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Life cycle assessment part 1: framework, goal and scope definition, inventory analysis, and applications

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1267	Life cycle assessment part 2: current impact assessment practice. <i>Environment International</i> , 2004 , 30, 721-39	12.9	485
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1259	Energy Consumption During Nanoparticle Production: How Economic is Dry Synthesis?. 2006 , 8, 1-9		103
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1257	Reply: Downstream cut-offs in integrated hybrid life-cycle assessment. 2006 , 59, 7-12		43
1256	Life cycle assessment of active and passive groundwater remediation technologies. 2006 , 83, 171-99		60
1255	Risk and Regulatory Hazard-Based Toxicological Effect Indicators in Life-Cycle Assessment (LCA). 2006 , 12, 450-475		59
1254	Supercritical fluid textile dyeing technology. 2007 , 93-115		
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1252	Prioritising sustainable consumption patterns: key decisions and environmental gains. 2007 , 2, 140	8
1251	Environmental and economic assessment methods for waste management decision-support: possibilities and limitations. 2007 , 25, 263-9	61
1250	Sustainable supply chains: An introduction. 2007 , 25, 1075-1082	950
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1247	Evaluating the environmental impact of various dietary patterns combined with different food production systems. 2007 , 61, 279-86	227
1246	What life-cycle assessment does and does not do in assessments of waste management. 2007 , 27, 989-96	267
1245	A streamlined life cycle assessment on the fabrication of WC ₁₀ cermet. <i>Journal of Cleaner Production</i> , 2008 , 16, 1118-1126	10.3 19
1244	Attributional and consequential LCA of milk production. 2008 , 13, 339-349	226
1243	A survey of unresolved problems in life cycle assessment. 2008 , 13, 290-300	364
1242	Assessment of cleaner process options: A case study from petroleum refining. 2008 , 86, 302-315	4
1241	Modelling the environmental impact of an aluminium pressure die casting plant and options for control. 2008 , 23, 147-168	28
1240	Fire-LCA model for environmental decision-making. 2008 , 86, 1161-1166	11
1239	Building energy performance: A LCA case study of kenaf-fibres insulation board. 2008 , 40, 1-10	192
1238	Life cycle assessment in the telecommunication industry: A review. 2008 , 13, 75-86	20
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1236	Normalisation in product life cycle assessment: an LCA of the global and European economic systems in the year 2000. 2008 , 390, 227-40	337
1235	Life-Cycle Assessment as a Tool for Sustainable Transportation Infrastructure Management. 257-282	2

1234	Aquaculture and the Environment in the United States. 3-54		3
1233	An environmental assessment framework with respect to the Requirements of Energy-using Products Directive. 2008 , 222, 643-651		12
1232	Environmental impact of compostable polymer materials. 2008 , 182-199		2
1231	. 2008 ,		18
1230	Energy efficiency driven process analysis and optimization in discrete manufacturing. 2009 ,		22
1229	A state-of-the-art of industrial sustainability: definitions, tools and metrics. 2009 , 4, 207		65
1228	Life cycle assessment of oriented strand boards (OSB): from process innovation to ecodesign. 2009 , 43, 6003-9		21
1227	Life cycle assessment study of a Chinese desktop personal computer. 2009 , 407, 1755-64		84
1226	Life cycle assessment of ecological sanitation system for small-scale wastewater treatment. 2009 , 407, 1506-16		61
1225	Environmentally Benign Microreaction Process Design by Accompanying (Simplified) Life Cycle Assessment. 2009 , 32, 1757-1765		36
1224	Exergetic life-cycle assessment (ELCA) for resource consumption evaluation in the built environment. 2009 , 44, 11-17		57
1223	Recent developments in Life Cycle Assessment. 2009 , 91, 1-21		1702
1222	Assessing alternative aquaculture technologies: life cycle assessment of salmonid culture systems in Canada. <i>Journal of Cleaner Production</i> , 2009 , 17, 362-373	10.3	148
1221	Eco-Efficiency of Electric and Electronic Appliances: A Data Envelopment Analysis (DEA). 2009 , 14, 439-447		68
1220	Influence of assumptions about selection and recycling efficiencies on the LCA of integrated waste management systems. 2009 , 14, 411-419		97
1219	Hybrid Framework for Managing Uncertainty in Life Cycle Inventories. 2009 , 13, 928-944		124
1218	Life cycle assessment for optimising the level of separated collection in integrated MSW management systems. 2009 , 29, 934-44		113
1217	The Environmental Performance Strategy Map: an integrated LCA approach to support the strategic decision-making process. <i>Journal of Cleaner Production</i> , 2009 , 17, 900-906	10.3	255

1216	Uncertainties related to the identification of the marginal energy technology in consequential life cycle assessments. <i>Journal of Cleaner Production</i> , 2009 , 17, 1331-1338	10.3	132
1215	LCA of renewable energy for electricity generation systemsA review. 2009 , 13, 1067-1073		331
1214	Analytical framework and tool kit for SEA follow-up. 2009 , 29, 186-199		34
1213	An alternative approach for the energy and environmental rating of advanced glazing: An electrochromic window case study. 2009 , 41, 17-26		28
1212	A life cycle assessment of destruction of ammunition. 2009 , 170, 1101-9		14
1211	Assessing the ecological soundness of organic and conventional agriculture by means of life cycle assessment (LCA). 2009 , 111, 1028-1061		54
1210	Life cycle assessments of municipal solid waste management systems: a comparative analysis of selected peer-reviewed literature. <i>Environment International</i> , 2009 , 35, 1256-66	12.9	227
1209	Life-cycle analysis and the ecology of biofuels. 2009 , 14, 140-6		191
1208	An examination of existing data for the industrial manufacture and use of nanocomponents and their role in the life cycle impact of nanoproducts. 2009 , 43, 1256-63		122
1207	Nanoscience and Nanotechnology: Environmental and Health Impacts. 2009 , 681-727		2
1206	Environmental impacts of electronic invoicing. 2010 , 7, 93		9
1205	Towards a Computational Framework for Energy Estimation: Needs, Requirements, and Its Generic Shell. 2010 ,		1
1204	Ecodesign for services: an innovative comprehensive method. 2010 , 2, 277		4
1203	Energy efficiency and the environmental impact of harvesting stumps and logging residues. 2010 , 129, 1223-1235		72
1202	The incorporation of waste prevention activities into life cycle assessments of municipal solid waste management systems: methodological issues. 2010 , 15, 579-589		54
1201	Coupling GIS and LCA for biodiversity assessments of land use. 2010 , 15, 692-703		60
1200	Cradle-to-gate life cycle inventory of vancomycin hydrochloride. 2010 , 408, 1331-7		18
1199	Food waste conversion options in Singapore: environmental impacts based on an LCA perspective. 2010 , 408, 1367-73		180

1198	The life cycle impact assessment applied to the Domingo Rubio tidal system by the study of seasonal variations of the aquatic eutrophication potential. 2010 , 408, 5897-902		3
1197	Plastic waste management in the context of a European recycling society: Comparing results and uncertainties in a life cycle perspective. 2010 , 55, 246-259		246
1196	Emergy as a tool for Ecodesign: evaluating materials selection for beverage packages in Brazil. <i>Journal of Cleaner Production</i> , 2010 , 18, 32-43	10.3	65
1195	Options for broadening and deepening the LCA approaches. <i>Journal of Cleaner Production</i> , 2010 , 18, 120-127	10.3	233
1194	Use of life cycle assessment methodology for determining phytoremediation potentials of maize-based cropping systems in fields with nitrogen fertilizer over-dose. <i>Journal of Cleaner Production</i> , 2010 , 18, 1530-1534	10.3	30
1193	A perspective on LCA application in site remediation services: critical review of challenges. 2010 , 175, 12-22		58
1192	Assessing socially disruptive technological change. 2010 , 32, 209-218		16
1191	LCA comparison of container systems in municipal solid waste management. 2010 , 30, 949-57		52
1190	The use of life cycle assessment for the comparison of biowaste composting at home and full scale. 2010 , 30, 983-94		131
1189	Life Cycle Assessment of biogas production by monofermentation of energy crops and injection into the natural gas grid. 2010 , 34, 54-66		147
1188	Printed and tablet e-paper newspaper from an environmental perspective [A screening life cycle assessment. 2010 , 30, 177-191		59
1187	Using non-local databases for the environmental assessment of industrial activities: The case of Latin America. 2010 , 30, 145-157		23
1186	Options to reduce the environmental impacts of residential buildings in the European Union: Potential and costs. 2010 , 42, 976-984		157
1185	Environmental Assessment of Wood-Based Biofuel Production and Consumption Scenarios in Norway. 2010 , 14, 422-439		27
1184	Waste collection systems for recyclables: an environmental and economic assessment for the municipality of Aarhus (Denmark). 2010 , 30, 744-54		80
1183	A Life-Cycle Approach to Characterising Environmental and Economic Impacts of Multifunctional Land-Use Systems: An Integrated Assessment in the UK. <i>Sustainability</i> , 2010 , 2, 3747-3776	3.6	33
1182	Quantification of the Environmental Benefits of Ultrafine/Nanotitanium Dioxide Photocatalyst Coatings for Concrete Pavement Using Hybrid Life-Cycle Assessment. 2010 , 16, 160-166		19
1181	Comparing Energy Use and Environmental Impacts of Recycling and Waste Incineration. 2010 , 136, 744-748		24

1180	Review of Life Cycle Assessment in Agro-Chemical Processes. 2010 , 5,	1
1179	Environmental Impacts of Milk Packaging Made from Polythene Using Life Cycle Assessment. 2010 ,	1
1178	Cumulative energy demand as predictor for the environmental burden of commodity production. 2010 , 44, 2189-96	268
1177	Accounting for ecosystem services in life cycle assessment, Part I: a critical review. 2010 , 44, 2232-42	157
1176	Accounting for ecosystem services in Life Cycle Assessment, Part II: toward an ecologically based LCA. 2010 , 44, 2624-31	160
1175	Process of aluminum dross recycling and life cycle assessment for Al-Si alloys and brown fused alumina. 2010 , 20, 2155-2161	42
1174	Evaluation of the Environmental and Economic Impacts of Warm-Mix Asphalt Using Life-Cycle Assessment. 2010 , 6, 238-250	33
1173	Industrial ecology network optimization with life cycle metrics. 2010 ,	
1172	Using GeTLS EXIN learning for the life cycle inventory problem. 2010 ,	
1171	Environmental life cycle assessment of brackish water reverse osmosis desalination for different electricity production models. 2011 , 4, 2267	43
1170	. 2011 ,	4
1169	Atlantic Salmon (<i>Salmo salar</i>): The Super-Chicken of the Sea?. 2011 , 19, 257-278	104
1168	Data mining approaches for life cycle assessment. 2011 ,	8
1167	Tracking toxicants: toward a life cycle aware risk assessment. 2011 , 45, 45-50	19
1166	Life cycle assessment of a household solid waste source separation programme: a Swedish case study. 2011 , 29, 1027-42	33
1165	Streamlined Life Cycle Approaches for Use at Oil Refineries and Other Large Industrial Facilities. 2011 , 50, 1624-1636	11
1164	Sustainability measurement system: a reference model proposal. 2011 , 7, 438-471	101
1163	Biofuels, greenhouse gases and climate change. A review. 2011 , 31, 1-79	119

1162	Modelling Superstructure for Conceptual Design of Syngas Generation and Treatment. 2011 , 169-199	
1161	Environmental Impact Assessment Model for Wireless Sensor Networks. 2011 , 124-129	1
1160	Decision support towards agile eco-design of microreaction processes by accompanying (simplified) life cycle assessment. 2011 , 13, 1694	28
1159	A review of whole farm systems models of greenhouse gas emissions from beef and dairy cattle production systems. 2011 , 166-167, 29-45	180
1158	Assessing the life cycle costs and environmental performance of lightweight materials in automobile applications. 2011 , 42, 1694-1709	216
1157	How durable is sustainable enterprise? Ecological sustainability meets the reality of tough economic times. 2011 , 54, 115-124	30
1156	Embodied energy of manufacturing supply chains. 2011 , 4, 317-323	36
1155	Renewable Energy in the Context of Sustainable Development. 707-790	32
1154	Life Cycle Assessment in Municipal Solid Waste Management. 2011 ,	7
1153	Ethical analysis of three methods for destruction of ammunition. 2011 , 13, 63-79	2
1152	Pressurized Hot Water Extraction and Processing. 2011 , 223-254	6
1151	Life cycle evaluation strategies of biodiesel fuel along the supply chain in public transport. 2011 , 9, 186	7
1150	Production assessment in the electrolytic manganese metal industry in China. 2011 , 108, 437-442	15
1149	Eco-efficiency in the production chain of Dutch semi-hard cheese. 2011 , 139, 91-99	61
1148	Recent progress and application of materials life cycle assessment in China. 2011 , 21, 1-11	7
1147	Effects of waste recovery on carbon footprint: a case study of the Gulf of Bothnia steel and zinc industries. <i>Journal of Cleaner Production</i> , 2011 , 19, 1857-1857	10,3 10
1146	Environmental life cycle assessment of reverse osmosis desalination: The influence of different life cycle impact assessment methods on the characterization results. 2011 , 283, 227-236	56
1145	Evaluating the environmental impacts of an urban wetland park based on energy accounting and life cycle assessment: A case study in Beijing. 2011 , 222, 351-359	53

1144	The complexity and challenges of determining GHG (greenhouse gas) emissions from grid electricity consumption and conservation in LCA (life cycle assessment) A methodological review. 2011 , 36, 6705-6713		83
1143	Econometric models for biohydrogen development. 2011 , 102, 8475-83		21
1142	A bibliometric study of the trend in articles related to eutrophication published in Science Citation Index. 2011 , 89, 919-927		20
1141	An examination of silver nanoparticles in socks using screening-level life cycle assessment. 2011 , 13, 147-156		56
1140	Environmental analysis of the production of natural cork stoppers in southern Europe (Catalonia Spain). <i>Journal of Cleaner Production</i> , 2011 , 19, 259-271	10.3	27
1139	An eco- and inno-product design system applying integrated and intelligent qfde and triz methodology. 2011 , 20, 443-459		17
1138	Life-cycle assessment as a sustainability management tool: Strengths, weaknesses, and other considerations. 2011 , 20, 1-10		23
1137	Life cycle inventory of HDPE bottle-based liquid milk packaging systems. 2011 , 24, 49-60		10
1136	Using life cycle approaches to enhance the value of corporate environmental disclosures. 2011 , 20, 38-54		28
1135	ecoinvent Eine konsistente, transparente und qualitgesicherte Hintergrunddatenbank ff Robilanzen & Co. 2011 , 83, 1590-1596		3
1134	A Study on the Net Greenhouse Gas Emissions under Intensive High-yielding Cropland in North China-A Case Study of Winter Wheat-Summer Maize Rotation System in Huantai County. 2011 , 5, 785-792		8
1133	Biomass from agriculture in small-scale combined heat and power plants A comparative life cycle assessment. 2011 , 35, 1572-1581		102
1132	Life cycle analysis of processes for hydrogen production. 2011 , 36, 7844-7851		39
1131	Impacts of metals on human health: a comparison between nine different methodologies for Life Cycle Impact Assessment (LCIA). <i>Journal of Cleaner Production</i> , 2011 , 19, 646-656	10.3	107
1130	A mathematical programming tool for LCI-based product design and case study for a carpet product. <i>Journal of Cleaner Production</i> , 2011 , 19, 1347-1355	10.3	2
1129	Life cycle assessment of milk produced in two smallholder dairy systems in the highlands and the coast of Peru. <i>Journal of Cleaner Production</i> , 2011 , 19, 1494-1505	10.3	51
1128	Life cycle assessment of sugar industry: A review. 2011 , 15, 3445-3453		89
1127	Material and energy recovery in integrated waste management systems. An evaluation based on life cycle assessment. 2011 , 31, 2092-101		98

