials: parameter determination, impact factors and 638 3.5 6 exposure analysis. Environmental Sciences: Processes and Impacts, 2019, 21, 1323-1333. Assessing the environmental sustainability of glucose from wheat as a fermentation feedstock. Journal of Environmental Management, 2019, 247, 323-332. 7.8 Environmental impact assessment model for substitution of hazardous substances by using life cycle 641 7.5 7 approach. Environmental Pollution, 2019, 254, 112945. Analysis of beneficial management practices to mitigate environmental impacts in dairy production 642 6.1 14 systems around the Great Lakes. Agricultural Systems, 2019, 176, 102660. Assessing sustainability performance in the educational sector. A high school case study. Science of 643 8.0 7 the Total Environment, 2019, 692, 465-478. Modelling Environmental Burdens of Indoor-Grown Vegetables and Herbs as Affected by Red and Blue 644 3.2 LED Lighting. Sustainability, 2019, 11, 4063. Life cycle assessment of emerging Ni–Co hydroxide charge storage electrodes: impact of graphene 645 3.6 10 oxide and synthesis route. RSC Advances, 2019, 9, 18853-18862. Assessing the decoupling of economic growth from environmental impacts in the European Union: A 9.3 98 consumption-based approach. Journal of Cleaner Production, 2019, 236, 117535. A systematic study on EN-998-2 premixed mortars modified with graphene-based materials. 647 7.2 35 Construction and Building Materials, 2019, 227, 116701. Environmental Hotspot Analysis Based on Product Life Cycle. Journal of Life Cycle Assessment Japan, 648 2019, 15, 10-21. Life beyond the grid: A Life-Cycle Sustainability Assessment of household energy needs. Applied Energy, 649 10.1 15 2019, 255, 113881. Evaluating climate change pathways through a building's lifecycle based on Dynamic Life Cycle Assessment. Building and Environment, 2019, 164, 106377. Life cycle assessment of rare earths recovery from waste fluorescent powders – A case study in 652 7.4 17 China. Waste Management, 2019, 99, 60-70. Life cycle assessment of city buses powered by electricity, hydrogenated vegetable oil or diesel. 6.8 Transportation Research, Part D: Transport and Environment, 2019, 75, 211-222.

#	Article	IF	CITATIONS
654	Evaluation of fast and slow pyrolysis methods for bio-oil and activated carbon production from eucalyptus wastes using a life cycle assessment approach. Journal of Cleaner Production, 2019, 241, 118394.	9.3	68
655	Treatment of a synthetic colored effluent in raceway reactors: The role of operational conditions on the environmental performance of a photo-Fenton process. Science of the Total Environment, 2019, 697, 134182.	8.0	6
656	State-of-the-art and limitations in the life cycle assessment of ionic liquids. Journal of Cleaner Production, 2019, 217, 844-858.	9.3	55
657	Environmental effects of the technology transformation from hardâ€disk to solidâ€state drives from resource depletion and toxicity management perspectives. Integrated Environmental Assessment and Management, 2019, 15, 292-298.	2.9	6
658	Modelling environmental impacts of treated municipal wastewater reuse for tree crops irrigation in the Mediterranean coastal region. Science of the Total Environment, 2019, 660, 1513-1521.	8.0	36
659	Using Life Cycle Thinking to Assess the Sustainability Benefits of Complex Valorization Pathways for Bauxite Residue. Journal of Sustainable Metallurgy, 2019, 5, 69-84.	2.3	21
660	Defining freshwater as a natural resource: a framework linking water use to the area of protection natural resources. International Journal of Life Cycle Assessment, 2019, 24, 960-974.	4.7	33
661	Burden of disease for workers attributable to exposure through inhalation of PPAHs in RSPM from cooking fumes. Environmental Science and Pollution Research, 2019, 26, 8885-8894.	5.3	12
662	Using REACH for the EU Environmental Footprint: Building a Usable Ecotoxicity Database, Part I. Integrated Environmental Assessment and Management, 2019, 15, 783-795.	2.9	12
663	Product environmental footprints assessment for product life cycle. Journal of Cleaner Production, 2019, 233, 446-460.	9.3	54
664	Human health benefit and burden of the schizophrenia health care pathway in Belgium: paliperidone palmitate long-acting injections. BMC Health Services Research, 2019, 19, 393.	2.2	11
665	Bioconversion of fruit and vegetable waste into earthworms as a new protein source: The environmental impact of earthworm meal production. Science of the Total Environment, 2019, 683, 690-698.	8.0	47
666	Eco-efficiency of tomato from Rwamagana district in Rwanda: From field constraints to statistical significance. Journal of Cleaner Production, 2019, 229, 420-430.	9.3	5
667	Can we assess innovative bio-based chemicals in their early development stage? A comparison between early-stage and life cycle assessments. Journal of Cleaner Production, 2019, 230, 137-149.	9.3	17
668	Life Cycle Assessment in the minerals industry: Current practice, harmonization efforts, and potential improvement through the integration with process simulation. Journal of Cleaner Production, 2019, 232, 174-192.	9.3	48
669	Life Cycle Assessment of tandem LSC-Si devices. Energy, 2019, 181, 1-10.	8.8	9
670	A hazard classification system based on incorporation of REACH regulation thresholds in the USEtox method. Journal of Cleaner Production, 2019, 228, 856-866.	9.3	4
671	Towards integrating toxicity characterization into environmental studies: case study of bromine in soils. Environmental Science and Pollution Research, 2019, 26, 19814-19827.	5.3	15

#	Article	IF	CITATIONS
672	Environmental and occupational impacts from U.S. beef slaughtering are of same magnitude of beef foodborne illnesses on human health. Environment International, 2019, 129, 507-516.	10.0	15
673	Regionalizing eco-toxicity characterization factors for copper soil emissions considering edaphic information for Northern Spain and Portuguese vineyards. Science of the Total Environment, 2019, 686, 986-994.	8.0	7
674	Comparing environmental and personal health impacts of individual food choices. Science of the Total Environment, 2019, 685, 609-620.	8.0	16
676	Flash infrared annealing as a cost-effective and low environmental impact processing method for planar perovskite solar cells. Materials Today, 2019, 31, 39-46.	14.2	65
677	Regionalized aquatic ecotoxicity characterization factor for zinc emitted to soil accounting for speciation and the transfer through groundwater. International Journal of Life Cycle Assessment, 2019, 24, 2008-2022.	4.7	6
678	The Role of Hydrogen in the Ecological Benefits of Ultra Low Sulphur Diesel Production and Use: An LCA Benchmark. Sustainability, 2019, 11, 2184.	3.2	6
679	An inventory framework for inclusion of textile chemicals in life cycle assessment. International Journal of Life Cycle Assessment, 2019, 24, 838-847.	4.7	20
680	Comparing Life Cycle Assessment (LCA) of Salmonid Aquaculture Production Systems: Status and Perspectives. Sustainability, 2019, 11, 2517.	3.2	55
681	A Comparative Life Cycle Assessment of Crop Systems Irrigated with the Groundwater and Reclaimed Water in Northern China. Sustainability, 2019, 11, 2743.	3.2	28
682	SSDs revisited: part ll—practical considerations in the development and use of application factors applied to species sensitivity distributions. Environmental Toxicology and Chemistry, 2019, 38, 1526-1541.	4.3	18
683	SSDs Revisited: Part l—A Framework for Sample Size Guidance on Species Sensitivity Distribution Analysis. Environmental Toxicology and Chemistry, 2019, 38, 1514-1525.	4.3	27
684	Improving the Life Cycle Impact Assessment of Metal Ecotoxicity: Importance of Chromium Speciation, Water Chemistry, and Metal Release. Sustainability, 2019, 11, 1655.	3.2	7
685	Methane from waste: Thermal and biological technologies compared under a life cycle assessment perspective. , 2019, , 275-315.		1
686	Getting the chemicals right: Toward characterizing toxicity and ecotoxicity impacts of inorganic substances. Journal of Cleaner Production, 2019, 227, 554-565.	9.3	25
687	Resource and environmental impacts of using second-hand laptop computers: A case study of commercial reuse. Waste Management, 2019, 88, 268-279.	7.4	40
689	Life cycle assessment of point source emissions and infrastructure impacts of four types of urban stormwater systems. Water Research, 2019, 156, 383-394.	11.3	16
690	Temporally explicit life cycle assessment as an environmental performance decision making tool in rare earth project development. Minerals Engineering, 2019, 135, 64-73.	4.3	22
691	Comparison of Water-focused Life Cycle Assessment and Water Footprint Assessment: The case of an Italian wine. Science of the Total Environment, 2019, 666, 1220-1231.	8.0	36

#	Article	IF	CITATIONS
692	Effect of transportation of fly ash: Life cycle assessment and life cycle cost analysis of concrete. Cement and Concrete Composites, 2019, 99, 214-224.	10.7	51
693	Life cycle assessment of advanced wastewater treatment processes: Involving 126 pharmaceuticals and personal care products in life cycle inventory. Journal of Environmental Management, 2019, 238, 442-450.	7.8	73
694	Confronting variability with uncertainty in the ecotoxicological impact assessment of down-the-drain products. Environment International, 2019, 126, 37-45.	10.0	18
695	Life-cycle sustainability assessment of key electricity generation systems in Portugal. Energy, 2019, 176, 131-142.	8.8	67
696	Pollution levels of stormwater discharges and resulting environmental impacts. Science of the Total Environment, 2019, 663, 754-763.	8.0	41
697	Improving the sensitivity of safety and health index assessment in optimal molecular design framework. Computers and Chemical Engineering, 2019, 124, 238-252.	3.8	5
698	IMPACT World+: a globally regionalized life cycle impact assessment method. International Journal of Life Cycle Assessment, 2019, 24, 1653-1674.	4.7	262
699	Global emission hotspots of coal power generation. Nature Sustainability, 2019, 2, 113-121.	23.7	149
702	A Circular Economy Approach to Military Munitions: Valorization of Energetic Material from Ammunition Disposal through Incorporation in Civil Explosives. Sustainability, 2019, 11, 255.	3.2	10
703	Life-cycle assessment of engineered nanomaterials. , 2019, , 815-846.		2
704	The LCA4CSA framework: Using life cycle assessment to strengthen environmental sustainability analysis of climate smart agriculture options at farm and crop system levels. Agricultural Systems, 2019, 171, 155-170.	6.1	37
705	L'Analyse du Cycle de Vie pour réduire l'impact environnemental de la viticulture biologique. BIO Web of Conferences, 2019, 15, 01031.	0.2	0
706	Combining Hydrologic Analysis and Life Cycle Assessment Approaches to Evaluate Sustainability of Water Infrastructure: Uncertainty Analysis. Water (Switzerland), 2019, 11, 2592.	2.7	9
707	Environmental Profile of the Manufacturing Process of Perovskite Photovoltaics: Harmonization of Life Cycle Assessment Studies. Energies, 2019, 12, 3746.	3.1	45
708	Towards a Preservation–Sustainability Nexus: Applying LCA to Reduce the Environmental Footprint of Modern Built Heritage. Sustainability, 2019, 11, 6147.	3.2	11
709	Small-Size Vanadium Redox Flow Batteries: An Environmental Sustainability Analysis via LCA. Green Energy and Technology, 2019, , 61-78.	0.6	4
710	Comparing ecotoxicity risks for nanomaterial production and release under uncertainty. Clean Technologies and Environmental Policy, 2019, 21, 229-242.	4.1	12
711	Indicators for national consumption-based accounting of chemicals. Journal of Cleaner Production, 2019, 215, 1-12.	9.3	15