1126	Energy and Environment Undergraduate Course Emphasizing Comparative Metrics. 2011 , 137, 64-68	3
1125	Life cycle assessment (LCA) of alternative hydrocarbon fuel conversion. 2011 , 83-101	
1124	Comparison of Life Cycle Assessment of Two Toasters. 2011 ,	
1123	Lean Management and Low Carbon Emissions in Precast Concrete Factories in Singapore. 2012 , 18, 176-186	35
1122	Sustainable value chain analysis in a case study of Oxford Landing from "line to dine" 2012 , 17, 68-77	85
1121	Environmental life-cycle assessment of polymer nanocomposites. 2012 , 33-54	1
1120	Product carbon footprint developments and gaps. 2012 , 42, 338-354	38
1119	Ecological lifecycle assessment of an electric drive for the automotive industry. 2012 ,	4
1118	Analysis of the environmental impact assessment of power energy projects in Latvia. 2012 , 23, 190-203	6
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1116	Simulation Modeling of Energy Dynamics in Discrete Manufacturing Systems. 2012 , 45, 740-745	5
1115	Energy analysis and potentials of biodiesel production from <i>Jatropha Curcas</i> in Tunisia. 2012 , 35, 441	7
1114	A cybernetic model of corporate responsibility - sensing changes in business and society. 2012 , 60, 4	5
1113	Sustainability assessment of UK streetworks. 2012 , 165, 193-204	4
1112	Structural Change and the Environment. 2012 , 16, 623-635	10
1111	Removal and renewal of catalytic coatings from lab- and pilot-scale microreactors, accompanied by life cycle assessment and cost analysis. 2012 , 14, 3034	15
1110	Life cycle assessment of TV sets in China: a case study of the impacts of CRT monitors. 2012 , 32, 1926-36	73
1109	The Use of Emulsion Pertraction Technology as an Eco-Innovative Membrane Process for the Galvanic Industry. 2012 , 44, 187-190	1

1108	Life Cycle Assessment Software for Product and Process Sustainability Analysis. 2012 , 89, 884-890	11
1107	Inclusion of Environmental Impact Parameters in Radial Pentagon Material Efficiency Metrics Analysis: Using Benign Indices as a Step Towards a Complete Assessment of Greenness For Chemical Reactions and Synthesis Plans. 2012 , 16, 1482-1506	35
1106	Life Cycle Assessment of the MBT plant in Ano Liossia, Athens, Greece. 2012 , 32, 213-9	47
1105	Lees' Loss Prevention in the Process Industries - Pages 3129-3580. 2012 , 3129-3580	
1104	Environmental assessment of a territory: an overview of existing tools and methods. 2012 , 112, 213-25	122
1103	Applying a network level in environmental impact assessments. 2012 , 65, 247-255	33
1102	Life cycle assessment (LCA) applied to the process industry: a review. 2012 , 17, 1028-1041	156
1101	Green Chemistry and Green Polymer Chemistry. 2012 , 5-14	10
1100	Integration of LCA and Life-Cycle Thinking within the Themes of Sustainable Chemistry & Engineering. 2012 , 369-389	4
1099	Model to investigate energy and greenhouse gas emissions implications of refining petroleum: impacts of crude quality and refinery configuration. 2012 , 46, 13037-47	54
1098	Global effects of national biomass production and consumption: Austria's embodied HANPP related to agricultural biomass in the year 2000. 2012 , 84, 66-73	16
1097	Towards a Decision Support Framework for Sustainable Manufacturing. 2012 , 83-88	1
1096	Cradle-to-gate life cycle assessment for a cradle-to-cradle cycle: biogas-to-bioplastic (and back). 2012 , 46, 9822-9	80
1095	Environmental Issues. 2012 , 307-328	
1094	Comparative life cycle assessment and life cycle costing of four disposal scenarios for used polyethylene terephthalate bottles in Mauritius. 2012 , 33, 2007-18	19
1093	Disposal of post-consumer polyethylene terephthalate (PET) bottles: comparison of five disposal alternatives in the small island state of Mauritius using a life cycle assessment tool. 2012 , 33, 563-72	24
1092	Integrating Sustainability Assessment into Manufacturing Decision Making. 2012 , 551-556	7
1091	Life cycle assessment based evaluation of regional impacts from agricultural production at the Peruvian coast. 2012 , 46, 9872-80	19

1090	Tourism Life Cycle Assessment (LCA): Proposal of a New Methodological Framework for Sustainable Consumption and Production. 2012 ,		2
1089	Can Numerical Models Estimate Indirect Land-Use Change?. 2012 ,		1
1088	A Sustainability and Mass Customization Assessment Framework. 2012 ,		1
1087	Estimates of carbon stored in harvested wood products from the United States forest service northern region, 1906-2010. 2012 , 7, 1		34
1086	Ultrasound and microstructures--a promising combination?. 2012 , 5, 279-88		54
1085	On the link between economic and environmental performance of Swiss dairy farms of the alpine area. 2012 , 17, 706-719		55
1084	Integrating services and tools in an ICT platform to support eco-innovation in SMEs. 2012 , 14, 211-221		41
1083	Environmental supply chain network design using multi-objective fuzzy mathematical programming. 2012 , 36, 3433-3446		262
1082	Origins of the debate on the life-cycle greenhouse gas emissions and energy consumption of first-generation biofuels [A sensitivity analysis approach. 2012 , 40, 133-142		31
1081	Environmental Assessment of Refuse-Derived Fuel Co-Combustion in a Coal-Fired Power Plant. 2012 , 16, 748-760		30
1080	Environmental analysis of cork granulate production in Catalonia [Northern Spain. 2012 , 58, 132-142		32
1079	A critical review on sustainability assessment of recycled water schemes. 2012 , 426, 13-31		104
1078	Environmental impacts of biogas deployment [Part I: life cycle inventory for evaluation of production process emissions to air. <i>Journal of Cleaner Production</i> , 2012 , 24, 168-183	10.3	143
1077	Environmental analysis of the production of champagne cork stoppers. <i>Journal of Cleaner Production</i> , 2012 , 25, 1-13	10.3	20
1076	On process optimization considering LCA methodology. 2012 , 96, 43-54		106
1075	Environmental Impact Assessment--methodology with special emphasis on European pork production. 2012 , 107, 102-9		37
1074	Life cycle assessment of electricity transmission and distribution[part 1: power lines and cables. 2012 , 17, 9-15		32
1073	Life cycle assessment of electricity transmission and distribution[part 2: transformers and substation equipment. 2012 , 17, 184-191		31

1072	Life cycle energy consumption and CO2 emission of an office building in China. 2012 , 17, 105-118	115
1071	Sustainability and Earth Resources: Life Cycle Assessment Modeling. 2013 , 22, 429-441	16
1070	Framework for Sustainable Food Packaging Design. 2013 , 26, 187-200	69
1069	Product-Oriented Environmental Management Systems (POEMS). 2013 ,	3
1068	Sustainability of Biofuel Production from Oil Palm Biomass. 2013 ,	17
1067	What Scientific Issues in Life Cycle Assessment Applied to Waste and Biomass Valorization? Editorial. 2013 , 4, 377-383	4
1066	Decision support methods for the environmental assessment of contamination at mining sites. 2013 , 185, 7809-32	18
1065	The life cycle assessment of an e-waste treatment enterprise in China. 2013 , 15, 469-475	36
1064	Preliminary environmental impact assessment of PFOS waste treatment in a lab-scale batch subcritical water decomposition operation. 2013 , 15, 489-502	2
1063	Environmental-benefit analysis of two urban waste collection systems. 2013 , 463-464, 72-7	25
1062	Adapting the LCA framework to environmental assessment in land planning. 2013 , 18, 1533-1548	68
1061	Revisiting the role of LCA and SLCA in the transition towards sustainable production and consumption. 2013 , 18, 1642-1652	59
1060	Towards a triple bottom-line sustainability assessment of the U.S. construction industry. 2013 , 18, 958-972	87
1059	Exploring variability in methods and data sensitivity in carbon footprints of feed ingredients. 2013 , 18, 768-782	40
1058	Life cycle assessment of desktop PCs in Macau. 2013 , 18, 553-566	33
1057	Evaluation of a feeding strategy to reduce greenhouse gas emissions from dairy farming: The level of analysis matters. 2013 , 121, 9-22	36
1056	Regional evaluation of brine management for geologic carbon sequestration. 2013 , 14, 39-48	27
1055	Modelling uncertainty in the sustainability of Intelligent Transport Systems for highways using probabilistic data fusion. 2013 , 49, 78-97	23

1054	Prognostication of environmental indices in potato production using artificial neural networks. <i>Journal of Cleaner Production</i> , 2013 , 52, 402-409	10.3	56
1053	Calculating sustainability in supply chain capitalism. 2013 , 42, 571-596		48
1052	Review on life cycle assessment of integrated solid waste management in some Asian countries. <i>Journal of Cleaner Production</i> , 2013 , 41, 251-262	10.3	99
1051	Life cycle assessment in the construction sector: A review. 2013 , 26, 379-388		279
1050	Implementation of an eco-innovative separation process for a cleaner chromium passivation in the galvanic industry. <i>Journal of Cleaner Production</i> , 2013 , 59, 274-283	10.3	18
1049	Environmental and economic assessment of a road safety product made with virgin and recycled HDPE: a comparative study. 2013 , 114, 209-15		24
1048	Advances in Production Management Systems. Sustainable Production and Service Supply Chains. 2013 ,		1
1047	Phase change material applications in buildings: an environmental assessment for some Spanish climate severities. 2013 , 444, 16-25		39
1046	The study of potable water treatment process in Algeria (boudouaou station) -by the application of life cycle assessment (LCA). 2013 , 11, 37		6
1045	Life cycle assessments of biodegradable, commercial biopolymersA critical review. 2013 , 78, 54-66		244
1044	Approaches for inclusion of forest carbon cycle in life cycle assessment A review. 2013 , 5, 475-486		131
1043	Fuzzy Cognitive Maps for Product Planning: Using Stakeholder Knowledge to Achieve Corporate Responsibility. 2013 ,		10
1042	Agile green process design for the intensified Kolbe-Schmitt synthesis by accompanying (simplified) life cycle assessment. 2013 , 47, 5362-71		26
1041	Comparative life cycle assessment and social life cycle assessment of used polyethylene terephthalate (PET) bottles in Mauritius. 2013 , 18, 155-171		120
1040	Towards stronger measures for sustainable consumption and production policies: proposal of a new fiscal framework based on a life cycle approach. 2013 , 18, 263-272		15
1039	Recycling of rare earths: a critical review. <i>Journal of Cleaner Production</i> , 2013 , 51, 1-22	10.3	1360
1038	Effect of eating seasonal on the carbon footprint of Swedish vegetable consumption. <i>Journal of Cleaner Production</i> , 2013 , 59, 63-72	10.3	49
1037	Improving the environmental performance of bedding products by using life cycle assessment at the design stage. <i>Journal of Cleaner Production</i> , 2013 , 52, 155-164	10.3	12

1036	Business meetings at a distance [Decreasing greenhouse gas emissions and cumulative energy demand?. <i>Journal of Cleaner Production</i> , 2013 , 41, 126-139	10.3	22
1035	Does the rapid development of China's urban residential buildings matter for the environment?. 2013 , 64, 130-137		19
1034	Sustainable PLM through Intelligent Products. 2013 , 26, 789-799		68
1033	Options for Biofuel Production [Status and Perspectives. 2013 , 523-553		6
1032	The quest for a sustainable product: An environmental study of tyre recyclates. 2013 , 52, 196-206		9
1031	Sustainability assessment of U.S. manufacturing sectors: an economic input output-based frontier approach. <i>Journal of Cleaner Production</i> , 2013 , 53, 91-102	10.3	140
1030	Benefit assessment of cost, energy, and environment for biomass pyrolysis oil. <i>Journal of Cleaner Production</i> , 2013 , 59, 141-149	10.3	49
1029	Energy payback: An attributional and environmentally focused approach to energy balance in net zero energy buildings. 2013 , 65, 84-92		31
1028	Assessment of the biomass energy potentials and environmental benefits of <i>Jatropha curcas</i> L. in Southwest China. 2013 , 56, 342-350		33
1027	Life cycle freshwater ecotoxicity, human health cancer, and noncancer impacts of corn ethanol and gasoline in the U.S.. <i>Journal of Cleaner Production</i> , 2013 , 53, 149-157	10.3	26
1026	Decision support models for solid waste management: review and game-theoretic approaches. 2013 , 33, 1290-301		95
1025	Environmental impact and cost assessment of incineration and ethanol production as municipal solid waste management strategies. 2013 , 18, 1502-1512		18
1024	Health Hazards and Recycling and Life Cycle Assessment of Nanomaterials and Their Composites. 2013 , 279-294		
1023	An improved life cycle impact assessment (LCIA) approach for assessing aquatic eco-toxic impact of brine disposal from seawater desalination plants. 2013 , 308, 233-241		49
1022	Changing from petroleum to wood-based materials: critical review of how product sustainability characteristics can be assessed and compared. <i>Journal of Cleaner Production</i> , 2013 , 39, 372-385	10.3	27
1021	Bio-production from Australian sugarcane: an environmental investigation of product diversification in an agro-industry. <i>Journal of Cleaner Production</i> , 2013 , 39, 87-96	10.3	34
1020	Comparative streamlined life cycle assessment for two types of municipal solid waste incinerator. <i>Journal of Cleaner Production</i> , 2013 , 53, 56-66	10.3	31
1019	Alternative Energies. 2013 ,		2

1018	Environmental Sustainability Assessment of an Innovative Cr (III) Passivation Process. 2013 , 1, 481-487	17
1017	An Axiomatic Approach to Design for Sustainable End-of-Life: A Review of Literature. 2013 , 315, 705-709	2
1016	Lipid-based liquid biofuels from autotrophic microalgae: energetic and environmental performance. 2013 , 2, 73-85	12
1015	Proposal of a multi-objective optimisation of product life cycle costs and environmental impacts. 2013 , 6, 381	5
1014	Decision Making Tool in Life Cycle Assessment for Packaging Sustainability. 2013 ,	
1013	Sustainable analytical chemistry—more than just being green. 2013 , 85, 2217-2229	43
1012	Comprehensive Assessment on the Life-Cycle Environment Impact of Railway Construction Projects. 2013 , 361-363, 1467-1471	
1011	Life Cycle Costs and Life Cycle Assessment for the Harvesting, Conversion, and the Use of Switchgrass to Produce Electricity. 2013 , 2013, 1-16	4
1010	Techno Economic Evaluation of Biogas Integrated Parabolic Trough Solar Energy Combined Cycle. 2013 , 860-863, 22-31	
1009	Best management practices for forest bioenergy programs. 2013 , 2, 614-632	6
1008	Insights from guiding material development towards more sustainable products. 2013 , 2, 149	3
1007	Life Cycle Assessment and Sustainable Food Processing. 2013 , 63-92	
1006	Concept of Sustainable Packaging System and Its Development. 2013 , 337-362	
1005	Biofuels and Sustainable Transport: A Conceptual Discussion. <i>Sustainability</i> , 2013 , 5, 3129-3149	3.6 7
1004	Using a Specific Environmental Tool to Assess the Impacts of Biofuels Transport Policies. 2013 ,	1
1003	. 2013 ,	
1002	. 2013 ,	7
1001	Design of sustainable olive mill wastewaters ponds. 2014 , 60, 159-164	1

1000	Environmental impact assessment and end-of-life treatment policy analysis for Li-ion batteries and Ni-MH batteries. 2014 , 11, 3185-98	29
999	References. 233-272	
998	Energy-based life cycle assessment (Em-LCA) of multi-unit and single-family residential buildings in Canada. 2014 , 3, 207-224	43
997	Life Cycle Assessment of an Apartment Building: Comparison of an Attributional and Consequential Approach. 2014 , 62, 132-140	19
996	Assessing Resource Use and Environmental Impacts. 2014 , 61-79	
995	Computational energy estimation tools for machining operations during preliminary design. 2014 , 7, 130-143	4
994	The Life Cycle Assessment of a Polypropylene Product, Part A: Raw Materials, Manufacturing and Disposal Scenario. 2014 , 535, 515-518	1
993	Comparison of Different Construction Types for Public Buildings Applying the Analytic Hierarchy Process. 2014 , 875-877, 910-916	
992	Road-mapping the business potential of sustainability within the European manufacturing industry. 2014 , 16, 360-384	25
991	A Sensitivity Analysis Approach to Identify Key Environmental Performance Factors. 2014 , 2014, 1-9	1
990	Confronting Uncertainty in Life Cycle Assessment Used for Decision Support. 2014 , 18, 366-379	25
989	Greener pathways for energy-intensive commodity chemicals: opportunities and challenges. 2014 , 6, 90-98	8
988	Estimating the overall environmental impact of textile processing: life cycle assessment (LCA) of textile products. 2014 , 105-131	9
987	Development and implementation of a Product Life Cycle Optimization model. 2014 ,	3
986	Sustainability performance assessment of green roof systems using fuzzy-analytical hierarchy process (FAHP). 2014 , 5, 260-276	6
985	Techno-economics of integrating bioethanol production from spent sulfite liquor for reduction of greenhouse gas emissions from sulfite pulping mills. 2014 , 7, 169	12
984	Barriers to achieving green precast concrete stock management – a survey of current stock management practices in Singapore. 2014 , 14, 78-89	16
983	Extending Sustainable Practices Beyond Organizations to Supply Chains. 2014 , 71-90	

982	Towards Life Cycle Sustainability Assessment of Alternative Passenger Vehicles. <i>Sustainability</i> , 2014 , 6, 9305-9342	3.6	87
981	Test Systems for Life of LED Light Based on Junction Temperature. 2014 , 941-944, 584-587		
980	Comparison of Auxiliary Power Unit (APU) and Ground Power Unit (GPU) with Life Cycle Analysis in Ground Operations: A Case Study for Domestic Flight in Turkey. 2014 , 629, 219-224		2
979	Strawberry fields forever? Urban agriculture in developed countries: a review. 2014 , 34, 21-43		237
978	Environmental assessment of green concrete containing natural zeolite on the global warming index in marine environments. <i>Journal of Cleaner Production</i> , 2014 , 65, 418-423	10.3	80
977	Maximizing affluence within the planetary boundaries. 2014 , 19, 1331		21
976	Exergy as a global energy sustainability indicator. A review of the state of the art. 2014 , 33, 427-442		82
975	Environmental impact assessment of a WtE plant after structural upgrade measures. 2014 , 34, 753-62		21
974	Organic Farming, Prototype for Sustainable Agricultures. 2014 ,		12
973	Transitions of municipal solid waste management. Part II: Hybrid life cycle assessment of Swiss glass-packaging disposal. 2014 , 86, 16-27		22
972	Environmental impact assessment based on D numbers. 2014 , 41, 635-643		108
971	Reducing the environmental impact of concrete and asphalt: a scenario approach. <i>Journal of Cleaner Production</i> , 2014 , 66, 27-36	10.3	137
970	Input-output and life-cycle emissions accounting: applications in the real world. 2014 , 14, 372-396		12
969	A Framework for the Integration of Performance Based Design and Life Cycle Assessment to Design Sustainable Structures. 2014 , 17, 461-470		3
968	A multi-criteria analysis of climate, health and acidification impacts due to greenhouse gases and air pollution—the case of household-level heating technologies. 2014 , 74, 499-509		13
967	Transportation related carbon, energy and water footprint analysis of U.S. manufacturing: An eco-efficiency assessment. 2014 , 32, 143-159		64
966	Carbon footprinting of electronic products. 2014 , 136, 636-648		19
965	Environmentally Conscious Design of Upstream Crude Oil Supply Chain. 2014 , 53, 11501-11511		20

964	Methodological advancements in Life Cycle Process Design: A preliminary outlook. 2014 , 92, 66-77		13
963	Including exposure variability in the life cycle impact assessment of indoor chemical emissions: the case of metal degreasing. <i>Environment International</i> , 2014 , 71, 36-45	12.9	8
962	Environmental and economic assessment for the optimal configuration of a sustainable solid waste collection system: a kerbside case study. 2014 , 25, 737-761		25
961	A bibliometric investigation of life cycle assessment research in the web of science databases. 2014 , 19, 1674-1685		40
960	Embodied energy assessment for Macao's external trade. 2014 , 34, 642-653		48
959	Exergetic life cycle assessment of a grid-connected, polycrystalline silicon photovoltaic system. 2014 , 19, 1716-1732		9
958	Supply chain sustainability assessment of the U.S. food manufacturing sectors: A life cycle-based frontier approach. 2014 , 82, 8-20		115
957	Characterisation factors for life cycle impact assessment of sound emissions. 2014 , 468-469, 280-91		20
956	Sustainable supply chain optimisation: An industrial case study. 2014 , 74, 68-83		85
955	Design Management for Sustainability: An integrated approach for the development of sustainable products. 2014 , 34, 29-45		42
954	An accelerated Benders decomposition algorithm for sustainable supply chain network design under uncertainty: A case study of medical needle and syringe supply chain. 2014 , 67, 14-38		171
953	Life cycle assessment of wheat-maize rotation system emphasizing high crop yield and high resource use efficiency in Quzhou County. <i>Journal of Cleaner Production</i> , 2014 , 68, 56-63	10.3	53
952	Incorporation of high recyclability material selection in computer aided design. 2014 , 56, 740-749		5
951	Evaluating agricultural management practices to improve the environmental footprint of corn-derived ethanol. 2014 , 66, 454-460		24
950	Environmental profile of latent energy storage materials applied to industrial systems. 2014 , 473-474, 565-75		21
949	Variability of optimal solutions for building components based on comprehensive life cycle cost analysis. 2014 , 79, 223-231		40
948	Life Cycle Assessment for desalination: a review on methodology feasibility and reliability. 2014 , 61, 210-23		53
947	Sustainability accounting in action: Lights and shadows in the Italian context. 2014 , 46, 295-308		49

946	Life cycle assessment (LCA) for biofuels in Brazilian conditions: A meta-analysis. 2014 , 37, 435-459	99
945	Efficiency and life cycle environmental impacts of ion-exchange regeneration using sodium, potassium, chloride, and bicarbonate salts. 2014 , 254, 198-209	48
944	Methods to determine the relative value of genetic traits in dairy cows to reduce greenhouse gas emissions along the chain. 2014 , 97, 5191-205	21
943	Turning sustainability into action: Explaining firms' sustainability efforts and their impact on firm performance. 2014 , 147, 73-84	210
942	Holistic life cycle approach for lightweight automotive components. 2014 , 111, 137-146	2
941	Life cycle assessment of RFID implementation in the fresh food supply chain. 2014 , 6, 51-71	5
940	Environmental impacts of integrating wind energy systems and supplemental energy generation and storage systems. 2014 , 3, 186	
939	Methods for reducing buyer perceived risk related to the adoption of technological innovations. 2014 , 7, 71	7
938	REGIONAL AND SECTORAL DISAGGREGATION OF MULTI-REGIONAL INPUT/OUTPUT TABLES VIA FLEXIBLE ALGORITHM. 2015 , 27, 194-212	28
937	Methods for Measuring and Evaluating Sustainability: State-of-the Art, Challenges, and Future Developments. 2015 , 1-26	1
936	Environmental Impact Assessment During Product Development: A Functional Analysis Based Approach to Life Cycle Assessments. 2015 ,	1
935	Environmental Life Cycle Assessment (LCA) of Energy Systems. 2015 , 1-26	6
934	Mitigation measures to contain the environmental impact of urban areas: a bibliographic review moving from the life cycle approach. 2015 , 187, 745	7
933	Proposal of a model for life cycle optimization: Evidences from the LinkedDesign project. 2015 ,	
932	Case Study and Life Cycle Assessment of a Coastal Utility Facing Saltwater Intrusion. 2015 , 107, E543-E558	9
931	Probabilistic Pareto Decision Making Framework for Sustainable Packaging Life Cycle Assessment. 2015 ,	
930	Developing technology introduction strategies based on visualized scenario analysis: Application in energy systems design. 2015 , 34, 832-840	2
929	Identifying Stakeholders' Views on the Eco-efficiency Assessment of a Municipal Solid Waste Management System. 2015 , 19, 490-503	7

928	Sustainability and regions: sustainability assessment in regional perspective. 2015 , 7, 163-186	19
927	Towards a More Sustainable Building Stock: Optimizing a Flemish Dwelling Using a Life Cycle Approach. 2015 , 5, 424-448	14
926	Assessing Embodied Energy and Greenhouse Gas Emissions in Infrastructure Projects. 2015 , 5, 1156-1170	14
925	LCA of wool textiles and clothing. 2015 , 217-254	8
924	An Economic and Environmental Evaluation of the Em-Ferro Plastic Sorting Technology. 2015 , 7, 33-47	
923	. 2015 ,	50
922	Streamlined Life Cycle Assessment for Solid Waste Treatment Options. 2015 , 387-416	
921	Requirements for developing green services. 2015 , 35, 179-196	14
920	Design for life-cycle profit with simultaneous consideration of initial manufacturing and end-of-life remanufacturing. 2015 , 47, 18-35	30
919	Identifying and designing chemicals with minimal acute aquatic toxicity. 2015 , 112, 6289-94	55
918	Biofuels and biodiversity: Challenges and opportunities. 2015 , 15, 64-78	34
917	Combining Analytical Methods for Assessing Food Security across the Food Value Chain: A Conceptual Integrated Approach. 2015 , 44, 11-18	13
916	Carbon brainprint □An estimate of the intellectual contribution of research institutions to reducing greenhouse gas emissions. 2015 , 96, 74-81	5
915	The sustainability of a single activity, production process or product. 2015 , 57, 82-84	24
914	Life cycle assessment of post-consumer plastics production from waste electrical and electronic equipment (WEEE) treatment residues in a Central European plastics recycling plant. 2015 , 529, 158-67	91
913	Proposal of a Closed Loop Framework for the Improvement of Industrial Systems□Life Cycle Performances: Experiences from the LinkedDesign Project. 2015 , 29, 126-131	1
912	Green supply chain network optimization and the trade-off between environmental and economic objectives. 2015 , 170, 385-392	51
911	Biofuels as Alternate Fuel from Biomass□The Indian Scenario. 2015 , 287-313	1

910	Life-Cycle Assessment Comparison for Long-Span Cable and Truss Structural Systems: Case Study. 2015 , 21, 05014005		2
909	Carbon footprint of textile throughout its life cycle: a case study of Chinese cotton shirts. <i>Journal of Cleaner Production</i> , 2015 , 108, 464-475	10.3	26
908	Modelling and analysis of energy footprint of manufacturing systems. 2015 , 53, 7049-7059		22
907	Life Cycle Assessment of CRT, LCD and LED Monitors. 2015 , 29, 432-437		31
906	Integrated Supply Chain Model for Sustainable Manufacturing: A System Dynamics Approach. 2015 , 155-399		6
905	Simulation-based optimisation of the life cycle cost of industrial systems. 2015 , 8, 216		
904	Profile of Sustainability in Additive Manufacturing and Environmental Assessment of a Novel Stereolithography Process. 2015 ,		12
903	Application of Sustainability Assessment to a Novel Plastic Recycling Process. 2015 ,		1
902	Life-Cycle Assessment of Bio-Fuel Production Using Syngas from Biomass. 2015 , 279-297		
901	Energy consumption analysis of wheat production in West Azarbayjan utilizing life cycle assessment (LCA). 2015 , 74, 208-213		29
900	Life cycle assessment for dredged sediment placement strategies. 2015 , 511, 309-18		35
899	A simulation-based decision support for eco-efficiency improvements in production systems. <i>Journal of Cleaner Production</i> , 2015 , 105, 389-405	10.3	63
898	LCA based comparative study of a microbial oil production starch wastewater treatment plant and its improvements with the combination of CHP system in Shandong, China. 2015 , 96, 1-10		22
897	Life cycle assessment for the green procurement of roads: a way forward. <i>Journal of Cleaner Production</i> , 2015 , 90, 163-170	10.3	39
896	Towards a holistic sustainability index for measuring sustainability of manufacturing companies. 2015 , 53, 4117-4139		84
895	Mapping the scientific research on life cycle assessment: a bibliometric analysis. 2015 , 20, 541-555		81
894	A review of life cycle assessment method for building industry. 2015 , 45, 244-248		175
893	Economic analysis of renewable heat and electricity production by sewage sludge digestion case study. 2015 , 39, 234-243		11