	Сітатіо	n Report	
#	Article	IF	CITATIONS
712	LCA of Photovoltaic Solutions in the Italian Context. Green Energy and Technology, 2019, , 17-30.	0.6	0
713	Organization Environmental Footprint through Inputâ€Output Analysis: A Case Study in the Construction Sector. Journal of Industrial Ecology, 2019, 23, 879-892.	5.5	9
714	A regional approach for the calculation of characteristic toxicity factors using the USEtox model. Science of the Total Environment, 2019, 655, 676-683.	8.0	12
715	On the Carbon Abatement Potential and Economic Viability of Biochar Production Systems. , 2019, , 385-408.		3
716	Advances in Solid Biofuels. Green Energy and Technology, 2019, , .	0.6	14
717	Harmonized rules for future LCAs on pharmaceutical products and processes. International Journal of Life Cycle Assessment, 2019, 24, 1040-1057.	4.7	22
718	Analysis of cost-environmental trade-offs in biodiesel production incorporating waste feedstocks: A multi-objective programming approach. Journal of Cleaner Production, 2019, 216, 64-73.	9.3	11
719	The importance of including soil carbon changes, ecotoxicity and biodiversity impacts in environmental life cycle assessments of organic and conventional milk in Western Europe. Journal of Cleaner Production, 2019, 215, 433-443.	9.3	56
720	Freshwater ecotoxicity assessment of pesticide use in crop production: Testing the influence of modeling choices. Journal of Cleaner Production, 2019, 209, 1332-1341.	9.3	26
721	Consensus Modeling of Median Chemical Intake for the U.S. Population Based on Predictions of Exposure Pathways. Environmental Science & Technology, 2019, 53, 719-732.	10.0	78
722	Challenges of including human exposure to chemicals in food packaging as a new exposure pathway in life cycle impact assessment. International Journal of Life Cycle Assessment, 2019, 24, 543-552.	4.7	26
723	Global spatial analysis of toxic emissions to freshwater: operationalization for LCA. International Journal of Life Cycle Assessment, 2019, 24, 501-517.	4.7	6
724	Environmental impacts on water resources from summer crops in rainfed and irrigated systems. Journal of Environmental Management, 2019, 232, 514-522.	7.8	23
725	Modeling pharmaceutical emissions and their toxicityâ€related effects in life cycle assessment (LCA): A review. Integrated Environmental Assessment and Management, 2019, 15, 6-18.	2.9	37
726	Fate modelling of nanoparticle releases in LCA: An integrative approach towards "USEtox4Nanoâ€. Journal of Cleaner Production, 2019, 206, 701-712.	9.3	21
727	Functional Graphenic Materials, Graphene Oxide, and Graphene as Scaffolds for Bone Regeneration. Regenerative Engineering and Translational Medicine, 2019, 5, 190-209.	2.9	33
728	Environmental impacts of alternative antifouling methods and use patterns of leisure boat owners. International Journal of Life Cycle Assessment, 2019, 24, 725-734.	4.7	4
729	Carbon and water footprints of Brazilian mango produced in the semiarid region. International Journal of Life Cycle Assessment, 2019, 24, 735-752.	4.7	19

#	Article	IF	CITATIONS
730	Association between the emissions of volatile organic compounds from vehicular cabin materials and temperature: Correlation and exposure analysis. Indoor and Built Environment, 2019, 28, 362-371.	2.8	11
731	The issue of considering water quality in life cycle assessment of water use. International Journal of Life Cycle Assessment, 2019, 24, 590-603.	4.7	8
732	Communication through ecolabels: how discrepancies between the EU PEF and EPD schemes could affect outcome consistency. International Journal of Life Cycle Assessment, 2020, 25, 905-920.	4.7	32
733	Challenges and ways forward in pesticide emission and toxicity characterization modeling for tropical conditions. International Journal of Life Cycle Assessment, 2020, 25, 1290-1306.	4.7	23
734	Investigation of yearly indoor/outdoor PM2.5 levels in the perspectives of health impacts and air pollution control: Case study in Changchun, in the northeast of China. Sustainable Cities and Society, 2020, 53, 101871.	10.4	47
735	How sustainable are sustainability conferences? – Comprehensive Life Cycle Assessment of an international conference series in Europe. Journal of Cleaner Production, 2020, 242, 118516.	9.3	40
736	Life cycle assessment of woody biomass ash for soil amelioration. Waste Management, 2020, 101, 126-140.	7.4	23
737	A tool to operationalize dynamic LCA, including time differentiation on the complete background database. International Journal of Life Cycle Assessment, 2020, 25, 267-279.	4.7	41
738	Addressing organic viticulture environmental burdens by better understanding interannual impact variations. International Journal of Life Cycle Assessment, 2020, 25, 1307-1322.	4.7	14
739	Research on green technologies for immobilizing mercury in waste to minimize chemical footprint. Pure and Applied Chemistry, 2020, 92, 557-565.	1.9	1
740	Life cycle assessment of the reuse of fly ash from biomass combustion as secondary cementitious material in cement products. Journal of Cleaner Production, 2020, 245, 118937.	9.3	63
741	Comment on "Powering sustainable development within planetary boundaries―by I. M. Algunaibet, C. Pozo, A. Galán-MartÃn, M. A. J. Huijbregts, N. Mac Dowell and G. Guillén-Gosálbez, Energy Environ. Sci., 2019, 12, 1890. Energy and Environmental Science, 2020, 13, 310-312.	30.8	1
742	A framework for sustainable and circular system design: Development and application on thermal insulation materials. Resources, Conservation and Recycling, 2020, 154, 104631.	10.8	42
743	Estimate ecotoxicity characterization factors for chemicals in life cycle assessment using machine learning models. Environment International, 2020, 135, 105393.	10.0	62
744	Consistent normalization approach for Life Cycle Assessment based on inventory databases. Science of the Total Environment, 2020, 703, 134583.	8.0	10
745	Radiological impacts in Life Cycle Assessment – Part II: Comparison of methodologies. Science of the Total Environment, 2020, 708, 134712.	8.0	2
746	Data supporting UCrad and CGM, two novel methodologies for radiological impacts in Life Cycle Assessment. Data in Brief, 2020, 28, 104857.	1.0	2
747	Toward effective use of REACH data for science and policy. Environment International, 2020, 135, 105336.	10.0	24

#	Article	IF	CITATIONS
748	Reliable and representative in silico predictions of freshwater ecotoxicological hazardous concentrations. Environment International, 2020, 134, 105334.	10.0	14
749	A toxicity-based analysis of Canada's National Pollutant Release Inventory (NPRI): a case study in Nova Scotia. Environmental Science and Pollution Research, 2020, 27, 2238-2247.	5.3	12
750	Toxicity testing in the 21st century: progress in the past decade and future perspectives. Archives of Toxicology, 2020, 94, 1-58.	4.2	209
751	Eco-efficiency analysis of desalination by precipitation integrated with reverse osmosis for zero liquid discharge in oil refineries. Journal of Cleaner Production, 2020, 250, 119547.	9.3	35
752	Building national emission inventories for the energy sector: Implications for life cycle assessment and nations environmental footprinting. Science of the Total Environment, 2020, 708, 135119.	8.0	4
753	Radiological impacts in Life Cycle Assessment. Part I: General framework and two practical methodologies. Science of the Total Environment, 2020, 708, 135179.	8.0	4
754	Environmental and Preliminary Cost Assessments of Redox Flow Batteries for Renewable Energy Storage. Energy Technology, 2020, 8, 1900914.	3.8	37
755	Reshaping WEEE management in Australia: An investigation on the untapped WEEE products. Journal of Cleaner Production, 2020, 250, 119496.	9.3	26
756	Pegadas hÃdrica e de carbono de produtos agrÃcolas: estudo da água de coco in natura. Gaia Scientia, 2020, 14, .	0.0	0
757	Cradle-to-grave life cycle assessment of an ibuprofen analgesic. Sustainable Chemistry and Pharmacy, 2020, 18, 100329.	3.3	13
758	Coupling pesticide emission and toxicity characterization models for LCA: Application to open-field tomato production in Martinique. Journal of Cleaner Production, 2020, 277, 124099.	9.3	29
759	Formation of non-extractable residues as a potentially dominant process in the fate of PAHs in soil: Insights from a combined field and modeling study on the eastern Tibetan Plateau. Environmental Pollution, 2020, 267, 115383.	7.5	9
760	Comparative life cycle assessment of drinking straws in Brazil. Journal of Cleaner Production, 2020, 276, 123070.	9.3	30
761	Towards actionable research frameworks for sustainable intensification in high-yielding rice systems. Scientific Reports, 2020, 10, 9975.	3.3	19
762	Ecotoxicity of Plastics from Informal Waste Electric and Electronic Treatment and Recycling. Toxics, 2020, 8, 99.	3.7	16
763	An operational framework for sustainability assessment including local to global impacts: Focus on waste management systems. Resources, Conservation and Recycling, 2020, 162, 104964.	10.8	25
764	Life cycle based alternatives assessment (LCAA) for chemical substitution. Green Chemistry, 2020, 22, 6008-6024.	9.0	33
765	Definition of LCA Guidelines in the Geothermal Sector to Enhance Result Comparability. Energies, 2020, 13, 3534.	3.1	25