892	Life cycle assessment (LCA) of alkali-activated cements and concretes. 2015 , 663-686		38
891	Can nanomaterials be a solution for application on alternative vehicles? [A review paper on life cycle assessment and risk analysis. 2015 , 40, 4969-4979		7
890	Comparison of second-generation processes for the conversion of sugarcane bagasse to liquid biofuels in terms of energy efficiency, pinch point analysis and Life Cycle Analysis. 2015 , 91, 292-301		55
889	Waste management of printed wiring boards: a life cycle assessment of the metals recycling chain from liberation through refining. 2015 , 49, 940-7		48
888	Probabilistic evaluation of integrating resource recovery into wastewater treatment to improve environmental sustainability. 2015 , 112, 1630-5		62
887	Life Cycle Assessment for highlighting environmental hotspots in Sicilian peach production systems. <i>Journal of Cleaner Production</i> , 2015 , 92, 109-120	10.3	70
886	The water footprint of industry. 2015 , 221-254		19
885	Overview of environmental footprints. 2015 , 131-193		23
884	Environmental impact assessment of aviation emission reduction through the implementation of composite materials. 2015 , 20, 233-243		96
883	Influences of use activities and waste management on environmental releases of engineered nanomaterials. 2015 , 535, 160-71		58
882	Evaluation of Rediset for use in warm-mix asphalt: a review of the literatures. 2015 , 16, 809-831		20
881	Metrics for biogeophysical climate forcings from land use and land cover changes and their inclusion in life cycle assessment: a critical review. 2015 , 49, 3291-303		33
880	Comparative environmental life cycle assessment of two seaweed cultivation systems in North West Europe with a focus on quantifying sea surface occupation. 2015 , 11, 173-183		37
879	An Analytic Network Process approach for the environmental aspect selection problem [A case study for a hand blender. 2015 , 54, 101-109		16
878	Data-intensive Life Cycle Assessment (DILCA) for Deteriorating Products. 2015 , 29, 396-401		7
877	Sustainable Design and Operation of a Reactive Distillation System Used for the Production of Cosmetic Ingredients. 2015 , 36, 85-107		1
876	Harmonizing the assessment of biodiversity effects from land and water use within LCA. 2015 , 49, 3584-92		45
875	Perovskite photovoltaics: life-cycle assessment of energy and environmental impacts. 2015 , 8, 1953-1968		355

874	Life cycle assessment of façade coating systems containing manufactured nanomaterials. 2015 , 17, 1	52
873	Towards a Conceptual Sustainable Packaging Development Model: A Corrugated Box Case Study. 2015 , 28, 397-413	22
872	Accounting for biodiversity in the dairy industry. 2015 , 155, 145-53	3
871	The sweet spot in sustainability: a framework for corporate assessment in sugar manufacturing. 2015 , 26, 1128-1144	34
870	Life Cycle Assessment in Nanotechnology, Materials and Manufacturing. 2015 , 775-804	
869	China's energy consumption in the building sector: A life cycle approach. 2015 , 94, 240-251	127
868	Development and application of a Combined Approach for Inherent Safety and Environmental (CAISEN) assessment. 2015 , 96, 138-148	9
867	The Economic Contributions of Nanotechnology to Green and Sustainable Growth. 2015 , 409-434	14
866	Tailoring performance evaluation to specific industrial contexts Application to sustainable mass customisation enterprises. 2015 , 53, 2439-2456	20
865	Green Processes for Nanotechnology. 2015 ,	18
864	Handbook of Bioenergy. 2015 ,	3
863	Refuse derived fuel (RDF) plasma torch gasification as a feasible route to produce low environmental impact syngas for the cement industry. 2015 , 33, 715-22	7
862	Attributional life cycle assessment: is a land-use baseline necessary?. 2015 , 20, 1364-1375	49
861	Predictive usage mining for life cycle assessment. 2015 , 38, 125-143	8
860	Linking national food production to global supply chain impacts for the energy-climate challenge: the cases of the EU-27 and Turkey. <i>Journal of Cleaner Production</i> , 2015 , 108, 395-408	10.3 44
859	New Life of the Building Materials- Recycle, Reuse and Recovery. 2015 , 75, 2884-2891	30
858	Lessons from the use of a long-term energy model for consequential life cycle assessment: The BTL case. 2015 , 43, 942-960	43
857	Environmental assessment of domestic solar hot water systems: a case study in residential and hotel buildings. <i>Journal of Cleaner Production</i> , 2015 , 88, 29-42	10.3 38

856	Biorefining in the prevailing energy and materials crisis: a review of sustainable pathways for biorefinery value chains and sustainability assessment methodologies. 2015 , 43, 244-263		180
855	Mechanical properties, durability, and life-cycle assessment of self-consolidating concrete mixtures made with blended portland cements containing fly ash and limestone powder. 2015 , 56, 59-72		223
854	The impact of the Chinese automotive industry: scenarios based on the national environmental goals. <i>Journal of Cleaner Production</i> , 2015 , 96, 102-109	10.3	37
853	Life cycle assessment as a tool to support decision making in the biopharmaceutical industry: Considerations and challenges. 2015 , 94, 297-305		17
852	Environmental analysis for identifying challenges to recover used reinforced refractories in industrial furnaces. <i>Journal of Cleaner Production</i> , 2015 , 88, 242-253	10.3	17
851	Assessing the environmental impact of data centres part 2: Building environmental assessment methods and life cycle assessment. 2015 , 93, 395-405		25
850	ICT Innovations for Sustainability. 2015 ,		36
849	Cost Analysis and Life-Cycle Environmental Impacts of Three Value-Added Novel Bioproducts: Processing and Production. 2015 , 24, 65-84		1
848	A life cycle comparison of greenhouse emissions for power generation from coal mining and underground coal gasification. 2016 , 21, 515-546		17
847	Interoperability betweenecoinvent ver. 3 and US LCI database: a case study. 2016 , 21, 1290-1298		19
846	. 2016 ,		7
845	Energy efficiency and environmental impact of solar heating and cooling systems. 2016 , 43-59		
844	Technoeconomic Analysis and Life Cycle Assessment of Bioenergy Systems. 2016 , 189-247		13
843	Estimating Water Footprints of Vegetable Crops: Influence of Growing Season, Solar Radiation Data and Functional Unit. 2016 , 8, 473		9
842	Life cycle assessment of lithium-air battery cells. <i>Journal of Cleaner Production</i> , 2016 , 135, 299-311	10.3	47
841	Entwicklungsbegleitende Bilanzierung von Recyclingprozessen. 2016 , 88, 409-416		1
840	How Circular Is the Global Economy? A Sociometabolic Analysis. 2016 , 259-275		9
839	Enhancing environmental management in the textile sector: An Organisational-Life Cycle Assessment approach. <i>Journal of Cleaner Production</i> , 2016 , 135, 620-632	10.3	53

838	Mechanistic, Environmental, and Economic Analysis of WMA Technologies in Louisiana. 2016,		
837	Current status and framework of China's inland passenger ship safety system. 2016,		
836	Modeling the Time-Varying Advantages of a Remanufactured Product: Is Reman Better Than Brand New? 2016, 138,		6
835	Polymers with autonomous life-cycle control. 2016, 540, 363-370		215
834	Introducing a new perspective for the economic evaluation of industrial energy efficiency technologies: An empirical analysis in Italy. 2016, 15, 1-10		23
833	Energy and environmental analysis of domestic solar hot water system in Asian developing country context Thailand. 2016, 35, 271-283		3
832	Life Cycle Algal Biorefinery Design. 2016, 363-381		
831	Personal Metabolism (PM) coupled with Life Cycle Assessment (LCA) model: Danish Case Study. <i>Environment International</i> , 2016, 91, 168-79	12.9	26
830	An approach for steering products and services offering variety towards economic and environmental sustainability. 2016, 15, 65-73		5
829	Integrating resource efficiency in business strategies: a mixed-method approach for environmental life cycle assessment in the single-serve coffee value chain. <i>Journal of Cleaner Production</i> , 2016, 115, 62-74	10.3	17
828	Life cycle carbon emissions assessment using an eco-demonstrator aircraft: the case of an ecological wing design. <i>Journal of Cleaner Production</i> , 2016, 124, 246-257	10.3	11
827	Perceptions on LCA implementation: evidence from a survey on adopters and nonadopters in Italy. 2016, 21, 1501-1513		25
826	Oil-palm by-products as lightweight aggregate in concrete mixture: a review. <i>Journal of Cleaner Production</i> , 2016, 126, 56-73	10.3	71
825	Methodological issues in life cycle assessment for remanufactured products: a critical review of existing studies and an illustrative case study. <i>Journal of Cleaner Production</i> , 2016, 126, 21-37	10.3	39
824	Assessing and Enhancing Environmental Sustainability: A Conceptual Review. 2016, 50, 6830-45		46
823	A fuzzy multi-objective optimization model for sustainable reverse logistics network design. 2016, 67, 753-768		114
822	Review of ecodesign methods and tools. Barriers and strategies for an effective implementation in industrial companies. <i>Journal of Cleaner Production</i> , 2016, 129, 361-373	10.3	154
821	Life cycle assessment of the present and proposed food waste management technologies from environmental and economic impact perspectives. <i>Journal of Cleaner Production</i> , 2016, 131, 607-614	10.3	104

820	Comparative life cycle assessment of fossil and bio-based polyethylene terephthalate (PET) bottles. <i>Journal of Cleaner Production</i> , 2016 , 137, 667-676	10.3	94
819	Life cycle assessment (LCA) applied to the manufacturing of common and ecological concrete: A review. 2016 , 124, 656-666		100
818	A bibliometric review on natural resource accounting during 1995-2014. <i>Journal of Cleaner Production</i> , 2016 , 139, 122-132	10.3	80
817	Optimal product design for life cycle assessment (LCA) with the case study of universal motors. 2016 , 17, 1229-1235		9
816	LCA for Decision-Making in Solid Waste Management. 2016 , 693-711		
815	Economic-energy-environment analysis of prospective sugarcane bioethanol production in Brazil. 2016 , 181, 514-526		36
814	Life-cycle and cost of goods assessment of fed-batch and perfusion-based manufacturing processes for mAbs. 2016 , 32, 1324-1335		49
813	Technical, Economic, and Greenhouse Gas Reduction Potential of Combined Ethanol Fermentation and Biofuel Gasification-Synthesis at Sulphite Pulping Mills. 2016 , 30, 7387-7399		6
812	Assessing the environmental sustainability of early stage design for bioprocesses under uncertainties: An analysis of glycerol bioconversion. <i>Journal of Cleaner Production</i> , 2016 , 139, 1245-1260 ^{10.3}	10.3	26
811	Review of Resources Accounting Methods. 2016 , 9-41		
810	Life cycle sustainability of solid oxide fuel cells: From methodological aspects to system implications. 2016 , 325, 772-785		36
809	Environmental impact assessment of composite small craft manufacturing using the generic work breakdown structure. 2016 , 3, 261-272		9
808	Bibliography. 2016 , 555-564		
807	Life cycle assessment as a tool to integrate environmental indicators in food products: a chocolate LCA case study. 2016 , 8, 21		12
806	Critical Research Needed to Examine the Environmental Impacts of Expanded Refrigeration on the Food System. 2016 , 50, 12060-12071		22
805	Greenhouse gas abatement from sugarcane bioenergy, biofuels, and biomaterials. 2016 , 333-362		
804	Potential Life Cycle Carbon Savings for Immersion Freezing of Water by Power Ultrasound. 2016 , 9, 69-80		7
803	Sustainability assessment approaches for intelligent transport systems: the state of the art. 2016 , 10, 287-297		11

802	A closed-loop life cycle assessment of recycled aggregate concrete utilization in China. 2016 , 56, 367-75		123
801	Environmental Generation of Cold Air for Machining. 2016 , 40, 648-652		8
800	An Estimation of the Evolution of Waste Generated by Direct and Indirect Suppliers of the Spanish Paper Industry. 2016 , 7, 635-644		2
799	Recovery of metal sulphates and hydrochloric acid from spent pickling liquors. <i>Journal of Cleaner Production</i> , 2016 , 129, 417-426	10.3	28
798	Spatial and temporal variations of marginal electricity generation: the case of the Finnish, Nordic, and European energy systems up to 2030. <i>Journal of Cleaner Production</i> , 2016 , 126, 515-525	10.3	32
797	Sustainable value propositions: Framework and implications for technology suppliers. 2016 , 59, 144-156		63
796	A framework to reduce product environmental impact through design optimization for additive manufacturing. <i>Journal of Cleaner Production</i> , 2016 , 137, 1560-1572	10.3	103
795	The triple layered business model canvas: A tool to design more sustainable business models. <i>Journal of Cleaner Production</i> , 2016 , 135, 1474-1486	10.3	478
794	The environmental footprint of a membrane bioreactor treatment process through Life Cycle Analysis. 2016 , 568, 306-318		55
793	Integrating expert weighting and multi-criteria decision making into eco-efficiency analysis: the case of US manufacturing. 2016 , 67, 616-628		24
792	Life cycle assessment of molten carbonate fuel cells: State of the art and strategies for the future. 2016 , 308, 97-108		35
791	Life cycle assessment (LCA) [From analysing methodology development to introducing an LCA framework for marine photovoltaic (PV) systems. 2016 , 59, 352-378		53
790	Sustainability assessment using fuzzy-inference technique (SAFT): A methodology toward green products. 2016 , 56, 69-79		44
789	Analysis of the environmental performance of life-cycle building waste management strategies in tertiary buildings. <i>Journal of Cleaner Production</i> , 2016 , 130, 143-154	10.3	18
788	End-user centred infrastructure operation: towards integrated end-use service delivery. <i>Journal of Cleaner Production</i> , 2016 , 132, 229-239	10.3	21
787	Environmental analysis of different packaging waste collection systems for Istanbul [Turkey case study. 2016 , 107, 27-37		25
786	Challenges when evaluating Product/Service-Systems through Life Cycle Assessment. <i>Journal of Cleaner Production</i> , 2016 , 120, 95-104	10.3	83
785	Lifecycle Environmental Performance of Natural-Hazard Mitigation for Buildings. 2016 , 30, 04015042		23

784	Analysis of opportunities for greenhouse emission reduction in the global supply chains of cashew industry in West Africa. <i>Journal of Cleaner Production</i> , 2016 , 115, 149-161	10.3	15
783	A framework for energy reduction in manufacturing process chains (E-MPC) and a case study from the Turkish household appliance industry. <i>Journal of Cleaner Production</i> , 2016 , 112, 3342-3360	10.3	17
782	Environmental impacts of the national renewable energy targets [A case study from Finland. 2016 , 59, 1599-1610		37
781	Environmental life cycle analysis of a water pumping and desalination process powered by intermittent renewable energy sources. 2016 , 59, 1504-1513		23
780	Recycling [The importance of understanding the complexity of the issue. 2016 , 9, 93-106		5
779	Life Cycle Assessment and Environmental Sustainability in the Food System. 2016 , 8, 317-323		11
778	Integrated Rice-Fish Farming System in Bangladesh: An Ex-ante Value Chain Evaluation Framework. 2016 , 289-322		2
777	A web-based Toolbox to support the systemic eco-efficiency assessment in water use systems. <i>Journal of Cleaner Production</i> , 2016 , 138, 181-194	10.3	15
776	Eco-efficiency of agricultural water systems: Methodological approach and assessment at meso-level scale. 2016 , 165, 62-71		21
775	A comparative Life Cycle Assessment of external wall-compositions for cleaner construction solutions in buildings. <i>Journal of Cleaner Production</i> , 2016 , 124, 283-298	10.3	60
774	Proposal of a toolset for the improvement of industrial systems [lifecycle sustainability through the utilization of ICT technologies. 2016 , 81, 47-54		15
773	A critique on the water-scarcity weighted water footprint in LCA. 2016 , 66, 564-573		155
772	Proactive environmental strategies and performance: role of green supply chain processes and green product design in the Chinese high-tech industry. 2016 , 54, 2136-2151		79
771	Emergy and end-point impact assessment of agricultural and food production in the United States: A supply chain-linked Ecologically-based Life Cycle Assessment. 2016 , 62, 117-137		59
770	Eco-efficiency analysis of sludge treatment scenarios in urban cities: the case of Hong Kong. <i>Journal of Cleaner Production</i> , 2016 , 112, 3028-3039	10.3	17
769	A multivariable regression tool for embodied carbon footprint prediction in housing habitat. 2016 , 53, 292-300		21
768	Life Cycle Assessment of Catechols from Lignin Depolymerization. 2016 , 4, 708-718		45
767	Towards the Incorporation of Environmental Impacts into Pavement Management Systems. 2016 , 36, 361-382		1

766	Comparative Carbon Footprint Assessment of commercial walk-in refrigeration systems under different use configurations. <i>Journal of Cleaner Production</i> , 2016 , 112, 3998-4011	10.3	36
765	Evaluation of the steel slag incorporation as coarse aggregate for road construction: technical requirements and environmental impact assessment. <i>Journal of Cleaner Production</i> , 2016 , 130, 175-186	10.3	92
764	Action research to support development of engineering for sustainable development degree programs, part I: collaborative community action research vignettes. <i>Journal of Cleaner Production</i> , 2016 , 122, 164-175	10.3	8
763	Combined application of multi-criteria optimization and life-cycle sustainability assessment for optimal distribution of alternative passenger cars in U.S.. <i>Journal of Cleaner Production</i> , 2016 , 112, 291-307	10.3	79
762	Developing eco-innovations: a three-stage typology of supply networks. <i>Journal of Cleaner Production</i> , 2016 , 112, 1948-1959	10.3	77
761	Environmental and economic hybrid life cycle assessment of bagasse-derived ethanol produced in Brazil. 2017 , 22, 317-327		16
760	Process-oriented Life Cycle Assessment framework for environmentally conscious manufacturing. 2017 , 28, 1481-1499		9
759	Models for closed-loop supply chain with trade-ins. 2017 , 66, 308-326		77
758	Methods to simplify diet and food life cycle inventories: Accuracy versus data-collection resources. <i>Journal of Cleaner Production</i> , 2017 , 140, 410-420	10.3	31
757	Comparing linear and circular supply chains: A case study from the construction industry. 2017 , 183, 443-457		181
756	Sustainability evaluation framework for building cooling systems: a comparative study of snow storage and conventional chiller systems. 2017 , 19, 137-155		15
755	Material selection for environmental responsibility: the case of soft drinks packaging in Brazil. <i>Journal of Cleaner Production</i> , 2017 , 142, 173-179	10.3	24
754	Steel-versus-Concrete Debate Revisited: Global Warming Potential and Embodied Energy Analyses based on Attributional and Consequential Life Cycle Perspectives. 2017 , 21, 82-100		18
753	Implementing farm-level environmental sustainability in environmental performance indicators: A combined global-local approach. <i>Journal of Cleaner Production</i> , 2017 , 140, 692-704	10.3	30
752	Modeling of energy consumption and environmental life cycle assessment for incineration and landfill systems of municipal solid waste management - A case study in Tehran Metropolis of Iran. <i>Journal of Cleaner Production</i> , 2017 , 148, 427-440	10.3	214
751	Environmental Release of and Exposure to Iron Oxide and Silver Nanoparticles. 2017 ,		2
750	Application of Life Cycle Assessment on Electronic Waste Management: A Review. 2017 , 59, 693-707		29
749	Environmental life cycle assessment and techno-economic analysis of triboelectric nanogenerators. 2017 , 10, 653-671		90

748	Distributed mixed-integer fuzzy hierarchical programming for municipal solid waste management. Part I: System identification and methodology development. 2017 , 24, 7236-7252	12
747	State of the art on the development of cool coatings for buildings and cities. 2017 , 144, 660-680	127
746	Biodegradation of insensitive munition formulations IMX101 and IMX104 in surface soils. 2017 , 44, 987-995	10
745	Life cycle assessment of solar-driven oxidation as a polishing step of secondary-treated urban effluents. 2017 , 92, 1315-1327	25
744	Environmental benefits of renewable building materials: A case study in Taiwan. 2017 , 140, 236-244	6
743	The absolute environmental performance of buildings. 2017 , 119, 87-98	41
742	Sustainable Life Cycle Design Using Constraint Satisfaction Problems and Quality Function Deployment. 2017 , 61, 75-80	9
741	Proceedings of 5th International Conference on Advanced Manufacturing Engineering and Technologies. 2017 ,	3
740	From green buildings to green supply chains. 2017 , 28, 532-548	29
739	Comprehensive investigation of transport refrigeration life cycle climate performance. 2017 , 21, 33-49	24
738	Industrial Product Life Cycle Stages and Lifecycle Eco-design. 2017 , 365-374	2
737	Carbon footprint stock analysis of US manufacturing: a time series input-output LCA. 2017 , 117, 853-872	5
736	A review of fleet-based life-cycle approaches focusing on energy and environmental impacts of vehicles. 2017 , 79, 935-945	27
735	Environmental assessment of a nano-technological aerogel-based panel for building insulation. <i>Journal of Cleaner Production</i> , 2017 , 161, 1404-1415	10.3 32
734	Derivation of health effect factors for nanoparticles to be used in LCIA. 2017 , 7, 41-53	14
733	Towards true product sustainability. <i>Journal of Cleaner Production</i> , 2017 , 162, 346-360	10.3 65
732	From waste plastics to industrial raw materials: A life cycle assessment of mechanical plastic recycling practice based on a real-world case study. 2017 , 601-602, 1192-1207	178
731	Environmental and economic impacts of using co-products in the diets of finishing pigs in Brazil. <i>Journal of Cleaner Production</i> , 2017 , 162, 247-259	10.3 22

730	Smog induces oxidative stress and microbiota disruption. 2017 , 25, 235-244		20
729	Prospects for pyrolysis technologies in the bioenergy sector: A review. 2017 , 77, 59-69		185
728	Modelling end of life phase of the complex products: the case of end of life aircraft This paper is an extension of work originally reported in Proceedings of 8th IFAC Conference on Manufacturing Modelling, Management and Control MIM 2016 Troyes, France, 28-30 June 2016 cited as Keivanpour, S., & Kadi, D. A. (2016). An integrated approach to analysis and modelling of End of Life Evolutionary multi-objective optimization of environmental indicators of integrated crude oil supply chain under uncertainty. <i>Journal of Cleaner Production</i> , 2017 , 152, 295-311		11
727	Evolutionary multi-objective optimization of environmental indicators of integrated crude oil supply chain under uncertainty. <i>Journal of Cleaner Production</i> , 2017 , 152, 295-311	10.3	45
726	Uncertainty analysis in agent-based modelling and consequential life cycle assessment coupled models: A critical review. <i>Journal of Cleaner Production</i> , 2017 , 156, 378-394	10.3	32
725	End-of-life modelling in life cycle assessment: material or product-centred perspective?. 2017 , 22, 1288-1301		14
724	Beyond carbon and energy: The challenge in setting guidelines for life cycle assessment of biofuel systems. 2017 , 105, 436-448		34
723	Resource Use Assessment of Shrimp, <i>Litopenaeus vannamei</i> and <i>Penaeus monodon</i> , Production in Thailand and Vietnam. 2017 , 48, 201-226		40
722	Environmental sustainability of agri-food supply chains in Italy: The case of the whole-peeled tomato production under life cycle assessment methodology. 2017 , 200, 1-12		32
721	Environmental life cycle assessments of producing maize, grass-clover, ryegrass and winter wheat straw for biorefinery. <i>Journal of Cleaner Production</i> , 2017 , 142, 3859-3871	10.3	33
720	Supply chain carbon footprinting and responsibility allocation under emission regulations. 2017 , 188, 255-267		35
719	Consequences of Future Data Center Deployment in Canada on Electricity Generation and Environmental Impacts: A 2015-2030 Prospective Study. 2017 , 21, 1312-1322		9
718	Life-Cycle Assessment of Metal Recovery from Electronic Waste. 2017 , 1-23		1
717	Environmental impact of oak barrels production in Qualified Designation of Origin of Rioja. <i>Journal of Cleaner Production</i> , 2017 , 167, 208-217	10.3	3
716	Evaluation of the environmental impacts of rice paddy production using life cycle assessment: case study in Bangladesh. 2017 , 3, 1691-1705		24
715	Where to implement local biotech innovations? A framework for multi-scale socio-economic and environmental impact assessment of Green Bio-Refineries. 2017 , 68, 141-151		11
714	Analysis of standard and innovative methods for allocating upstream and refinery GHG emissions to oil products. 2017 , 206, 372-381		32
713	Green chemistry: Analytical and chromatography. 2017 , 40, 839-852		33

712	Application of exergy-based approach for implementing design for reuse: The case of microwave oven. <i>Journal of Cleaner Production</i> , 2017 , 168, 876-892	10.3	17
711	Environmental performance of social housing in emerging economies: life cycle assessment of conventional and alternative construction methods in the Philippines. 2017 , 22, 1785-1801		11
710	Life cycle assessment of thermal energy production from short-rotation willow biomass in Southern Ontario, Canada. 2017 , 204, 343-352		35
709	Global supply chain network design and Asian analysis with material-based carbon emissions and tax. 2017 , 113, 779-792		24
708	University Campus Solid Waste Management. 2017 ,		2
707	Solid Waste - Management Models. 2017 , 17-27		1
706	Design and Manufacturing of Sustainable Composites. 2017 , 533-601		
705	The Low Carbon Economy. 2017 ,		
704	Transition to a Low-Carbon Economy: An SME Perspective. 2017 , 87-115		1
703	Regional water coefficients for U.S. industrial sectors. 2017 , 18, 60-70		2
702	Life cycle net energy and greenhouse gas emissions of photosynthetic cyanobacterial biorefineries: Challenges for industrial production of biofuels. 2017 , 26, 445-452		19
701	Towards Knowledge Management for Smart Manufacturing. 2017 , 17,		42
700	Environmental impact comparison of a ventilated and a non-ventilated building-integrated photovoltaic rooftop design in the Netherlands: Electricity output, energy payback time, and land claim. 2017 , 155, 304-313		10
699	Environmental life-cycle assessment. 2017 , 16, 693-697		57
698	Renewable energy, bioenergy. 2017 , 17, 42-47		13
697	Water Footprint Assessment in Supply Chains. 2017 , 65-85		5
696	Green profit maximization through integrated pricing and production planning for a line of new and remanufactured products. <i>Journal of Cleaner Production</i> , 2017 , 142, 3454-3470	10.3	46
695	The sustainable future of hydropower: A critical analysis of cooling units via the Theory of Inventive Problem Solving and Life Cycle Assessment methods. <i>Journal of Cleaner Production</i> , 2017 , 142, 2446-2455	10.3	10

694	Development of the life cycle inventory of masonry mortar made of natural and recycled aggregates. <i>Journal of Cleaner Production</i> , 2017 , 140, 1272-1286	10.3	27
693	Greenhouse gas emissions of small scale ornamental plant production in Austria - A case study. <i>Journal of Cleaner Production</i> , 2017 , 141, 1123-1133	10.3	12
692	Introducing a localised spatio-temporal LCI method with wheat production as exploratory case study. <i>Journal of Cleaner Production</i> , 2017 , 140, 492-501	10.3	19
691	Life Cycle Assessment of Greenhouse Gas Emissions. 2017 , 61-91		1
690	Can carbon footprint serve as proxy of the environmental burden from urban consumption patterns?. 2017 , 74, 109-118		23
689	Environmental assessment of earth retaining wall structures. 2017 , 4, 415-431		26
688	A life-cycle-based review of sulfur dioxide abatement installations in the South African platinum group metal sector. 2017 , 12, 769-784		2
687	Sustainable Logistics Network Design Under Uncertainty. 2017 , 115-151		1
686	Systematically finding opportunities for product reuse the case of PET bottles. 2017 ,		1
685	. 2017 ,		3
684	Bridging the gap between observational oceanography and users. 2017 , 13, 161-173		5
683	Life-cycle assessment of denim. 2017 , 83-110		17
682	Coal Bottom Ash as Sustainable Material in Concrete ? A Review. 2017 , 10, 1-10		11
681	Environmental Collaboration for Sustainability in the Construction Industry: An Exploratory Study in Italy. <i>Sustainability</i> , 2017 , 9, 125	3.6	34
680	A Parameter Selection Framework for Sustainability Assessment. <i>Sustainability</i> , 2017 , 9, 1497	3.6	15
679	Life Cycle Analysis of Energy Production from Food Waste through Anaerobic Digestion, Pyrolysis and Integrated Energy System. <i>Sustainability</i> , 2017 , 9, 1804	3.6	35
678	Avaliaço do Ciclo de Vida na bovinocultura leiteira e as oportunidades ao Brasil. 2017 , 22, 221-237		5
677	Sustainability and life assessment of high strength natural fibre composites in construction. 2017 , 529-544		15