#	Article	IF	CITATIONS
767	Rapid Prediction of Chemical Ecotoxicity Through Genetic Algorithm Optimized Neural Network Models. ACS Sustainable Chemistry and Engineering, 2020, 8, 12168-12176.	6.7	18
768	Life cycle assessment of lightweight aggregates produced with ashes from municipal solid waste incineration. Journal of Material Cycles and Waste Management, 2020, 22, 1922-1931.	3.0	7
769	The Innovation of the characterisation factor estimation for LCA in the USETOX model. Journal of Cleaner Production, 2020, 270, 122432.	9.3	9
770	In pursuit of environmentally friendly straws: a comparative life cycle assessment of five straw material options in South Africa. International Journal of Life Cycle Assessment, 2020, 25, 1818-1832.	4.7	34
771	Environmental Sustainability of Mixed Cation Perovskite Materials in Photovoltaics Manufacturing. ACS Sustainable Chemistry and Engineering, 2020, 8, 16537-16548.	6.7	18
772	Emerging investigator series: calculating size- and coating-dependent effect factors for silver nanoparticles to inform characterization factor development for usage in life cycle assessment. Environmental Science: Nano, 2020, 7, 2436-2453.	4.3	5
773	Transforming Acute Ecotoxicity Data into Chronic Data: A Statistical Method to Better Inform the Radiological Risk for Nonhuman Species. Environmental Science & Technology, 2020, 54, 12376-12382.	10.0	2
774	Biobased Products and Life Cycle Assessment in the Context of Circular Economy and Sustainability. Materials Circular Economy, 2020, 2, 1.	3.2	77
775	Energy Recovery from Olive Pomace by Hydrothermal Carbonization on Hypothetical Industrial Scale: a LCA Perspective. Waste and Biomass Valorization, 2020, 11, 5503-5519.	3.4	24
776	Comparison of Different Monetization Methods in LCA: A Review. Sustainability, 2020, 12, 10493.	3.2	46
777	Balancing Economic and Environmental Performance for Small-Scale Rice Farmers in Peru. Frontiers in Sustainable Food Systems, 2020, 4, .	3.9	6
778	Life Cycle Assessment for the Design of Chemical Processes, Products, and Supply Chains. Annual Review of Chemical and Biomolecular Engineering, 2020, 11, 203-233.	6.8	44
779	An (Eco)Toxicity Life Cycle Impact Assessment Framework for Per- And Polyfluoroalkyl Substances. Environmental Science & Technology, 2020, 54, 6224-6234.	10.0	33
780	Methodological review and detailed guidance for the life cycle interpretation phase. Journal of Industrial Ecology, 2020, 24, 986-1003.	5.5	61
781	An improved method for assessing environmental impacts caused by chemical pollutants: A case study in textiles production. Toxicology and Industrial Health, 2020, 36, 228-236.	1.4	8
782	Chemical footprint of pesticides used in citrus orchards based on canopy deposition and off-target losses. Science of the Total Environment, 2020, 732, 139118.	8.0	23
784	Flow battery production: Materials selection and environmental impact. Journal of Cleaner Production, 2020, 269, 121740.	9.3	48
785	Analysis of particulate matter and carbon monoxide emission rates from vehicles in a Shanghai tunnel. Sustainable Cities and Society, 2020, 56, 102104.	10.4	27

#	Article	IF	CITATIONS
786	LCâ€IMPACT: A regionalized life cycle damage assessment method. Journal of Industrial Ecology, 2020, 24, 1201-1219.	5.5	80
787	Assessing the environmental impact of Spanish vineyards in Utiel-Requena PDO: The influence of farm management and on-field emission modelling. Journal of Environmental Management, 2020, 262, 110325.	7.8	14
788	When Chemistry and Engineering Meet: The Tetrahydrofuran Dewatering Case Study. ACS Sustainable Chemistry and Engineering, 2020, 8, 10017-10026.	6.7	2
789	Comparative Assessment of Environmental Impacts from Open-Cut Pipeline Replacement and Trenchless Cured-in-Place Pipe Renewal Method for Sanitary Sewers. Infrastructures, 2020, 5, 48.	2.8	9
790	Life Cycle Assessment of electricity production from refuse derived fuel: A case study in Italy. Science of the Total Environment, 2020, 738, 139719.	8.0	25
791	Effect of technological developments for smartphone lithium battery on metal-derived resource depletion and toxicity potentials. Resources, Conservation and Recycling, 2020, 158, 104797.	10.8	13
792	Applied sustainability in industry: The BASF eco-eEfficiency toolbox. Journal of Cleaner Production, 2020, 258, 120792.	9.3	22
793	Sustainability assessment of activated carbon from residual biomass used for micropollutant removal at a full-scale wastewater treatment plant. Environmental Research Letters, 2020, 15, 064023.	5.2	33
794	Human Health Impacts of Aviation Biofuel Production: Exploring the Application of Different Life Cycle Impact Assessment (LCIA) Methods for Biofuel Supply Chains. Processes, 2020, 8, 158.	2.8	12
795	Green synthesis of cellulose acetate from corncob: Physicochemical properties and assessment of environmental impacts. Journal of Cleaner Production, 2020, 260, 120865.	9.3	41
796	Is the beneficial use of wood ash environmentally beneficial? A screeningâ€level life cycle assessment and uncertainty analysis. Journal of Industrial Ecology, 2020, 24, 1300-1309.	5.5	21
797	Optimising Tree Plantation Land Use in Brazil by Analysing Trade-Offs between Economic and Environmental Factors Using Multi-Objective Programming. Forests, 2020, 11, 723.	2.1	12
798	Space debris through the prism of the environmental performance of space systems: the case of Sentinel-3 redesigned mission. Journal of Space Safety Engineering, 2020, 7, 198-205.	0.9	2
799	Addressing temporal considerations in life cycle assessment. Science of the Total Environment, 2020, 743, 140700.	8.0	61
800	Moving Towards Sustainable Germanium Sourcing Evaluated by Means of Life Cycle Assessment. Journal of Sustainable Metallurgy, 2020, 6, 333-343.	2.3	7
801	Environmental impacts of lithium production showing the importance of primary data of upstream process in life-cycle assessment. Journal of Environmental Management, 2020, 262, 110253.	7.8	42
802	Environmental life cycle assessment of polypropylene made from used cooking oil. Resources, Conservation and Recycling, 2020, 157, 104750.	10.8	50
803	Quantifying the handprint—Footprint balance into a single score: The example of pharmaceuticals. PLoS ONE, 2020, 15, e0229235.	2.5	2

#	ARTICLE	IF	CITATIONS
804	of Indicator Limitations and Data Gaps. Sustainability, 2020, 12, 1407.	3.2	43
805	Developing a management-oriented simulation model of pesticide emissions for use in the life cycle assessment of paddy rice cultivation. Science of the Total Environment, 2020, 716, 137034.	8.0	9
806	Cleaner production strategies for the food industry. , 2020, , 1-34.		4
807	Life cycle assessment of organic and conventional non-Bt cotton products from Mali. International Journal of Life Cycle Assessment, 2020, 25, 678-697.	4.7	19
808	Appendix – Literature Review. , 2020, , 269-277.		0
809	Life cycle environmental impacts of sewage sludge treatment methods for resource recovery considering ecotoxicity of heavy metals and pharmaceutical and personal care products. Journal of Environmental Management, 2020, 260, 109643.	7.8	66
810	Chemical footprint of textile and apparel products: an assessment of human and ecological toxicities based on USEtox model. Journal of the Textile Institute, 2020, 111, 960-971.	1.9	13
811	CalcPEFDairy: A Product Environmental Footprint compliant tool for a tailored assessment of raw milk and dairy products. Journal of Environmental Management, 2020, 260, 110049.	7.8	16
812	Enhancing life cycle chemical exposure assessment through ontology modeling. Science of the Total Environment, 2020, 712, 136263.	8.0	16
813	Application of environmental life cycle assessment (LCA) within the space sector: A state of the art. Acta Astronautica, 2020, 170, 122-135.	3.2	20
814	Relative potency factor approach enables the use of <i>inÂvitro</i> information for estimation of human effect factors for nanoparticle toxicity in life-cycle impact assessment. Nanotoxicology, 2020, 14, 275-286.	3.0	13
815	An integrated pathway based on in vitro data for the human hazard assessment of nanomaterials. Environment International, 2020, 137, 105505.	10.0	43
816	Can we produce more beef without increasing its environmental impact? Argentina as a case study. Perspectives in Ecology and Conservation, 2020, 18, 1-11.	1.9	8
817	Identifying alternative solvents for C60 manufacturing using singular and combined toxicity assessments. Journal of Hazardous Materials, 2020, 393, 122337.	12.4	5
818	Sustainability assessment for remediation decision-making. , 2020, , 43-73.		5
819	Life cycle assessment of biofiltration. , 2020, , 89-108.		1
820	PBCLM: A top-down causal modeling framework for soil standards and global sustainable agriculture. Environmental Pollution, 2020, 263, 114404.	7.5	14
821	Ecological risks of imidacloprid to aquatic species in the Netherlands: Measured and estimated concentrations compared to species sensitivity distributions. Chemosphere, 2020, 254, 126604.	8.2	29

#	Article	IF	CITATIONS
822	Review of life-cycle based methods for absolute environmental sustainability assessment and their applications. Environmental Research Letters, 2020, 15, 083001.	5.2	121
823	Do pasture-based mixed dairy systems with higher milk production have lower environmental impacts? A Uruguayan case study. New Zealand Journal of Agricultural Research, 2021, 64, 444-462.	1.6	3
824	Evaluation of the environmental sustainability in the olive growing systems in Tunisia. Journal of Cleaner Production, 2021, 282, 124526.	9.3	28
825	Predicting the environmental emissions arising from conventional and nanotechnology-related pharmaceutical drug products. Environmental Research, 2021, 192, 110219.	7.5	12
826	Improving sustainability of electrolytic wastewater treatment processes by green powering. Science of the Total Environment, 2021, 754, 142230.	8.0	17
827	Impact assessment of a large panel of organic and inorganic micropollutants released by wastewater treatment plants at the scale of France. Water Research, 2021, 188, 116524.	11.3	45
828	Environmental impacts of existing and future aquaculture production: Comparison of technologies and feed options in Singapore. Aquaculture, 2021, 532, 736001.	3.5	26
829	Assessing health and environmental impacts of solvents for producing perovskite solar cells. Nature Sustainability, 2021, 4, 277-285.	23.7	117
830	Implementing sustainability in laboratory activities: A case study on aluminum titanium nitride based thin film magnetron sputtering deposition onto commercial laminated steel. Journal of Cleaner Production, 2021, 285, 124869.	9.3	7
831	Does intensification with UV light and US improve the sustainability of electrolytic waste treatment processes?. Journal of Environmental Management, 2021, 279, 111597.	7.8	9
832	Thirsty work: Assessing the environmental footprint of craft beer. Sustainable Production and Consumption, 2021, 27, 242-253.	11.0	14
833	Life cycle assessment of fish and seafood processed products – A review of methodologies and new challenges. Science of the Total Environment, 2021, 761, 144094.	8.0	58
834	Life cycle assessment of powder and micro-grain activated carbon in a fluidized bed to remove micropollutants from wastewater and their comparison with ozonation. Journal of Cleaner Production, 2021, 287, 125067.	9.3	21
835	High Throughput Risk and Impact Screening of Chemicals in Consumer Products. Risk Analysis, 2021, 41, 627-644.	2.7	25
836	Comparison of life cycle toxicity assessment methods for municipal wastewater treatment with the inclusion of direct emissions of metals, PPCPs and EDCs. Science of the Total Environment, 2021, 756, 143849.	8.0	27
837	Addressing water quality in water footprinting: current status, methods and limitations. International Journal of Life Cycle Assessment, 2021, 26, 157-174.	4.7	7
838	Material composition and associated toxicological impact assessment of mobile phones. Journal of Environmental Chemical Engineering, 2021, 9, 104603.	6.7	14
839	The environmental performance of enhanced metal recovery from dry municipal solid waste incineration bottom ash. Waste Management, 2021, 119, 330-341.	7.4	26

#	Article	IF	CITATIONS
840	A Practical Methodology for Waste-to-Energy Facilities to Screen Toxic Combustible Wastes and Priority Metals. Waste and Biomass Valorization, 2021, 12, 3431-3442.	3.4	2
841	Standard methods useable for mitigating the environmental impact of food industry. , 2021, , 1-30.		2
842	Comparing Innovative Versus Conventional Ham Processes via Environmental Life Cycle Assessment Supplemented with the Assessment of Nitrite Impacts on Human Health. Applied Sciences (Switzerland), 2021, 11, 451.	2.5	1
843	The Link Between Life Cycle Inventory Analysis and Life Cycle Impact Assessment. LCA Compendium, 2021, , 191-204.	0.8	1
844	Life cycle inventory and impact assessment for an asphalt pavement road construction—a case study in Brazil. International Journal of Life Cycle Assessment, 2021, 26, 402-416.	4.7	16
845	Developing physicochemical property-based ecotoxicity characterization factors for silver nanoparticles under mesocosm conditions for use in life cycle assessment. Environmental Science: Nano, 2021, 8, 1786-1800.	4.3	7
846	Impact of agrochemical emission models on the environmental assessment of paddy rice production using life cycle assessment approach. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-16.	2.3	11
847	Pesticide Toxicity Hazard of Agriculture: Regional and Commodity Hotspots in Australia. Environmental Science & Technology, 2021, 55, 1290-1300.	10.0	17
848	Life cycle assessment for milling of Ti- and Ni-based alloy aero engine components. Procedia CIRP, 2021, 98, 625-630.	1.9	9
849	Novel insights in dimethyl carbonate-based extraction of polyhydroxybutyrate (PHB). Biotechnology for Biofuels, 2021, 14, 13.	6.2	19
850	Illustrative Case Study. , 2021, , 237-260.		0
851	LCA—Product Life Cycle Impact Assessment. , 2021, , 95-119.		1
852	Control quantity or toxicity of textile chemicals? A case study of denim jeans in the warp-dyeing phase. Textile Reseach Journal, 2021, 91, 1900-1906.	2.2	3
853	The response of polycyclic aromatic hydrocarbon degradation in coking wastewater treatment after bioaugmentation with biosurfactant-producing bacteria <i>Pseudomonas aeruginosa</i> S5. Water Science and Technology, 2021, 83, 1017-1027.	2.5	17
854	Advances, Norms, and Perspectives in Product Chemical Footprint Research. International Journal of Environmental Research and Public Health, 2021, 18, 2728.	2.6	2
855	Integrating endocrine-related health effects into comparative human toxicity characterization. Science of the Total Environment, 2021, 762, 143874.	8.0	10
856	Research progress on indoor formaldehyde pollution and its influencing factors in China, a Review. IOP Conference Series: Earth and Environmental Science, 2021, 692, 032050.	0.3	1
857	A general Life Cycle Assessment framework for sustainable bleaching: A case study of peracetic acid bleaching of wood pulp. Journal of Cleaner Production, 2021, 290, 125854.	9.3	12

#	ARTICLE	IF	Citations
858	on Macroinvertebrate Richness across the United States. Sustainability, 2021, 13, 2701.	3.2	1
859	Assessing local impacts of water use on human health: evaluation of water footprint models in the Province Punjab, Pakistan. International Journal of Life Cycle Assessment, 2021, 26, 1027-1044.	4.7	2
860	Development of a novel process-level water footprint assessment for textile production based on modularity. Journal of Cleaner Production, 2021, 291, 125884.	9.3	16
861	Method to decompose uncertainties in LCA results into contributing factors. International Journal of Life Cycle Assessment, 2021, 26, 977-988.	4.7	6
862	Aquatic micro―and nanoâ€plastics in life cycle assessment: Development of an effect factor for the quantification of their physical impact on biota. Journal of Industrial Ecology, 2022, 26, 2123-2135.	5.5	21
863	Exposure and toxicity characterization of chemical emissions and chemicals in products: global recommendations and implementation in USEtox. International Journal of Life Cycle Assessment, 2021, 26, 899-915.	4.7	58
864	Integrating life cycle assessment and environmental risk assessment: A critical review. Journal of Cleaner Production, 2021, 293, 126120.	9.3	21
865	Inter-Individual Variability and Non-linear Dose-Response Relationship in Assessing Human Health Impact From Chemicals in LCA: Addressing Uncertainties in Exposure and Toxicological Susceptibility. Frontiers in Sustainability, 2021, 2, .	2.6	10
866	Characterizing antibiotics in LCA—a review of current practices and proposed novel approaches for including resistance. International Journal of Life Cycle Assessment, 2021, 26, 1816-1831.	4.7	5
867	Integrating long term temporal changes in the Belgian electricity mix in environmental attributional life cycle assessment of buildings. Journal of Cleaner Production, 2021, 297, 126624.	9.3	13
868	Life cycle assessment of animalâ€based foods and plantâ€based proteinâ€rich alternatives: an environmental perspective. Journal of the Science of Food and Agriculture, 2022, 102, 5098-5110.	3.5	50
870	Introducing ground cover management in pesticide emission modeling. Integrated Environmental Assessment and Management, 2022, 18, 274-288.	2.9	6
871	Life Cycle Assessment of a Plant-Based, Regionally Marketed Shampoo and Analysis of Refill Options. Sustainability, 2021, 13, 8478.	3.2	3
872	Micromixers for Wastewater Treatment and Their Life Cycle Assessment (LCA). , 0, , .		3
873	Using the US National Air Toxics Assessment to benchmark the USEtox inhalation-mediated carcinogenic impacts of air emissions. International Journal of Life Cycle Assessment, 2021, 26, 1417-1430.	4.7	2
874	Quantifying uncertainty for AWARE characterization factors. Journal of Industrial Ecology, 2021, 25, 1588-1601.	5.5	4
875	Copper and critical metals production from porphyry ores and E-wastes: A review of resource availability, processing/recycling challenges, socio-environmental aspects, and sustainability issues. Resources, Conservation and Recycling, 2021, 170, 105610.	10.8	144
876	Incorporating use phase chemical leaching and water quality testing for life cycle toxicity assessment of cross-linked polyethylene (PEX) piping. Science of the Total Environment, 2021, 782, 146374.	8.0	3

#	Article	IF	CITATIONS
877	Present and Future Sustainability Development of 3D Metal Printing. European Journal of Sustainable Development Research, 2021, 5, em0168.	0.9	1
878	Sorting study on the toxicity screening of a single pollutant towards enterprises based on the USEtox model and textile industry cases. Journal of the Textile Institute, 0, , 1-12.	1.9	0
879	Accelerating the pace of ecotoxicological assessment using artificial intelligence. Ambio, 2022, 51, 598-610.	5.5	12
880	Life cycle assessment on PERC solar modules. Solar Energy Materials and Solar Cells, 2021, 227, 111112.	6.2	17
881	Environmental saving potentials of a smart home system from a life cycle perspective: How green is the smart home?. Journal of Cleaner Production, 2021, 312, 127845.	9.3	11
882	Management of Asbestos Containing Materials: A Detailed LCA Comparison of Different Scenarios Comprising First Time Asbestos Characterization Factor Proposal. Environmental Science & Technology, 2021, 55, 12672-12682.	10.0	7
883	Life Cycle Assessment of Leachate Treatment Strategies. Environmental Science & Technology, 2021, 55, 13264-13273.	10.0	6
884	LCA and nutritional assessment of southern Benin market vegetable gardening across the production continuum. International Journal of Life Cycle Assessment, 2021, 26, 1977-1997.	4.7	6
885	Low-Carbon Economy in Schools: Environmental Footprint and Associated Externalities of Five Schools in Southwestern Europe. Energies, 2021, 14, 6238.	3.1	5
886	Valorisation of polylactic acid (PLA) waste: A comparative life cycle assessment of various solvent-based chemical recycling technologies. Resources, Conservation and Recycling, 2021, 172, 105670.	10.8	27
887	Implementation of uncertainty analysis and momentâ€independent global sensitivity analysis for fullâ€scale life cycle assessment models. Journal of Industrial Ecology, 2022, 26, 374-391.	5.5	20
888	How Relevant Are Direct Emissions of Microplastics into Freshwater from an LCA Perspective?. Sustainability, 2021, 13, 9922.	3.2	10
889	Agricultural eco-design scenarios based on AGRIBALYSE® residual organic fertiliser inventories. Journal of Cleaner Production, 2021, 318, 128506.	9.3	4
890	Modeling pesticides in global surface soils: Evaluating spatiotemporal patterns for USEtox-based steady-state concentrations. Science of the Total Environment, 2021, 791, 148412.	8.0	20
891	A framework for the assessment of marine litter impacts in life cycle impact assessment. Ecological Indicators, 2021, 129, 107918.	6.3	87
892	Environmental impact assessment of alkali-activated mortar with waste precursors and activators. Journal of Building Engineering, 2021, 44, 103391.	3.4	14
893	Environmental implications of the ongoing electrification of the UK light duty vehicle fleet. Resources, Conservation and Recycling, 2021, 174, 105818.	10.8	9
894	Assessment of forest-based biofuels for Arctic marine shipping. Resources, Conservation and Recycling, 2021, 174, 105763.	10.8	4