676	A new approach to semantic sustainability assessment: text mining via network analysis revealing transition patterns in German municipal climate action plans. 2017 , 7,		6
675	Needs and challenges for assessing the environmental impacts of engineered nanomaterials (ENMs). 2017 , 8, 989-1014		26
674	Denim and consumers' phase of life cycle. 2017 , 257-282		17
673	Life Cycle Inventory: An In-Depth Look at the Modeling, Data, and Available Tools. 2017 , 267-275		1
672	Life Cycle Assessment of China's agroecosystems. 2018 , 88, 341-350		24
671	Claiming Sustainability: Requirements and Challenges. 2018 , 6, 3632-3639		24
670	Sustainability Over Sets. 2018 , 37, 1093-1100		5
669	Life cycle assessment to evaluate the environmental performance of new construction material from stainless steel slag. 2018 , 23, 2091-2109		25
668	Understanding urban water performance at the city-region scale using an urban water metabolism evaluation framework. 2018 , 137, 395-406		22
667	A critical review of the life cycle assessment studies on solid waste management in Asian countries. <i>Journal of Cleaner Production</i> , 2018 , 185, 492-515	10.3	61
666	Development of natural fiber-reinforced composite with comparable mechanical properties and reduced energy consumption and environmental impacts for replacing automotive glass-fiber sheet molding compound. <i>Journal of Cleaner Production</i> , 2018 , 184, 92-100	10.3	100
665	Integration between Green Quality Function Deployment, Modularity Concept and Life Cycle Assessment Toward Sustainable Product Design. 2018 , 159, 02070		
664	Customised life cycle assessment tool for sugarcane (CaneLCA) development in the evaluation of alternative agricultural practices. 2018 , 23, 2150-2164		9
663	Biosynthetic Technology and Environmental Challenges. 2018 ,		7
662	The Environmental Knowledge Cascade. 2018 , 25-41		1
661	Behind the Scenes of Clean Energy: The Environmental Footprint of Rare Earth Products. 2018 , 6, 3311-3320		50
660	Life cycle assessment of road construction alternative materials: A literature review. 2018 , 132, 37-48		93
659	Life-Cycle Assessment of Construction Materials: Analysis of Environmental Impacts and Recommendations of Eco-Efficient Management Practices. 2018 , 1-37		

658	Life cycle assessment of manufactured nanomaterials: Where are we?. 2018 , 10, 108-120		96
657	Modeling Net Land Occupation of Hydropower Reservoirs in Norway for Use in Life Cycle Assessment. 2018 , 52, 2375-2384		15
656	Energy modeling and data structure framework for Sustainable Human-Building Ecosystems (SHBE)  review. 2018 , 12, 314-332		7
655	The exploration of the life-cycle energy saving potential for using prefabrication in residential buildings in China. 2018 , 166, 561-570		39
654	A life cycle assessment data analysis toolkit for the design of novel processes  A case study for a thermal cracking process for mixed plastic waste. <i>Journal of Cleaner Production</i> , 2018 , 180, 735-747	10.3	35
653	Hierarchical life-cycle design of reinforced concrete structures incorporating durability, economic efficiency and green objectives. 2018 , 157, 119-131		32
652	Effectiveness criteria for customised agricultural life cycle assessment tools. <i>Journal of Cleaner Production</i> , 2018 , 179, 246-254	10.3	15
651	Sustainability Evaluation of Alternative Routes for Fine Chemicals Production in an Early Stage of Process Design Adopting Process Simulation along with Data Envelopment Analysis. 2018 , 57, 7946-7960		14
650	Estimating Missing Unit Process Data in Life Cycle Assessment Using a Similarity-Based Approach. 2018 , 52, 5259-5267		24
649	Life cycle assessment and environmental profile evaluations of high volumetric efficiency capacitors. 2018 , 220, 496-513		17
648	Occurrence of Single- and Double-Peaked Emission Profiles of Synthetic Chemicals. 2018 , 52, 4684-4693		10
647	Life-cycle cost-benefit analysis on sustainable food waste management: The case of Hong Kong International Airport. <i>Journal of Cleaner Production</i> , 2018 , 187, 751-762	10.3	44
646	Life cycle assessment of integrated solid state anaerobic digestion and composting for on-farm organic residues treatment. 2018 , 76, 294-305		36
645	A spatially-resolved inventory analysis of the water consumed by the coal-to-gas transition of Pennsylvania. <i>Journal of Cleaner Production</i> , 2018 , 184, 366-374	10.3	10
644	Southeastern United States wood pellets as a global energy resource: a cradle-to-gate life cycle assessment derived from empirical data. 2018 , 37, 134-146		6
643	Environmental impact of municipal solid waste management using Life Cycle Assessment: The effect of anaerobic digestion, materials recovery and secondary fuels production. 2018 , 124, 180-188		89
642	Life cycle assessment of the use of alternative fuels in cement kilns: A case study. 2018 , 216, 224-234		53
641	How Multi-Criteria Decision Analysis (MCDA) is aiding Life Cycle Assessment (LCA) in results interpretation. <i>Journal of Cleaner Production</i> , 2018 , 172, 609-622	10.3	73

640	New and updated life cycle inventories for surfactants used in European detergents: summary of the ERASM surfactant life cycle and ecofootprinting project. 2018 , 23, 867-886		15
639	Vanillin derived from lignin liquefaction: a sustainability evaluation. 2018 , 23, 1761-1772		8
638	Life Cycle Assessment and Ecosystem Services of Agromining. 2018 , 53-73		2
637	Comparative study for environmental performances of traditional manufacturing and directed energy deposition processes. 2018 , 15, 2273-2282		25
636	Environmental impact assessment of a ceramic tile supply chain – a case study. 2018 , 11, 211-216		10
635	Evaluation of the environmental and human health impact of road construction activities. <i>Journal of Cleaner Production</i> , 2018 , 172, 1004-1013	10.3	26
634	Estimating the environmental costs and benefits of demolition waste using life cycle assessment and willingness-to-pay: A case study in Shenzhen. <i>Journal of Cleaner Production</i> , 2018 , 172, 14-26	10.3	74
633	Life-cycle economic and environmental assessment of warm stone mastic asphalt. 2018 , 14, 562-575		8
632	Analysis of the influence of using recycled polystyrene as a substitute for bitumen in the behaviour of asphalt concrete mixtures.. <i>Journal of Cleaner Production</i> , 2018 , 170, 1279-1287	10.3	56
631	Application of Markov chain for LCA: a study on the clothes reuse in Nordic countries. 2018 , 94, 191-201		11
630	Environmental Assessment of Biorefineries. 2018 , 377-401		5
629	Comparative life cycle assessment (LCA) of bio-modified binder and conventional asphalt binder. 2018 , 20, 191-200		20
628	Milk protein production by a more environmentally sustainable process: bipolar membrane electro dialysis coupled with ultrafiltration. 2018 , 20, 449-456		28
627	Consideration of strength and service life in cradle-to-gate life cycle assessment of self-compacting concrete in a maritime area: a study in the Brazilian context. 2018 , 20, 1849-1871		5
626	A parametric environmental life cycle assessment of newspaper making in Spain. 2018 , 23, 1240-1260		3
625	Improved life cycle assessment of recycling organic wastes for practice. <i>Journal of Cleaner Production</i> , 2018 , 195, 1558-1571	10.3	7
624	Life Cycle Impact Assessment of Miscanthus Crop for Sustainable Household Heating in Serbia. 2018 , 9, 654		7
623	Environmental Impact Associated with the Supply Chain and Production of Grinding and Roasting Coffee through Life Cycle Analysis. <i>Sustainability</i> , 2018 , 10, 4598	3.6	8

622	Interrelation of Lean and Green Management in Croatian Manufacturing Companies. 2018 , 16, 21-39	7
621	A comparative study on grid resource utilization rate between China Southern Power Grid and National Grid Plc of UK. 2018 , 3,	5
620	The strategic role of Life Cycle Assessment in the problem of material criticality and in development of Chromium-free substitute for stainless steel. 2018 , 188, 02008	
619	A Framework for Determining the Life Time Energy Consumption of a Product at the Concept Design Stage. 2018 , 69, 704-709	7
618	Lessons Learned from Life Cycle Assessment and Life Cycle Costing of Two Residential Towers at the University of British Columbia. 2018 , 69, 172-177	15
617	Data Driven Quantification of the Temporal Scope of Building LCAs. 2018 , 69, 224-229	10
616	A customer-oriented model of product-service system lifecycle. 2018 , 11, 350	
615	Solid Waste Management Models: Literature Review. 2018 ,	0
614	Assessing the Impact of Product Use Variation on Environmental Sustainability. 2018 ,	
613	Assessing Energy and Environmental Efficiency of the Spanish Agri-Food System Using the LCA/DEA Methodology. 2018 , 11, 3395	26
612	Recent Developments in Life Cycle Assessment and Service Life Prediction: A Review. 2018 ,	2
611	Urbanization Challenges in Emerging Economies. 2018 ,	
610	Privacy-Preserving Certification of Sustainability Metrics. 2018 ,	
609	Linking energy scenarios and waste storylines for prospective environmental assessment of waste management systems. 2018 , 81, 11-21	10
608	Advances in Finance & Applied Economics. 2018 ,	
607	Policy Interventions for Sustainable Solid Waste Management in Developing Countries. 2018 , 73-89	
606	Advances in Green Energy Systems and Smart Grid. 2018 ,	1
605	Integrated impact assessment of biomass conversion systems with the method of life cycle assessment. A comprehensive review. 2018 , 4, 123	1

604	Life cycle environmental impacts and carbon emissions: A case study of electric and gasoline vehicles in China. 2018 , 65, 409-420	59
603	Life Cycle Assessment of the Environmental Impact of Biosurfactant Production from Oil Waste by a Diculture of <i>Azotobacter vinelandii</i> and <i>Pseudomonas</i> sp.. 2018 , 09,	2
602	Environmental costs and mitigation potential in plastic-greenhouse pepper production system in China: A life cycle assessment. 2018 , 167, 186-194	20
601	Safety Assessment of Graphene-Based Materials: Focus on Human Health and the Environment. 2018 , 12, 10582-10620	292
600	Rice single cropping or ratooning agro-system: which one is more environment-friendly?. 2018 , 25, 32246-32256	4
599	Analysis of the utilization of tools and sustainability approaches in the product development process in Brazilian industry. 2018 , 16, 249-262	8
598	Life Cycle Energy Analysis of Reclaimed Water Reuse Projects in Beijing. 2018 , 90, 13-20	4
597	Combined application of Life Cycle Assessment and linear programming to evaluate food waste-to-food strategies: Seeking for answers in the nexus approach. 2018 , 80, 186-197	40
596	Exploring a Sustainable Business Routing for China's New Energy Vehicles: BYD as an Example. 2018 , 70-80	2
595	Comparative life cycle assessment of mechanized and semi-mechanized methods of potato cultivation. 2018 , 3, 288-295	5
594	Potential environmental impacts of electric bicycles replacing other transport modes in Wellington, New Zealand. 2018 , 16, 227-236	12
593	Replacement of electric resistive space heating by an air-source heat pump in a residential application. Environmental amortization. 2018 , 141, 193-205	10
592	Sustainability assessment of gas based power generation using a life cycle assessment approach. 2018 , 29, 826-841	8
591	After Tomorrow: Three Perspectives on Urban Wastelands. 2018 , 321-329	0
590	Environmental Life Cycle Analysis of Water Desalination Processes. 2018 , 527-559	12
589	Perovskite Photovoltaics. 2018 , 447-480	2
588	Sustainable Business Models. 2018 ,	3
587	Multicriteria Analysis in Agriculture. 2018 ,	10

586	Vehicle Electrification in Chile: A Life Cycle Assessment and Techno-Economic Analysis Using Data Generated by Autonomie Vehicle Modeling Software. 2018,		
585	The challenging paradigm of interrelated energy systems towards a more sustainable future. 2018, 95, 171-193		26
584	Lifecycle cost and performance analysis for repair of concrete tunnels. 2018, 637-672		3
583	A Conceptual Framework for Vulnerability Assessment of Climate Change Impact on Critical Oil and Gas Infrastructure in the Niger Delta. 2018, 6, 11		6
582	Deep-sea mining: Interdisciplinary research on potential environmental, legal, economic, and societal implications. 2018, 14, 672-691		35
581	Addressing Organisational Pressures as Drivers towards Sustainability in Manufacturing Projects and Project Management Methodologies. <i>Sustainability</i> , 2018, 10, 2098	3.6	7
580	A Holistic Sustainability Framework for Waste Management in European Cities: Concept Development. <i>Sustainability</i> , 2018, 10, 2184	3.6	28
579	Characterizing the influence of resource-energy-exergy factors on the environmental performance of additive manufacturing systems. 2018, 48, 87-96		23
578	A framework for increasing the availability of life cycle inventory data based on the role of multinational companies. 2018, 23, 1744-1760		12
577	Early-Stage Sustainability Evaluation of Nanoscale Cathode Materials for Lithium Ion Batteries. 2018, 11, 2068-2076		9
576	Novel Method of Sensitivity Analysis Improves the Prioritization of Research in Anticipatory Life Cycle Assessment of Emerging Technologies. 2018, 52, 6534-6543		16
575	Polyhydroxyalkanoates. 2018, 1-26		
574	Quantifying the environmental impacts of alfalfa production in different farming systems. 2018, 27, 109-118		7
573	Turning Industrial Residues into Resources: An Environmental Impact Assessment of Goethite Valorization. 2018, 4, 421-429		16
572	Environmental assessment of date (<i>Phoenix doctylifera</i>) production in Iran by life cycle assessment. 2018, 5, 388-393		2
571	Sustainability and New Product Development: Five Exploratory Case Studies in the Automotive Industry. 2018, 211-232		1
570	Life Cycle Assessment and Multi-criteria Analysis in Agriculture: Synergies and Insights. 2018, 289-321		1
569	Ecosystem services in life cycle assessment - Part 1: A computational framework. <i>Journal of Cleaner Production</i> , 2018, 197, 314-322	10.3	20

568	Life cycle assessment to compare the environmental impacts of different wheat production systems. <i>Journal of Cleaner Production</i> , 2018 , 197, 195-207	10.3	35
567	Life Cycle Assessment of Coffee Production in Time of Global Change. 2019 , 497-502		0
566	Environmental impact of personal consumption from life cycle perspective - A Czech Republic case study. 2019 , 646, 177-186		9
565	Hybrid solar power system versus photovoltaic plant: A comparative analysis through a life cycle approach. 2019 , 130, 290-304		29
564	Considering uncertainty in life-cycle carbon dioxide emissions of fly ash concrete. 2019 , 172, 198-206		2
563	Environmental assessment of masonry mortars made with natural and recycled aggregates. 2019 , 24, 191-210		22
562	First steps in life cycle assessments of cities with a sustainability perspective: A proposal for goal, function, functional unit, and reference flow. 2019 , 646, 1516-1527		29
561	Life cycle assessment in urban territories: a case study of Dalian city, China. 2019 , 24, 1194-1208		5
560	Screening Life Cycle Assessment of beneficiation processes for Rare Earth Elements recovery from secondary sources. 2019 , 214, 012068		3
559	Development of context specific sustainability criteria for selection of plant species for green urban infrastructure: The case of Singapore. 2019 , 20, 316-325		11
558	Benefits and challenges of streamlined life-cycle assessment for SMEs [Findings from case studies on climate change impacts. 2019 , 26, 625-634		1
557	Economic and Environmental Assessment of Agro-Energy Districts in Northern Greece: a Life Cycle Assessment Approach. 2019 , 12, 1145-1162		3
556	Comparison of advanced fuels Which technology can win from the life cycle perspective?. <i>Journal of Cleaner Production</i> , 2019 , 238, 117879	10.3	25
555	Discovering opportunities to meet the challenges of an effective waste electrical and electronic equipment recycling system in Malaysia. <i>Journal of Cleaner Production</i> , 2019 , 238, 117927	10.3	24
554	Environmental Assessment of a Hybrid Solar-Biomass Energy Supplying System: A Case Study. 2019 , 16,		8
553	Grey Based Decision Making for Evaluating Sustainable Performance of Indian Marble Industries. 2019 , 8, 1-18		2
552	Sustainable Management of Solid Waste. 2019 , 79-99		9
551	Eco-efficiency assessment of bioelectricity production from Iranian vineyard biomass gasification. 2019 , 127, 105271		18