#	Article	IF	CITATIONS
895	Environmental and economic benefit comparison between coupled grey-green infrastructure system and traditional grey one through a life cycle perspective. Resources, Conservation and Recycling, 2021, 174, 105804.	10.8	29
896	The effect of air purifiers on the reduction in indoor PM2.5 concentrations and population health improvement. Sustainable Cities and Society, 2021, 75, 103298.	10.4	39
897	Life cycle assessment of rubberized semi-dense asphalt pavements; A hybrid comparative approach. Resources, Conservation and Recycling, 2022, 176, 105950.	10.8	26
898	Comparative Life Cycle Assessment of two advanced treatment steps for wastewater micropollutants: How to determine whole-system environmental benefits?. Science of the Total Environment, 2022, 805, 150300.	8.0	10
899	Environmental impact and life cycle analysis of green nanomaterials. , 2022, , 513-539.		0
900	Inventory Indicators in Life Cycle Assessment. LCA Compendium, 2021, , 171-190.	0.8	2
901	Weed seedbank diversity and sustainability indicators for simple and more diverse cropping systems. Weed Research, 2021, 61, 164-177.	1.7	11
902	Life Cycle Assessment of Chemical Products and Processes. , 2021, , 67-105.		1
903	Life cycle assessment and textile chemicals. , 2021, , 155-176.		0
904	Life cycle assessment of engineered nanomaterials. , 2021, , 443-458.		4
905	Methodological Protocol for Assessing the Environmental Footprint by Means of Ecotoxicological Tools: Wastewater Treatment Plants as an Example Case. Methods in Pharmacology and Toxicology, 2020, , 305-327.	0.2	9
907	Environmental Assessment of Solid Biofuels. Green Energy and Technology, 2019, , 85-95.	0.6	1
909	Life Cycle Assessment in the Livestock and Derived Edible Products Sector. , 2015, , 251-332.		6
910	The UNEP/SETAC Life Cycle Initiative. LCA Compendium, 2014, , 107-144.	0.8	5
911	Challenges in Life Cycle Assessment: An Overview of Current Gaps and Research Needs. LCA Compendium, 2014, , 207-258.	0.8	57
912	Normalisation. LCA Compendium, 2015, , 271-300.	0.8	21
913	Human Toxicity. LCA Compendium, 2015, , 75-96.	0.8	5
914	Particulate Matter Formation. LCA Compendium, 2015, , 97-113.	0.8	10

#	Article	IF	CITATIONS
915	Ecotoxicity. LCA Compendium, 2015, , 139-162.	0.8	9
916	Emission of fibres and atmospheric pollutants from the thermal treatment of asbestos containing waste (ACW). Journal of Cleaner Production, 2020, 268, 122179.	9.3	15
917	Environmental sustainability of European production and consumption assessed against planetary boundaries. Journal of Environmental Management, 2020, 269, 110686.	7.8	85
918	Environmental impacts of the life cycle of alluvial gold mining in the Peruvian Amazon rainforest. Science of the Total Environment, 2019, 662, 940-951.	8.0	64
919	A comprehensive planetary boundary-based method for the nitrogen cycle in life cycle assessment: Development and application to a tomato production case study. Science of the Total Environment, 2020, 715, 136813.	8.0	20
920	Combining <i>In Silico</i> Tools with Multicriteria Analysis for Alternatives Assessment of Hazardous Chemicals: Accounting for the Transformation Products of decaBDE and Its Alternatives. Environmental Science & Technology, 2021, 55, 1088-1098.	10.0	10
921	Sustainability in Perovskite Solar Cells. ACS Applied Materials & amp; Interfaces, 2021, 13, 1-17.	8.0	53
922	BioSTEAM-LCA: An Integrated Modeling Framework for Agile Life Cycle Assessment of Biorefineries under Uncertainty. ACS Sustainable Chemistry and Engineering, 2020, 8, 18903-18914.	6.7	26
923	Metrics for the sustainability value of steel. Materiaux Et Techniques, 2014, 102, 505.	0.9	3
924	Impact of heavy metals on human toxicity using LCA: The case study of Walloon corn. Materiaux Et Techniques, 2019, 107, 110.	0.9	2
925	Losses and environmental aspects of a byproduct metal: tellurium. Environmental Chemistry, 2019, 16, 243.	1.5	11
926	Pesticide application rates and their toxicological impacts: why do they vary so widely across the U.S.?. Environmental Research Letters, 2020, 15, 124049.	5.2	4
928	Linking Data Choices and Context Specificity in Life Cycle Assessment of Waste Treatment Technologies: A Landfill Case Study. Journal of Industrial Ecology, 2018, 22, 1039-1049.	5.5	21
929	Life Cycle Risks and Impacts of Nanotechnologies. , 2013, , 213-278.		4
930	Coupled Ecosystem/Supply Chain Modelling of Fish Products from Sea to Shelf: The Peruvian Anchoveta Case. PLoS ONE, 2014, 9, e102057.	2.5	21
931	Ecological and human health risks associated with abandoned gold mine tailings contaminated soil. PLoS ONE, 2017, 12, e0172517.	2.5	170
932	Avaliação Ambiental de Ciclo de Vida dos principais sistemas de geração de eletricidade em Portugal. LALCA- Revista Latino Americana Em Avaliação Do Ciclo De Vida, 2018, 2, 110-127.	0.3	3
943	Heavy Metals: An Ambiguous Category of Inorganic Contaminants, Nutrients and Toxins. Research Journal of Environmental Sciences, 2011, 5, 682-690.	0.5	14

#	Article	IF	CITATIONS
944	FRAMEWORK FOR INTEGRATING INDOOR AIR QUALITY IMPACTS INTO LIFE CYCLE ASSESSMENTS OF BUILDINGS AND BUILDING RELATED PRODUCTS. Journal of Green Building, 2015, 10, 127-149.	0.8	9
945	Life Cycle Assessment of CCA-Treated Wood Highway Guard Rail Posts in the US with Comparisons to Galvanized Steel Guard Rail Posts. Journal of Transportation Technologies, 2013, 03, 58-67.	0.5	6
946	Life Cycle Assessment of Creosote-Treated Wooden Railroad Crossties in the US with Comparisons to Concrete and Plastic Composite Railroad Crossties. Journal of Transportation Technologies, 2013, 03, 149-161.	0.5	28
947	Design optimization of hybrid steel/timber structures for minimal environmental impact and financial cost: A case study. Energy and Buildings, 2022, 254, 111600.	6.7	5
948	Addressing land use and ecotoxicological impacts in Life cycle Assessments of food production technologies. , 2010, , 177-206.		0
949	Hazardous Materials hazardous material Characterization hazardous material characterization and Assessment hazardous material assessment. , 2012, , 4846-4865.		0
950	Enjeux et écueils de l'affichage environnemental. Annales Des Mines - Responsabilité Et Environnement, 2012, N° 66, 42-48.	0.1	0
951	European Centre for Ecotoxicology and Toxicology of Chemicals. , 2014, , 547-548. Position paper (17th January 2014), by Technische UniversitĤBerlin - Department of Environmental		10
952	Technology - Chair of Sustainable Engineering, on behalf of The German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety and The German Federal Environment Agency, on EU Product and Organisation Environmental Footprint proposal as part of the Communication Building the Single Market for Green Products (COM/2013/0196 final), Journal of Life	0.0	1
953	Cycle Assessment Japan, 2015, 11, 92-96. LCA of EU beet sugar. Part II: Conducting a LCA of sugar production in the European Union. Zuckerindustrie, 2015, , 553-566.	0.1	0
954	Hazard statements: looking for alternatives to toxicity evaluation using LCA. Materiaux Et Techniques, 2017, 105, 517.	0.9	3
955	PRINCIPLES OF ENVIRONMENTAL ASSESSMENT IN THE LIFECYCLE OF PRODUCTS. Inżynieria Ekologiczna, 2017 18, 189-195.	, 0.2	2
956	DISPOSAL OF WASTE FROM CEMENTING OPERATION FROM OFFSHORE OIL AND GAS WELLS BUILDING. Ciência E Natura, 2017, 39, 413.	0.0	1
957	SWOT Analysis of the MERLIN-Expo Tool and Its Relevance in Legislative Frameworks. Handbook of Environmental Chemistry, 2018, , 23-57.	0.4	4
958	Integration of Fiber-Reinforced Polymers in a Life Cycle Assessment of Injection Molding Process Chains with Additive Manufacturing. , 2018, , 287-295.		0
959	Hazardous Materials Characterization and Assessment. , 2018, , 1-21.		0
960	Assessment of Cleantech Options to Mitigate the Environmental Impact of South African Dairy Farming. , 2018, , 115-125.		1
961	Nonwoven geotextile scour protection at offshore wind parks, application and life cycle assessment. , 2018, , 315-321.		1

#	Article	IF	CITATIONS
962	Life Cycle Impact Assessment. , 2018, , 1-4.		0
963	Life Cycle Assessment of Processes for P Recycling. , 2019, , 59-73.		Ο
964	Pegada hÃdrica da água de coco verde nas principais regiões produtoras do Nordeste. LALCA- Revista Latino Americana Em Avaliação Do Ciclo De Vida, 2018, 2, 128-141.	0.3	1
965	Complex Contamination Research and Hazard Assessment of the Waste of the Wooden Railway Sleeper. Baltic Journal of Road and Bridge Engineering, 2018, 13, 385-403.	0.8	2
966	Life Cycle Impact Assessment. , 2019, , 1053-1057.		76
967	Global Life Cycle Impacts of Consumer Products. , 2019, , 331-342.		0
968	Towards a Region-Specific Impact Assessment of Water Degradation In Water Footprinting. Indonesian Journal of Life Cycle Assessment and Sustainability, 0, , .	0.0	1
969	Establishing a Diagnosis: Inventorying, Monitoring and Assessing. , 2020, , 215-243.		Ο
970	Incorporating human exposure information in a weight of evidence approach to inform design of repeated dose animal studies. Regulatory Toxicology and Pharmacology, 2021, 127, 105073.	2.7	2
971	Comparative life cycle assessment of cross laminated timber building and concrete building with special focus on biogenic carbon. Energy and Buildings, 2022, 254, 111604.	6.7	37
972	Life Cycle Assessment and Ecosystem Services of Agromining. Mineral Resource Reviews, 2021, , 75-98.	1.5	1
973	Application of North European characterisation factors, population density and distance-to-coast grid data for refreshing the Swedish human toxicity and ecotoxicity footprint analysis. Environmental Impact Assessment Review, 2022, 92, 106686.	9.2	9
974	Downstream Environmental Assessment. RSC Green Chemistry, 2020, , 44-79.	0.1	0
975	Upstream Environmental Assessment. RSC Green Chemistry, 2020, , 12-43.	0.1	0
976	Comparison of the LCIA Methods Used for the Evaluation of Chemicals. , 2020, , 33-51.		1
978	Synergetic Modelling of Energy and Resource Efficiency as well as Occupational Safety and Health Risks of Plating Process Chains. International Journal of Precision Engineering and Manufacturing - Green Technology, 2022, 9, 795-815.	4.9	5
979	Selecting the most environmentally friendly oxidant for UVC degradation of micropollutants in urban wastewater by assessing life cycle impacts: Hydrogen peroxide, peroxymonosulfate or persulfate?. Science of the Total Environment, 2022, 808, 152050.	8.0	10
980	Environmental impact improvements due to introducing automation into underground copper mines. International Journal of Mining Science and Technology, 2021, 31, 1159-1167.	10.3	12

#	Article	IF	CITATIONS
981	Do Miscanthus lutarioriparius-Based Oriented Strand Boards Provide Environmentally Benign Alternatives? An LCA Case Study of Lake Dongting District in China. Sustainability, 2021, 13, 12976.	3.2	1
982	Life Cycle Analysis of Lithium–Air Batteries Designed with TEGDME-LiPF6/PVDF Aprotic Electrolytes. ACS Sustainable Chemistry and Engineering, 2021, 9, 15406-15418.	6.7	3
983	Pesticide Toxicity Footprints of Australian Dietary Choices. Nutrients, 2021, 13, 4314.	4.1	8
984	What difference can drop-in substitution actually make? A life cycle assessment of alternative water repellent chemicals. Journal of Cleaner Production, 2021, 329, 129661.	9.3	7
985	Life Cycle Assessment of Biomass Pyrolysis. Bioenergy Research, 2022, 15, 1387-1406.	3.9	21
986	Spatially resolved environmental fate models: A review. Chemosphere, 2022, 290, 133394.	8.2	8
987	Genetic algorithm (GA) - Artificial neural network (ANN) modeling for the emission rates of toxic volatile organic compounds (VOCs) emitted from landfill working surface. Journal of Environmental Management, 2022, 305, 114433.	7.8	16
988	Seaweeds as a sustainable source of bioenergy: Techno-economic and life cycle analyses of its biochemical conversion pathways. Renewable and Sustainable Energy Reviews, 2022, 157, 112011.	16.4	19
989	Towards a more comprehensive life cycle assessment framework for assessing toxicity-related impacts for livestock products: The case of Danish pork. Science of the Total Environment, 2022, 815, 152811.	8.0	9
990	Innovating feeding strategies in dairy sheep farming can reduce environmental impact of ewe milk. Italian Journal of Animal Science, 2021, 20, 2147-2164.	1.9	4
991	Predicting characterization factors of chemical substances from a set of molecular descriptors based on machine learning algorithms. , 0, , .		0
992	Improving pesticide fate models for a simple household food processing: considering multiple crop units. Environmental Science and Pollution Research, 2022, , 1.	5.3	0
993	Potential Health Impact Assessment of Large-Scale Production of Batteries for the Electric Grid. Minerals, Metals and Materials Series, 2022, , 417-425.	0.4	3
994	Insights into EcoScent Compassâ,,¢, a holistic tool to measure a fragrance's sustainability footprint, based on its intrinsic green properties and environmental impact. Current Opinion in Green and Sustainable Chemistry, 2022, 33, 100583.	5.9	1
995	Comparative Life Cycle Assessment of a microalgae-based oil metal working fluid with its petroleum-based and vegetable-based counterparts. Journal of Cleaner Production, 2022, 338, 130506.	9.3	12
996	Beyond recycling: An LCA-based decision-support tool to accelerate Scotland's transition to a circular economy. Resources, Conservation & Recycling Advances, 2022, 13, 200069.	2.5	2
997	Machine learning models based on molecular descriptors to predict human and environmental toxicological factors in continental freshwater. , 0, 2, .		2
998	Upscaling via a Prospective LCA: A Case Study on Tomato Homogenate Using a Near-to-Market Pasteurisation Technology. Sustainability, 2022, 14, 1716.	3.2	8

#	Article	IF	CITATIONS
999	How does COVID-19 affect the life cycle environmental impacts of U.S. household energy and food consumption?. Environmental Research Letters, 2022, 17, 034025.	5.2	4
1000	A rapid and robust method to determine the key parameters of formaldehyde emissions from building and vehicle cabin materials: Principle, multi-source application and exposure assessment. Journal of Hazardous Materials, 2022, 430, 128422.	12.4	19
1001	Development and Evaluation of a Holistic and Mechanistic Modeling Framework for Chemical Emissions, Fate, Exposure, and Risk. Environmental Health Perspectives, 2021, 129, 127006.	6.0	15
1003	Relative risk assessment of Bis (2-ethylhexyl) phthalate and alternative plasticizers: Application of consumer exposure tools and damage functions. Environmental Monitoring and Contaminants Research, 2022, 2, 35-44.	0.9	1
1004	Prospective Environmental Assessment of Reprocessing and Valorization Alternatives for Sulfidic Copper Tailings. SSRN Electronic Journal, 0, , .	0.4	1
1005	Prospective environmental risk screening of seven advanced materials based on production volumes and aquatic ecotoxicity. NanoImpact, 2022, 25, 100393.	4.5	9
1006	Transitioning the agri-food system. Does closeness mean sustainability? how production and shipping strategies impact socially and environmentally. Comparing Spain, South Africa and U.S. citrus fruit productions. Agroecology and Sustainable Food Systems, 2022, 46, 540-577.	1.9	1
1007	Methodology to address potential impacts of plastic emissions in life cycle assessment. International Journal of Life Cycle Assessment, 2022, 27, 469-491.	4.7	22
1008	The ECOTOXicology Knowledgebase: A Curated Database of Ecologically Relevant Toxicity Tests to Support Environmental Research and Risk Assessment. Environmental Toxicology and Chemistry, 2022, 41, 1520-1539.	4.3	77
1009	Building material toxicity and life cycle assessment: A systematic critical review. Journal of Cleaner Production, 2022, 341, 130838.	9.3	14
1010	Regionalized Life Cycle Inventories of Global Sulfidic Copper Tailings. Environmental Science & Technology, 2022, 56, 4553-4564.	10.0	21
1011	Assessment of Critical Resource Use in Aircraft Manufacturing. Circular Economy and Sustainability, 2022, 2, 1193-1212.	5.5	4
1012	Impact of agricultural pesticides on ecosystem and human health: a case study in lower Gangetic plain, India. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	1
1013	Potential trade-off between water consumption and water quality: life cycle assessment of nonaqueous solvent dyeing. Water Research, 2022, 215, 118222.	11.3	15
1014	Life cycle assessment of embodied human health effects of building materials in China. Journal of Cleaner Production, 2022, 350, 131484.	9.3	7
1015	Predicting chemical ecotoxicity by learning latent space chemical representations. Environment International, 2022, 163, 107224.	10.0	5
1016	Comparison of exemplary crop protection strategies in Swiss apple production: Multi-criteria assessment of pesticide use, ecotoxicological risks, environmental and economic impacts. Sustainable Production and Consumption, 2022, 31, 512-528.	11.0	9
1017	Moving from pork to soy-based meat substitutes: Evaluating environmental impacts in relation to nutritional values. Future Foods, 2022, 5, 100135.	5.4	5

#		IE	CITATIONS
#	Assessing environmental impact of NOX and SO2 emissions in textiles production with chemical	IF	CHAHONS
1018	footprint. Science of the Total Environment, 2022, 831, 154961.	8.0	10
1019	Applying novel eco-exergoenvironmental toxicity index to select the best irrigation system of sunflower production. Energy, 2022, 250, 123822.	8.8	54
1020	Trace contaminants in the environmental assessment of organic waste recycling in agriculture: Gaps between methods and knowledge. Advances in Agronomy, 2022, , 53-188.	5.2	8
1021	Comparative life cycle assessment of rainbow trout (Oncorhynchus mykiss) farming at two stocking densities in a low-tech aquaponic system. Aquaculture, 2022, 556, 738264.	3.5	3
1022	Assessing the use of land system archetypes to increase regional variability representation in country-specific characterization factors: a soil erosion case study. International Journal of Life Cycle Assessment, 2022, 27, 409.	4.7	1
1023	An effect factor approach for quantifying the impact of plastic additives on aquatic biota in life cycle assessment. International Journal of Life Cycle Assessment, 2022, 27, 564-572.	4.7	5
1024	Ecospheric life cycle impacts of annual global space activities. Science of the Total Environment, 2022, 834, 155305.	8.0	6
1025	Toxicity impacts in the environmental footprint method: calculation principles. International Journal of Life Cycle Assessment, 2022, 27, 587-602.	4.7	15
1026	Operationalising emission and toxicity modelling of pesticides in LCA: the OLCA-Pest project contribution. International Journal of Life Cycle Assessment, 2022, 27, 527-542.	4.7	12
1029	<i>In vitro</i> -based human toxicity effect factors: challenges and opportunities for nanomaterial impact assessment. Environmental Science: Nano, 2022, 9, 1913-1925.	4.3	5
1030	Life Cycle Assessment of reverse logistics of empty pesticide containers in Brazil: assessment of current and previous management practices. Production, 0, 32, .	1.3	0
1031	Environmental Impact Assessment of Potato Cultivation in Northern India. Environmental Science and Engineering, 2022, , 1061-1070.	0.2	1
1032	Freshwater consumption and domestic water deprivation in LCIA: revisiting the characterization of human health impacts. International Journal of Life Cycle Assessment, 2022, 27, 740-754.	4.7	3
1033	Regionalized Chemical Footprint Method to Identify Aquatic Ecotoxicity Hotspots of Hard Disk Drive Rare Earth Magnets. Integrated Environmental Assessment and Management, 2022, , .	2.9	0
1034	Turning trash into treasure: An approach to the environmental assessment of waste prevention and its application to clothing and furniture in Switzerland. Journal of Industrial Ecology, 2022, 26, 1389-1405.	5.5	11
1035	Semi-automated harmonization and selection of chemical data for risk and impact assessment. Chemosphere, 2022, 302, 134886.	8.2	6
1036	Reducing CO2 emissions of existing ethylene plants: Evaluation of different revamp strategies to reduce global CO2 emission by 100 million tonnes. Journal of Cleaner Production, 2022, 362, 132127.	9.3	26
1037	On the combination of USEtox® and SimpleBox 4 Nano models for the derivatization of size-dependent characterization factors for engineered nanomaterials. E3S Web of Conferences, 2022, 349, 01006.	0.5	0