550	Analysis of the human health damage and ecosystem quality impact of the palm oil plantation using the life cycle assessment approach. 2019 , 268, 012036		2
549	Improvement of energy efficiency and environmental impacts of rainbow trout in Iran. 2019 , 2, 13-27		1
548	WITHDRAWN: Life-cycle assessment of various types of residential ground-coupled heat pump systems: Wisconsin, US case. 2019 ,		1
547	Life cycle assessment of functional materials and devices: Opportunities, challenges, and current and future trends. 2019 , 102, 7037-7064		6
546	The influence of product design on environmental impacts using life cycle assessment. 2019 ,		3
545	Environmental and energy assessment of a small-scale solar Organic Rankine Cycle trigeneration system based on Compound Parabolic Collectors. 2019 , 198, 111829		28
544	Carbon footprint and economic efficiency of urban agriculture in Beijing – comparative case study of conventional and home-delivery agriculture. <i>Journal of Cleaner Production</i> , 2019 , 234, 615-625	10.3	16
543	Sustainable consumption in mobility from a life cycle assessment perspective. <i>Journal of Cleaner Production</i> , 2019 , 234, 579-587	10.3	9
542	Life-cycle assessment-based comparison of different lignocellulosic ethanol production routes. 2019 , 1-11		8
541	A systematic study on EN-998-2 premixed mortars modified with graphene-based materials. 2019 , 227, 116701		20
540	Life Cycle Assessment. 2019 , 183-198		
539	Energy and environmental evaluation of greenhouse bell pepper production with life cycle assessment approach. 2019 , 3-4, 100011		14
538	Life Cycle Assessment of Retrofitting Large Prefabricated Panels Low-Rise Collective Dwellings. 2019 , 471, 112070		1
537	. 2019 ,		4
536	Regional techno-economic and life-cycle analysis of the pyrolysis-bioenergy-biochar platform for carbon-negative energy. 2019 , 13, 1428-1438		13
535	Utilization potential of fly ash and copper tailings in concrete as partial replacement of cement along with life cycle assessment. 2019 , 99, 90-101		38
534	The Life-Cycle Environmental Impact of Recycling of Restaurant Food Waste in Lanzhou, China. 2019 , 9, 3608		11
533	Environmental and economic implications of energy efficiency in new residential buildings: A multi-criteria selection approach. 2019 , 26, 100412		25

532	Environmentally-friendly thermal and acoustic insulation materials from recycled textiles. 2019 , 251, 109536		50
531	A systematic methodology for comparing the sustainability of process systems based on weighted performance indicators. 2019 , 130, 106558		10
530	Life Cycle Analysis with Multi-Criteria Decision Making: A review of approaches for the sustainability evaluation of renewable energy technologies. 2019 , 104, 343-366		109
529	A Cyanobacterial Sidestream Nutrient Removal Process and Its Life Cycle Implications. 2019 , 12, 217-228		9
528	Environmental performance analysis of insulated composite facade panels using life cycle assessment (LCA). 2019 , 202, 806-813		16
527	ASAS-CSAS ANNUAL MEETING SYMPOSIUM ON WATER USE EFFICIENCY AT THE FORAGE-ANIMAL INTERFACE: Life cycle assessment of forage-based livestock production systems. 2019 , 97, 1865-1873		2
526	Recent Progress in Green Cement Technology Utilizing Low-Carbon Emission Fuels and Raw Materials: A Review. <i>Sustainability</i> , 2019 , 11, 537	3.6	88
525	Review: Modeling production and environmental impacts of small ruminants Incorporation of existing ruminant modeling techniques, and future directions for research and extension. 2019 , 35, 114-129		2
524	Effect of compressive strength and chloride diffusion on life cycle CO ₂ assessment of concrete containing supplementary cementitious materials. <i>Journal of Cleaner Production</i> , 2019 , 218, 450-458	10.3	31
523	The LCA Methodology for Ceramic Tiles Production by Addition of MSWI BA. 2019 , 8, 93		4
522	Environmental impacts of bicycle production in Bangladesh: a cradle-to-grave life cycle assessment approach. 2019 , 1, 1		4
521	LCA of Hospital Solid Waste Treatment Alternatives in a Developing Country: The Case of District Swat, Pakistan. <i>Sustainability</i> , 2019 , 11, 3501	3.6	10
520	Environmental impact of compostable polymer materials. 2019 , 315-347		
519	An overview of LCA application in WEEE management: Current practices, progress and challenges. <i>Journal of Cleaner Production</i> , 2019 , 232, 79-93	10.3	56
518	Life-cycle assessment of biohythane production via two-stage anaerobic fermentation from microalgae and food waste. 2019 , 112, 395-410		30
517	Comparisons of environmental impacts between wood and plastic transport pallets. 2019 , 686, 514-528		13
516	Strategic Supply Chain Management. 2019 ,		13
515	Life-cycle environmental impacts of barley straw valorisation. 2019 , 149, 1-11		12

514	Green extraction of natural products. Origins, current status, and future challenges. 2019 , 118, 248-263		192
513	Understanding the sustainability potential of part consolidation design supported by additive manufacturing. <i>Journal of Cleaner Production</i> , 2019 , 232, 722-738	10.3	31
512	Environmental impacts of transgenic Bt rice and non-Bt rice cultivars in northern Iran. 2019 , 20, 101160		7
511	Carbon-neutral hybrid energy systems with deep water source cooling, biomass heating, and geothermal heat and power. 2019 , 250, 413-432		27
510	System-level analysis and life cycle assessment of CO ₂ and fossil-based formic acid strategies. 2019 , 21, 3442-3455		26
509	A strategic impact assessment of hydropower plants in alpine and non-alpine areas of Europe. 2019 , 250, 198-214		22
508	Life-cycle assessment of green biorefinery process options. 2019 , 13, 1391-1401		2
507	LCA-based Comparison of Two Organic Fraction Municipal Solid Waste Collection Systems in Historical Centres in Spain. 2019 , 12, 1407		17
506	A multi-criteria approach for comparison of environmental assessment methods in the analysis of the energy efficiency in agricultural production systems. <i>Journal of Cleaner Production</i> , 2019 , 228, 1464-1471	10.3	10
505	Research on the use of lignocellulosic fibers reinforced bio-polyamide 11 with composites for automotive parts: Car door handle case study. <i>Journal of Cleaner Production</i> , 2019 , 226, 64-73	10.3	34
504	Environmental assessment of the Urban Mining and Recycling (UMAR) unit by applying the LCA framework. 2019 , 225, 012043		6
503	Methods to Assess the Impacts and Indirect Land Use Change Caused by Telecoupled Agricultural Supply Chains: A Review. <i>Sustainability</i> , 2019 , 11, 1162	3.6	14
502	International standards with a life cycle perspective: which dimension of sustainability is addressed?. 2019 , 24, 1765-1777		9
501	Green Principles for Vehicle Lightweighting. 2019 , 53, 4063-4077		12
500	Social life cycle assessment framework for evaluation of potential job creation with an application in the French carbon fiber aeronautical recycling sector. 2019 , 24, 1729-1742		10
499	Life cycle assessment of rice production systems in different paddy field size levels in north of Iran. 2019 , 191, 202		23
498	Pitfalls of Wastewater Treatment in Oil Refinery Enterprises in Kazakhstan: A System Approach. <i>Sustainability</i> , 2019 , 11, 1618	3.6	18
497	Comparative energy and greenhouse gas assessment of industrial rooftop-integrated PV and solar thermal collectors. 2019 , 241, 113-123		30

496	Energy and environmental indices through life cycle assessment of raisin production: A case study (Kohgiluyeh and Boyer-Ahmad Province, Iran). 2019 , 141, 507-515		16
495	Dynamic impact assessment of resource depletion: A case study of natural gas in New Zealand. 2019 , 18, 165-178		9
494	Methods for Evaluation of WWTPs Environmental Impacts: A Review. 2019 , 222, 012004		4
493	Comparative life cycle assessment of station-based and dock-less bike sharing systems. 2019 , 146, 180-189		59
492	Multidimensional analysis of environmental impacts from potato agricultural production in the Peruvian Central Andes. 2019 , 663, 927-934		21
491	Comparative sustainability assessment of binary blended concretes using Supplementary Cementitious Materials (SCMs) and Ordinary Portland Cement (OPC). <i>Journal of Cleaner Production</i> , 2019 , 220, 445-459	10.3	69
490	Quantifying net water consumption of Norwegian hydropower reservoirs and related aquatic biodiversity impacts in Life Cycle Assessment. 2019 , 76, 36-46		12
489	Translational medicine and biomaterials. 2019 , 1-22		1
488	Environmental Assessment of Military Systems with the Life-Cycle Assessment Methodology. 2019 , 169-197		1
487	Incorporating Sustainable Practices in Asphalt Industry. 2019 ,		1
486	The Potential Role of Flexibility During Peak Hours on Greenhouse Gas Emissions: A Life Cycle Assessment of Five Targeted National Electricity Grid Mixes. 2019 , 12, 4443		6
485	Current options in the life cycle assessment of additive manufacturing products. 2019 , 9, 674-682		7
484	Environmental Impacts of the Existing Solid Waste Management System of Northern Lahore. 2019 , 07, 1950013		
483	Towards a Preservation Sustainability Nexus: Applying LCA to Reduce the Environmental Footprint of Modern Built Heritage. <i>Sustainability</i> , 2019 , 11, 6147	3.6	9
482	Review: The Impact of Metal Additive Manufacturing on the Aerospace Industry. 2019 , 9, 1286		72
481	Determination of the Least Impactful Municipal Solid Waste Management Option in Harare, Zimbabwe. 2019 , 7, 785		7
480	A Technical Review on Methods and Tools for Evaluation of Energy Footprints, Impact on Buildings and Environment. 2019 , 47-81		2
479	Evaluation and comparison of environmental performance for shackle insulators in case study. 2019 , 30, 400-413		1

478	Change management for sustainability: Evaluating the role of human, operational and technological factors in leading Indian firms in home appliances sector. <i>Journal of Cleaner Production</i> , 2019 , 213, 847-862	10.3	49
477	Bag leakage: The effect of disposable carryout bag regulations on unregulated bags. 2019 , 93, 254-271		24
476	Comparative environmental profile assessments of commercial and novel material structures for solid oxide fuel cells. 2019 , 235, 1300-1313		11
475	Tools for circular economy. 2019 , 49-75		11
474	Regional economic and environmental impacts of renewable energy developments: Solar PV in the Aachen Region. 2019 , 48, 11-24		21
473	An exergy-based investigation on hydrogen liquefaction plant-exergy, exergoeconomic, and exergoenvironmental analyses. <i>Journal of Cleaner Production</i> , 2019 , 210, 530-541	10.3	47
472	LCA of the maintenance of a piston-prop engine. 2019 , 91, 987-993		6
471	Life-cycle assessment of biofuel production from microalgae via various bioenergy conversion systems. 2019 , 171, 1033-1045		69
470	Life cycle assessment in conventional rice farming system: Estimation of greenhouse gas emissions using cradle-to-gate approach. <i>Journal of Cleaner Production</i> , 2019 , 212, 1526-1535	10.3	16
469	Sustainable investment evaluation by means of life cycle assessment. 2019 , 15, 347-364		3
468	A photovoltaic net metering system and its environmental performance: A case study from Slovenia. <i>Journal of Cleaner Production</i> , 2019 , 212, 334-342	10.3	3
467	A framework for coupling a participatory approach and life cycle assessment for public decision-making in rural territory management. 2019 , 655, 1017-1027		10
466	How to manage biocomposites wastes end of life? A life cycle assessment approach (LCA) focused on polypropylene (PP)/wood flour and polylactic acid (PLA)/flax fibres biocomposites. 2019 , 83, 184-193		47
465	Environmental sustainability of fruit and vegetable production supply chains in the face of climate change: A review. 2019 , 650, 2863-2879		72
464	Energy Footprints of the Bio-refinery, Hotel, and Building Sectors. 2019 ,		1
463	Benchmarking environmental performance of electric insulator supply chain in India using life cycle assessment. 2019 , 24, 518-529		5
462	Ecosystem Services in Life Cycle Assessment while Encouraging Techno-Ecological Synergies. 2019 , 23, 347-360		18
461	Using authentic science in climate change education. 2019 , 18, 350-381		1

460	Life Cycle Assessment in Buildings: An Overview of Methodological Approach. 2020 , 462-475		
459	Inclusion of environmental impacts in life-cycle cost analysis of bridge structures. 2020 , 5, 252-267		7
458	The economic and environmental assessment on production stage of quayside crane. 2020 , 22, 2759-2778		
457	Carbon emissions of bottled water sector supply chains: a multiple case-study approach** Preliminary results of the study were presented at the 2015 British Academy of Management conference in Portsmouth (8-10 September) under a different title, and at two internal workshops at the University of Liverpool in 2016 and 2017. View all notes. 2020 , 23, 178-194		2
456	Life cycle analysis of biogas production from anaerobic digestion of palm oil mill effluent. 2020 , 145, 847-857		46
455	LiSET: A Framework for Early-Stage Life Cycle Screening of Emerging Technologies. 2020 , 24, 26-37		14
454	Using LCA in a participatory eco-design approach in agriculture: the example of vineyard management. 2020 , 25, 1368-1383		6
453	Blockchain-based life cycle assessment: An implementation framework and system architecture. 2020 , 152, 1045-12		80
452	Assessment of carbon footprint in the construction phase of high-rise constructions in Tehran. 2020 , 17, 3153-3164		7
451	Life cycle assessment of a cold weather aquaponic food production system. <i>Journal of Cleaner Production</i> , 2020 , 244, 118767	10.3	18
450	Environmental impact assessment of water-saving irrigation systems across 60 irrigation construction projects in northern China. <i>Journal of Cleaner Production</i> , 2020 , 245, 118883	10.3	12
449	Systematic MultiObjective Life Cycle Optimization Tools Applied to the Design of Sustainable Chemical Processes. 2020 , 435-449		3
448	Environmental and Economic Evaluation of Fuel Choices for Short Sea Shipping. 2020 , 2, 34-52		18
447	Full life cycle assessment of two surge wave energy converters. 2020 , 234, 548-561		1
446	Measuring and Improving Eco-efficiency. 2020 , 25, 373-395		1
445	Industrial ecology, climate adaptation, and financial risk. 2020 , 24, 285-290		2
444	Cerium in aluminum alloys. 2020 , 55, 24-72		52
443	Performance measures in inflammatory bowel disease surveillance colonoscopy: Implementing changes to practice improves performance. 2020 , 32, 592-599		1