#	Article	IF	CITATIONS
1038	Linking inventories and impact assessment models for addressing biodiversity impacts: mapping rules and challenges. International Journal of Life Cycle Assessment, 2022, 27, 813-833.	4.7	6
1039	Developing a conceptual model to quantify eco-compensation based on environmental and economic cost-benefit analysis for promoting the ecologically intensified agriculture. Ecosystem Services, 2022, 56, 101442.	5.4	10
1040	Ecodesign of new circular economy scheme for Brewer's side streams. Sustainable Chemistry and Pharmacy, 2022, 28, 100727.	3.3	1
1041	Análisis de sostenibilidad del ciclo de vida de la expansión de energÃa en Brasil. IngenierÃa Investigación Y Desarrollo, 2022, 21, 73-80.	0.1	0
1042	The spatial–temporal chemical footprint of pesticides in China from 1999 to 2018. Environmental Science and Pollution Research, 2022, 29, 75539-75549.	5.3	6
1043	Comparative Life Cycle Assessment of intra-row and inter-row weeding practices using autonomous robot systems in French vineyards. Science of the Total Environment, 2022, 838, 156441.	8.0	5
1044	Approach toward <i>In Vitro</i> Based Human Toxicity Effect Factors for the Life Cycle Impact Assessment of Inhaled Low-Solubility Particles. Environmental Science & Technology, 0, , .	10.0	0
1045	Life Cycle Assessment of Polymers and Their Recycling. ACS Symposium Series, 0, , 143-170.	0.5	4
1046	Assessment of airborne emissions during the use of a Cadmium Telluride Quantum Dots incorporating ink and a proposal to calculate their human health and freshwater effect factors. E3S Web of Conferences, 2022, 349, 03004.	0.5	0
1047	Assessing the Environmental Impacts of Agricultural Systems at a Regional Level: An Approach Applied to Spanish Crops. SSRN Electronic Journal, 0, , .	0.4	0
1048	Influence of local geological data and geographical parameters to assess regional health impact in LCA. Tomsk oblast', Russian Federation application case. Environmental Science and Pollution Research, 0, , .	5.3	2
1049	Integrating water footprint in the eco-efficiency assessment of Brazilian chilled chicken. Sustainable Production and Consumption, 2022, 33, 331-342.	11.0	1
1050	Water supply scenarios of agricultural areas: Environmental performance through Territorial Life Cycle Assessment. Journal of Cleaner Production, 2022, 366, 132862.	9.3	10
1051	Advances in computational methods along the exposure to toxicological response paradigm. Toxicology and Applied Pharmacology, 2022, 450, 116141.	2.8	3
1052	Comparing flexible and conventional monolithic building design: Life cycle environmental impact and potential for material circulation. Building and Environment, 2022, 222, 109409.	6.9	13
1053	Relevance of Impact Categories and Applicability of Life Cycle Impact Assessment Methods from an Automotive Industry Perspective. Sustainability, 2022, 14, 8837.	3.2	9
1054	Effect of different activation agents for activated carbon preparation through characterization and life cycle assessment. International Journal of Environmental Science and Technology, 2023, 20, 7645-7656.	3.5	12
1055	Bayesian inference of chemical exposures from NHANES urine biomonitoring data. Journal of Exposure Science and Environmental Epidemiology, 2022, 32, 833-846.	3.9	9

#	Article	IF	CITATIONS
1056	Life Cycle Assessment of Microplastics Reveals Their Greater Environmental Hazards than Mismanaged Polymer Waste Losses. Environmental Science & Technology, 2022, 56, 11780-11797.	10.0	23
1057	Phase Separation in a Novel Selective Lithium Extraction from Citrate Media with D2EHPA. Metals, 2022, 12, 1400.	2.3	2
1058	Integrated Life Cycle Assessment (LCA) of Power and Heat Supply for a Neighborhood: A Case Study of Herne, Germany. Energies, 2022, 15, 5900.	3.1	2
1059	Global extinction probabilities of terrestrial, freshwater, and marine species groups for use in Life Cycle Assessment. Ecological Indicators, 2022, 142, 109204.	6.3	10
1060	Environmental hotspot analysis of primary copper production in China and its future improvement potentials. Journal of Cleaner Production, 2022, 370, 133458.	9.3	8
1061	Prospective environmental assessment of reprocessing and valorization alternatives for sulfidic copper tailings. Resources, Conservation and Recycling, 2022, 186, 106567.	10.8	14
1062	Life cycle assessment of the Theistareykir geothermal power plant in Iceland. Geothermics, 2022, 105, 102530.	3.4	4
1063	Comparative Life Cycle Assessment of Green Sand Casting and Low Pressure Die Casting for the production of self-cleaning AlMg3-TiO2 Metal Matrix Composite. Ecological Indicators, 2022, 144, 109442.	6.3	2
1064	Life cycle environmental impacts of current and future battery-grade lithium supply from brine and spodumene. Resources, Conservation and Recycling, 2022, 187, 106634.	10.8	23
1065	Quantitative sustainable design (QSD) for the prioritization of research, development, and deployment of technologies: a tutorial and review. Environmental Science: Water Research and Technology, 2022, 8, 2439-2465.	2.4	7
1066	Life cycle assessment as a tool for evaluating chemical processes at industrial scale: a review. Green Chemistry, 2022, 24, 7751-7762.	9.0	5
1067	An approach to regionalise the life cycle inventories of Spanish agriculture: Monitoring the environmental impacts of orange and tomato crops. Science of the Total Environment, 2023, 856, 158909.	8.0	6
1068	How sustainable is the biohydrogen produced from sugarcane vinasse? An approach based on life cycle assessment. Biomass Conversion and Biorefinery, 0, , .	4.6	1
1069	Exposure Prioritization (Ex Priori): A Screening-Level High-Throughput Chemical Prioritization Tool. Toxics, 2022, 10, 569.	3.7	1
1070	High-Temperature, Bond, and Environmental Impact Assessment of Alkali-Activated Concrete (AAC). Infrastructures, 2022, 7, 119.	2.8	7
1071	UVâ€dependent freshwater effect factor of nanoscale titanium dioxide for future life cycle assessment application. Integrated Environmental Assessment and Management, 2023, 19, 578-585.	2.9	0
1072	Characterizing country-specific human and ecosystem health impact and damage cost of agricultural pesticides: the case for Thailand. International Journal of Life Cycle Assessment, 2022, 27, 1334-1351.	4.7	5
1073	Emerging Engineered Wood for Building Applications. Chemical Reviews, 2023, 123, 1843-1888.	47.7	57

#	Article	IF	Citations
1074	Environmental performance of rainbow trout (Oncorhynchus mykiss) production in Galicia-Spain: A Life Cycle Assessment approach. Science of the Total Environment, 2023, 856, 159049.	8.0	8
1075	Ecotoxicity characterization of chemicals: Global recommendations and implementation in USEtox. Chemosphere, 2023, 310, 136807.	8.2	26
1076	Multi-season environmental life cycle assessment of lemons: A case study in south Uruguay. Journal of Environmental Management, 2023, 326, 116719.	7.8	3
1077	Exposure forecasting – ExpoCast – for data-poor chemicals in commerce and the environment. Journal of Exposure Science and Environmental Epidemiology, 0, , .	3.9	3
1078	International demand for food and services drives environmental footprints of pesticide use. Communications Earth & Environment, 2022, 3, .	6.8	9
1079	Dynamic modelling of operational energy use in a building LCA: A case study of a Belgian office building. Energy and Buildings, 2023, 278, 112634.	6.7	13
1080	Generating environmental sampling and testing data for micro- and nanoplastics for use in life cycle impact assessment. Science of the Total Environment, 2023, 859, 160038.	8.0	6
1081	In-train particulate matter (PM ₁₀ and PM _{2.5}) concentrations: Level, source, composition, mitigation measures and health risk effect – A systematic literature review. Indoor and Built Environment, 2023, 32, 460-493.	2.8	5
1082	Sustainable valorization of asphaltenes via flash joule heating. Science Advances, 2022, 8, .	10.3	11
1083	Evaluating life cycle environmental impacts of coal fly ash utilization in embankment versus sand and landfilling. Journal of Cleaner Production, 2023, 385, 135402.	9.3	5
1084	Linking freshwater ecotoxicity to damage on ecosystem services in life cycle assessment. Environment International, 2023, 171, 107705.	10.0	13
1085	Impacts of progressive biofuels on environmental sustainability. , 2023, , 313-327.		0
1086	A look at residential building stock in the United States - mapping life cycle embodied carbon emissions and other environmental impact. Sustainable Cities and Society, 2023, 89, 104333.	10.4	7
1087	Methodology for the selection of manufacturing technology chains based on ecologic and economic performance indicators. Journal of Manufacturing Systems, 2023, 66, 42-55.	13.9	2
1088	The capabilities and deficiencies of life cycle assessment to address the plastic problem. Frontiers in Sustainability, 0, 3, .	2.6	3
1089	A new impact assessment model to integrate space debris within the life cycle assessment-based environmental footprint of space systems. Frontiers in Space Technologies, 0, 3, .	1.4	2
1090	A Methodology Study for Marine Environmental Impact Assessment (EIA) of HNS Discharged from Marine Industrial Facilities. Journal of the Korean Society for Marine Environment & Energy, 2022, 25, 248-259.	0.2	0
1091	Life cycle assessment of a concrete 3D printing process. International Journal of Life Cycle Assessment, 2023, 28, 1-15.	4.7	4

ARTICLE IF CITATIONS Exploring the Missing Link between Life Cycle Assessment and Circularity Assessment in the Built 1092 3.1 3 Environment. Buildings, 2022, 12, 2152. Sustainable Dentistry: An Urgent Need for Change. BDJ Clinician's Guides, 2022, , 1-17. 1093 0.2 Life Cycle Assessment in Mining Activity., 2022, , 1-9. 0 1094 Life Cycle Assessment and Its Application in Wastewater Treatment: A Brief Overview. Processes, 2023, 1095 11, 208. Dataset to monitor regionalised environmental impacts of the main agricultural products in Spain. 1096 1.0 1 Data in Brief, 2023, 46, 108883. Spatialized Life Cycle Assessment of Fluid Milk Production and Consumption in the United States. 1097 3.2 Sustainability, 2023, 15, 1890. Life cycle assessment of biofuels., 2023, , 25-54. 1098 0 Treatment and disposal of sewage sludge from wastewater in a circular economy perspective., 2023, 1099 11-30. The depth of the soil's horizons profile has an effect on the human health impact score. Journal of 1100 9.3 0 Cleaner Production, 2023, , 136134. Life Cycle Assessment of Carbon Footprint of Green Tea Produced by Smallholder Farmers in Shaanxi Province of China. Agronomy, 2023, 13, 364. Life cycle assessment of e-waste management: current practices and future research agenda towards 1102 0 sustainability., 2023, , 237-252. Environmental ranking of European industrial facilities by toxicity and global warming potentials. 3.3 Scientific Reports, 2023, 13, . Toward sustainable reprocessing and valorization of sulfidic copper tailings: Scenarios and 1104 8.0 14 prospective LCA. Science of the Total Environment, 2023, 871, 162038. Heavy metal exposure risk associated with ingestion of Oreochromis niloticus and Coptodon kottae 2.7 harvested from a lacustrine ecosystem. Environmental Monitoring and Assessment, 2023, 195, . Beyond the Black Box of Life Cycle Assessment in Wastewater Treatment Plants: Which Help from 1106 2.7 1 Bioassays?. Water (Switzerland), 2023, 15, 960. Occupant's health and energy use in an office building: A sensor-enabled life cycle assessment. Building and Environment, 2023, 236, 110274. 6.9 Review and meta-analysis of recent life cycle assessments of hydrogen production. Cleaner 1108 4.2 8 Environmental Systems, 2023, 9, 100116. Advancing water footprint assessments: Combining the impacts of water pollution and scarcity. 1109 Science of the Total Environment, 2023, 870, 161910.

#	Article	IF	CITATIONS
1110	Environmental, Human and Ecotoxicological Impacts of Different Rice Cultivation Systems in Northern Thailand. International Journal of Environmental Research and Public Health, 2023, 20, 2738.	2.6	5
1111	Potential for reducing CO2 emissions from passenger cars in Japan by 2030 to achieve carbon neutrality. IATSS Research, 2023, 47, 185-195.	3.4	3
1112	Chemical Footprint as an Indicator of Health Impacts: The Case of Dioxins and Furans in Brazil. Sustainability, 2023, 15, 5314.	3.2	0
1113	Environmental performance of phytosanitary control techniques on soybean crop estimated by life cycle assessment (LCA). Environmental Science and Pollution Research, 2023, 30, 58315-58329.	5.3	1
1114	Environmental Impact Analysis of Alkali-Activated Concrete with Fiber Reinforcement. Infrastructures, 2023, 8, 68.	2.8	1
1115	Toxicity Impact Assessment of Nitrogen Oxide and Sulfur Dioxide Emissions in China's Textile Industry With Chemical Footprint Method. AATCC Journal of Research, 0, , 247234442311617.	0.6	1
1116	Comparative Life Cycle Assessment in the plastic sector: A systematic literature review. Cleaner Environmental Systems, 2023, 9, 100119.	4.2	4
1117	A methodology to screen priority toxins in pollutant release inventories. Journal of Environmental Management, 2023, 341, 118068.	7.8	0
1118	Ozonation Vs sequential solar driven processes as simultaneous tertiary and quaternary treatments of urban wastewater: A life cycle assessment comparison. Journal of Cleaner Production, 2023, 413, 137507.	9.3	5
1119	Reusing drainage water and substrate to improve the environmental and economic performance of Mediterranean greenhouse cropping. Journal of Cleaner Production, 2023, 413, 137510.	9.3	2
1120	A comprehensive image of environmental toxic heavy metals in red meat: A global systematic review and meta-analysis and risk assessment study. Science of the Total Environment, 2023, 889, 164100.	8.0	5
1121	Upcycling chlorinated waste plastics. Nature Reviews Methods Primers, 2023, 3, .	21.2	11
1122	Wykorzystanie metody oceny cyklu życia do oszacowania potencjalnej toksyczności chemicznej ochrony pszenicy ozimej w różnych systemach uprawy roli. Agronomy Science, 2023, 78, 53-67.	0.3	0
1124	Life cycle assessment. , 2024, , 829-836.		0
1125	On the relevance of site specificity and temporal variability in agricultural LCA: a case study on mandarin in North Uruguay. International Journal of Life Cycle Assessment, 0, , .	4.7	1
1126	Dealing with uncertainties in comparative building life cycle assessment. Building and Environment, 2023, 242, 110543.	6.9	2
1127	Life Cycle Assessment of Pilot-Scale Bio-Refining of Invasive Japanese Knotweed Alien Plant towards Bio-Based Bioactive Compounds. Processes, 2023, 11, 1393.	2.8	0
1128	Scenario-based modelling of changes in chemical intake fraction in Sweden and the Baltic Sea under global change. Science of the Total Environment, 2023, 888, 164247.	8.0	0

#	Article	IF	Citations
1129	Environmental impacts and improvement potentials for copper mining and mineral processing operations in China. Journal of Environmental Management, 2023, 342, 118178.	7.8	3
1130	Modeling Environmental Fate, Transport, and Transformation of Pesticides: First-Order Kinetic Models for Regional and Global Applications. Reviews of Environmental Contamination and Toxicology, 2023, 261, .	1.3	2
1131	Combined Application of a Multi-Objective Genetic Algorithm and Life Cycle Assessment for Evaluating Environmentally Friendly Farming Practices in Japanese Rice Farms. Sustainability, 2023, 15, 10059.	3.2	0
1132	Promoting the design of future urban metro systems to improve air pollution: Based on metal element pollution in Chinese metro system. Sustainable Cities and Society, 2023, 97, 104753.	10.4	1
1133	Characterization of nitrogen emissions for freshwater eutrophication modelling in life cycle impact assessment at the damage level and urban scale. Ecological Indicators, 2023, 154, 110598.	6.3	0
1134	Multiresponse Performance Evaluation and Life Cycle Assessment for the Optimal Elimination of Pb (II) from Industrial Wastewater by Adsorption Using Vine Shoot Activated Carbon. Sustainability, 2023, 15, 11007.	3.2	5
1135	Advances in understanding the processes and cycling of nanoparticles in the terrestrial environment. Advances in Agronomy, 2023, , 1-79.	5.2	1
1136	Prospects of Circularity in Steel Industry: Mapping Through LCA Approach. Environmental Footprints and Eco-design of Products and Processes, 2023, , 35-46.	1.1	0
1138	Global Development on LCA Research. International Journal of Social Ecology and Sustainable Development, 2023, 14, 1-19.	0.2	1
1139	Addressing the intersection of COVID-19 and metal nanoparticle use: Risks and control strategies. Critical Reviews in Environmental Science and Technology, 0, , 1-23.	12.8	1
1140	A Critical Review of Data Science Applications in Resource Recovery and Carbon Capture from Organic Waste. ACS ES&T Engineering, 2023, 3, 1424-1467.	7.6	2
1142	Characterizing human health damage from ionizing radiation in life cycle assessment. International Journal of Life Cycle Assessment, 2023, 28, 1723-1734.	4.7	1
1143	Enhancing the value of comparative exposure assessment in alternatives assessment. Frontiers in Sustainability, 0, 4, .	2.6	0
1145	SPOT: A Strategic Life-Cycle-Assessment-Based Methodology and Tool for Cosmetic Product Eco-Design. Sustainability, 2023, 15, 14321.	3.2	0
1146	Sustainability of corrosion protection for offshore wind turbine towers. Progress in Organic Coatings, 2024, 186, 107998.	3.9	1
1147	Regional management options for floating marine litter in coastal waters from a life cycle assessment perspective. International Journal of Life Cycle Assessment, 0, , .	4.7	0
1148	Costs, carbon footprint, and environmental impacts of lithium-ion batteries – From cathode active material synthesis to cell manufacturing and recycling. Applied Energy, 2024, 353, 122132.	10.1	4
1149	Water quality footprint of agricultural emissions of nitrogen, phosphorus and glyphosate associated with German bioeconomy. Communications Earth & Environment, 2023, 4, .	6.8	2

#	Article	IF	CITATIONS
1150	Environmental External Production Costs of Extracts Derived from Poplar-Containing Bioactive Substances. Energies, 2023, 16, 7544.	3.1	0
1151	Ecotoxicity effect factors for plastic additives on the aquatic environment: a new approach for life cycle impact assessment. Environmental Pollution, 2024, 341, 122935.	7.5	0
1152	Life cycle assessment of fossil- and bio-based polyurethane foams:a review. Journal of Cleaner Production, 2023, 430, 139697.	9.3	0
1153	Waste LCA and the future. Waste Management, 2024, 174, 53-75.	7.4	1
1154	Potential for Machine Learning to Address Data Gaps in Human Toxicity and Ecotoxicity Characterization. Environmental Science & Technology, 2023, 57, 18259-18270.	10.0	3
1156	A comparative approach to evaluate the toxicity of building materials through life cycle assessment. Science of the Total Environment, 2024, 912, 168897.	8.0	1
1158	Computationally efficient sensitivity analysis for building ecodesign with many-level categorical input factors. International Journal of Metrology and Quality Engineering, 2023, 14, 15.	1.0	0
1159	Metal Characterization of LED Lamp Waste: Hazard Classification and Potential Toxicity Impacts Evaluation. Journal of Hazardous, Toxic, and Radioactive Waste, 2024, 28, .	2.0	0
1160	Taking the spatio-temporal effects of climate change into account for Life Cycle Assessment of prospective scenarios to secure water supplies in agricultural areas. Science of the Total Environment, 2023, , 169345.	8.0	0
1161	Influence of data selection on aquatic ecotoxicity characterization factors for selected persistent and mobile substances. International Journal of Life Cycle Assessment, 0, , .	4.7	0
1162	The "SQUIID claim― A novel LCA-based indicator for food dishes. Journal of Cleaner Production, 2024, 434, 140241.	9.3	0
1163	Energy demand distribution and environmental impact assessment of chitosan production from shrimp shells. Renewable and Sustainable Energy Reviews, 2024, 192, 114204.	16.4	0
1164	Harm from Residential Indoor Air Contaminants. Environmental Science & Technology, 0, , .	10.0	1
1165	Harmonizing pesticides environmental quality standards: A fate-pathway perspective. Chemosphere, 2024, 350, 141063.	8.2	0
1166	Metal oxides in organic solar cells. , 2024, , 577-606.		0
1167	Environmental challenges and perspectives in the development of nanocomposites for enhanced flame-retardant properties. , 2024, , 369-424.		0
1168	Steering Innovation toward Sustainable Electrochromic Displays: A Prospective Life Cycle Assessment Study. ACS Sustainable Chemistry and Engineering, 2024, 12, 1501-1513.	6.7	0
1169	Evaluation of LCIA characterization models for marine ecotoxicity. International Journal of Life Cycle Assessment, 2024, 29, 706-732.	4.7	0

\sim	~
CHAILON	NEFORT

#	Article	IF	CITATIONS
1170	A framework for the environmental assessment of water-energy-food-climate nexus of crops: Development of a comprehensive decision support indicator. Ecological Indicators, 2024, 158, 111574.	6.3	0
1171	Monitoring the bioeconomy: Value chains under the framework of life cycle assessment indicators. , 2024, 7, 100072.		0
1172	Life cycle assessment of wood-based panels: A review. Journal of Cleaner Production, 2024, 444, 140955.	9.3	1
1173	Toward a comprehensive life-cycle carcinogenic impact assessment: A statistical regression approach based on cancer burden. Science of the Total Environment, 2024, 921, 170851.	8.0	0
1174	Tracing environmental footprint of copper wire rod manufacturing in China. Resources, Conservation and Recycling, 2024, 204, 107503.	10.8	0
1175	Toward a comprehensive life cycle aquatic ecotoxicity assessment via machine learning: Application to coal power generation in China. Journal of Cleaner Production, 2024, 445, 141373.	9.3	0
1176	A Comprehensive Study from Cradle-to-Grave on the Environmental Profile of Malted Legumes. Foods, 2024, 13, 655.	4.3	0
1177	Toward Sustainable Fire Safety: Life Cycle Assessment of Phosphinate-Based and Brominated Flame Retardants in E-Mobility and Electronic Devices. ACS Sustainable Chemistry and Engineering, 2024, 12, 3652-3658.	6.7	0
1178	Assessing life cycle impacts from toxic substance emissions in major crop production systems in Thailand. Sustainable Production and Consumption, 2024, 46, 717-732.	11.0	0
1179	Life cycle assessment of citrus tree nurseries in Uruguay: Are their environmental impacts relevant?. Environmental Impact Assessment Review, 2024, 106, 107488.	9.2	0
1180	Assessing the Environmental Sustainability of Lignin-Based Epoxy Resins for Coating Production. ACS Sustainable Chemistry and Engineering, 2024, 12, 4970-4978.	6.7	0