442	Negative Emission Energy Production Technologies: A Techno-Economic and Life Cycle Analyses Review. 2020 , 8, 1900871	6
441	Quantifying the fuel consumption, greenhouse gas emissions and air pollution of a potential commercial manganese nodule mining operation. 2020 , 114, 103678	12
440	Are Technological Developments Improving the Environmental Sustainability of Photovoltaic Electricity?. 2020 , 8, 1901064	8
439	Eco-efficiency of the differential ratio change in a heavy-duty vehicle and implications for the automotive industry. 2020 , 21, 145-155	4
438	Evaluating Feedstocks, Processes, and Products in the Teaching Laboratory: A Framework for Students To Use Metrics to Design Greener Chemistry Experiments. 2020 , 97, 390-401	9
437	Estimate ecotoxicity characterization factors for chemicals in life cycle assessment using machine learning models. <i>Environment International</i> , 2020 , 135, 105393	12.9 27
436	Comparative life-cycle analysis of synthetic detergents and biosurfactants—overview. 2020 , 511-521	14
435	The use of palm oil clinker as a sustainable construction material: A review. 2020 , 106, 103447	16
434	Review on remediation technologies for arsenic-contaminated soil. 2020 , 14, 1	32
433	Application of life cycle analysis to assess environmental sustainability of wheat cultivation in the west of Iran. 2020 , 193, 116768	33
432	A preliminary life cycle assessment on healthcare waste management in Chittagong City, Bangladesh. 2020 , 17, 1753-1764	6
431	Sustainability in fashion and textiles. 2020 , 3-30	9
430	Development and applicability of life cycle impact assessment methodologies. 2020 , 95-124	0
429	Landscape social-metabolism in food-energy-water systems: Agricultural transformation of the Upper Snake River Basin. 2020 , 705, 135817	4
428	Environmental assessment of CO ₂ mineralisation for sustainable construction materials. 2020 , 93, 102882	25
427	Extending the RIPEX exergy-based method for selecting End of Life strategy. 2020 , 152, 104536	6
426	Investigating the environmental impacts of alternative fuel usage in cement production: a life cycle approach. 2020 , 22, 7495-7514	6
425	Printed and hybrid integrated electronics using bio-based and recycled materials—increasing sustainability with greener materials and technologies. 2020 , 111, 325-339	10

424	Waste Polypropylene Plastic Recycling toward Climate Change Mitigation and Circular Economy: Energy, Environmental, and Technoeconomic Perspectives. 2020 , 8, 16350-16363		35
423	Ways to get work done: a review and systematisation of simplification practices in the LCA literature. 2020 , 25, 2154-2168		6
422	Assessing the eco-efficiency of different poultry production systems: an approach using life cycle assessment and economic value added. 2020 , 24, 181-193		18
421	Fuzzy DEMATEL analysis of barriers to Blockchain-based life cycle assessment in China. 2020 , 147, 106684		42
420	A Life Cycle Thinking Framework to Mitigate the Environmental Impact of Building Materials. 2020 , 3, 564-573		17
419	Sustainable Business Models Canvas for Sustainability, Evaluation Method, and Their Application to Additive Manufacturing in Aircraft Maintenance. <i>Sustainability</i> , 2020 , 12, 9130	3.6	11
418	Sustainability analysis of large-scale food waste composting. 2020 , 301-322		2
417	Design for Sustainable Public Transportation: LCA-Based Tooling for Guiding Early Design Priorities. <i>Sustainability</i> , 2020 , 12, 9811	3.6	0
416	<i></i>Environmental footprint of a byproduct diet including DDGS for swine production in the USA</i>. 2020 ,		
415	A review on environmental impacts from aviation sector in terms of life cycle assessment. 2020 , 22, 211		2
414	Grid-Scale Life Cycle Greenhouse Gas Implications of Renewable, Storage, and Carbon Pricing Options. 2020 , 54, 10435-10445		2
413	A comparative life cycle assessment (LCA) of different insulation materials for buildings in the continental Mediterranean climate. 2020 , 225, 110323		32
412	Assessing the environmental performance for more local and more circular biowaste management options at city-region level. 2020 , 745, 140690		18
411	Sustainable Production of Bioplastics from Lignocellulosic Biomass: Technoeconomic Analysis and Life-Cycle Assessment. 2020 , 8, 12419-12429		27
410	An Epitome of Building Floor Systems by Means of LCA Criteria. <i>Sustainability</i> , 2020 , 12, 5442	3.6	4
409	Rapid Prediction of Chemical Ecotoxicity Through Genetic Algorithm Optimized Neural Network Models. 2020 , 8, 12168-12176		10
408	Dynamic energy and carbon footprints of urban transportation infrastructures: Differentiating between existing and newly-built assets. 2020 , 277, 115554		8
407	Enhancing Future Skills and Entrepreneurship. 2020 ,		0

406	Application of Life Cycle Assessment and Machine Learning for High-Throughput Screening of Green Chemical Substitutes. 2020 , 8, 11141-11151			16
405	Practitioners' experiences with the drivers and practices for implementing sustainable construction in Nigeria: a qualitative assessment. 2020 , 9, 443-465			3
404	Assessing the climate and eutrophication impacts of grass cultivation at five sites in Sweden. 2020 , 70, 605-619			1
403	Toward Energy Savings in Campus Buildings under a Life Cycle Thinking Approach. 2020 , 10, 7123			3
402	Life Cycle Assessment of Wood Pellet Production in Thailand. <i>Sustainability</i> , 2020 , 12, 6996	3.6		12
401	Hemp Seed Production: Environmental Impacts of Cannabis sativa L. Agronomic Practices by Life Cycle Assessment (LCA) and Carbon Footprint Methodologies. <i>Sustainability</i> , 2020 , 12, 6570	3.6		7
400	Electric and hydrogen rail: Potential contribution to net zero in the UK. 2020 , 87, 102523			17
399	Global Warming Impacts of Residential Electricity Consumption: Agent-Based Modeling of Rooftop Solar Panel Adoption in Los Angeles County, California. 2020 , 16, 1008-1018			3
398	Data Lake Governance: Towards a Systemic and Natural Ecosystem Analogy. 2020 , 12, 126			4
397	Ecological impacts and limits of biomass use: a critical review. 2020 , 22, 1591-1611			10
396	Carbon Footprint and Life-Cycle Costs of Maize Production in Conventional and Non-Inversion Tillage Systems. 2020 , 10, 1877			6
395	Sustainable Design in Urban Green Space. 2020 ,			
394	A triple-layered one-stop-shop business model canvas for sustainable house renovations. 2020 , 588, 022060			3
393	Sustainability in manufacturing processes: Finding the environmental impacts of friction stir processing of pure magnesium. 2020 , 30, 25-35			8
392	Eco-Holonic 4.0 Circular Business Model to Conceptualize Sustainable Value Chain towards Digital Transition. <i>Sustainability</i> , 2020 , 12, 1889	3.6		14
391	Two decades of eco-efficiency research: a bibliometric analysis. 2020 , 3, 155-168			2
390	A framework for assessing carbon effect of land consolidation with life cycle assessment: A case study in China. 2020 , 266, 110557			5
389	Assessment of the life cycle of genetically modified and non-genetically modified rice cultivars. 2020 , 13, 1			1

388	Development and Utilization of a Framework for Data-Driven Life Cycle Management of Battery Cells. 2020 , 43, 431-438		5
387	Surfacing the social factors early: A sociotechnical approach to the design of a future submarine. 2020 , 45, 527-545		6
386	Life Cycle Assessment and Technoeconomic Analysis of Thermochemical Conversion Technologies Applied to Poultry Litter with Energy and Nutrient Recovery. 2020 , 8, 8436-8447		20
385	The application of life cycle assessment (LCA) to wastewater treatment: A best practice guide and critical review. 2020 , 184, 116058		65
384	Eco-efficiency of oasis seed maize production in an arid region, Northwest China. <i>Journal of Cleaner Production</i> , 2020 , 268, 122220	10.3	14
383	A comparative life-cycle analysis of tall onshore steel wind-turbine towers. 2020 , 4, 48-57		7
382	Life cycle assessment of salinity gradient energy recovery by reverse electrodialysis in a seawater reverse osmosis desalination plant. 2020 , 4, 4273-4284		11
381	Knowledge management lifecycle in Islamic bank: the case of syariah banks in Indonesia. 2020 , 11, 59		4
380	Sustainable Utilization of Low Enthalpy Geothermal Resources to Electricity Generation through a Cascade System. 2020 , 13, 2495		17
379	Life Cycle Environmental Implications of Nanomanufacturing. 2020 , 89-101		1
378	Environmentally sustainable perioperative medicine: simple strategies for anesthetic practice. 2020 , 67, 1044-1063		10
377	Comparative environmental impact assessment of aquafeed production: Sustainability implications of forage fish meal and oil free diets. 2020 , 161, 104849		13
376	ADAPTS: An Intelligent Sustainable Conceptual Framework for Engineering Projects. 2020 , 20,		6
375	Eco-Efficiency in Measuring the Sustainable Production of Agricultural Crops. <i>Sustainability</i> , 2020 , 12, 1418	3.6	16
374	Environmental assessment of food and beverage under a NEXUS Water-Energy-Climate approach: Application to the spirit drinks. 2020 , 720, 137576		16
373	Sustainability analysis of large-scale membrane bioreactor plant. 2020 , 1-20		1
372	Addressing temporal considerations in life cycle assessment. 2020 , 743, 140700		19
371	Environmental and Economic Water Management in Shale Gas Extraction. <i>Sustainability</i> , 2020 , 12, 1686	3.6	7

370	Analysis of Barriers to Transitioning from a Linear to a Circular Economy for End of Life Materials: A Case Study for Waste Feathers. <i>Sustainability</i> , 2020 , 12, 1725	3.6	19
369	Comparative evaluation of carbon footprints between rice and potato food considering the characteristic of Chinese diet. <i>Journal of Cleaner Production</i> , 2020 , 257, 120463	10.3	6
368	LCA Case Study to LED Outdoor Luminaries as a Circular Economy Solution to Local Scale. <i>Sustainability</i> , 2020 , 12, 190	3.6	6
367	Development and evaluation of zinc oxide-blended kenaf fiber biocomposite for automotive applications. 2020 , 24, 101008		16
366	A circular economy within the planetary boundaries: Towards a resource-based, systemic approach. 2020 , 155, 104673		48
365	Uncertainty Analysis in Life Cycle Assessments Applied to Biorefineries Systems: A Critical Review of the Literature. 2020 , 4, 1-13		8
364	Enhancing life cycle chemical exposure assessment through ontology modeling. 2020 , 712, 136263		8
363	. 2020 ,		7
362	Cutting carbon footprints of vegetable production with integrated soil - crop system management: A case study of greenhouse pepper production. <i>Journal of Cleaner Production</i> , 2020 , 254, 120158	10.3	9
361	Water consumption assessment in Asian chemical industries supply chains based on input-output analysis and one-way analysis of variance. 2020 , 27, 12242-12255		4
360	An integrated pathway based on in vitro data for the human hazard assessment of nanomaterials. <i>Environment International</i> , 2020 , 137, 105505	12.9	23
359	Textile-Integrated Thermocouples for Temperature Measurement. 2020 , 13,		11
358	Building an ILCD/EcoSPOLD2-compliant data-reporting template with application to Canadian agri-food LCI data. 2020 , 25, 1402-1417		3
357	Life Cycle Assessment of Crop Rotation Systems on Rice Cultivars in Northern Iran. 2020 , 14, 531-548		5
356	Life-cycle assessment of sewage sludge-based large-scale biogas plant. 2020 , 309, 123373		18
355	Dynamic life cycle economic and environmental assessment of residential solar photovoltaic systems. 2020 , 722, 137932		15
354	Life cycle environmental analysis of drop in alternative aviation fuels: a review. 2020 , 4, 3229-3263		13
353	Bioenergy for a Cleaner Future: A Case Study of Sustainable Biogas Supply Chain in the Malaysian Energy Sector. <i>Sustainability</i> , 2020 , 12, 3213	3.6	8

352	Comparative assessment on two full-scale food waste treatment plants with different anaerobic digestion processes. <i>Journal of Cleaner Production</i> , 2020 , 263, 121625	10.3	18
351	Advances in Sustainable Construction Materials. 2020 ,		2
350	Estimating the overall environmental impact of textile processing. 2020 , 105-129		2
349	Measuring the energy and environmental indices for apple (production and storage) by life cycle assessment (case study: Semrom county, Isfahan, Iran). 2020 , 6, 100034		10
348	When does eco-efficiency rebound or backfire? An analytical model. 2021 , 290, 687-700		3
347	A perspective on the role of uncertainty in sustainability science and engineering. 2021 , 164, 105140		9
346	Resource pressure Δ A circular design method. 2021 , 164, 105179		13
345	Eco-friendly dredged material-cement bricks. 2021 , 271, 121524		7
344	Bridging global socioeconomic scenarios with policy adaptations to examine energy-water tradeoffs. 2021 , 149, 111911		0
343	Material and energy flow in different bread baking types. 2021 , 23, 10512-10527		1
342	Environmental impacts of conventional and additive manufacturing for the production of Ti-6Al-4V knee implant: a life cycle approach. 2021 , 112, 787-801		6
341	How can bicycle-sharing have a sustainable future? A research based on life cycle assessment. <i>Journal of Cleaner Production</i> , 2021 , 282, 125081	10.3	11
340	Waste respirator processing system for public health protection and climate change mitigation under COVID-19 pandemic: Novel process design and energy, environmental, and techno-economic perspectives. 2021 , 283, 116129		7
339	Intensified co-electrolysis process for syngas production from captured CO ₂ . 2021 , 43, 101365		9
338	Life cycle assessment of mulch use on Okanagan apple orchards: Part 2 - Consequential. <i>Journal of Cleaner Production</i> , 2021 , 280, 125022	10.3	1
337	Exergoenvironmental analysis of hydrogen production through glycerol steam reforming. 2021 , 46, 1385-1402	10	
336	Life cycle assessment of eco-friendly concrete mixtures incorporating natural zeolite in sulfate-aggressive environment. 2021 , 268, 121136		27
335	Life cycle assessment of municipal waste management options. 2021 , 193, 110307		3

334	Algae-Based Beneficial Re-use of Carbon Emissions Using a Novel Photobioreactor: a Techno-Economic and Life Cycle Analysis. 2021 , 14, 292-302		6
333	Research Progress on Environmental Impact Assessment of Urban Construction Activities. 2021 , 237, 04017		
332	Empirical analysis of energy consumption transfer in China's national economy from the perspective of production and demand. 2021 , 28, 19202-19221		5
331	Water Footprint in Leather Tanning and Steel Production. 2021 , 137-156		0
330	Analyzing Temporal Variability in Inventory Data for Life Cycle Assessment: Implications in the Context of Circular Economy. <i>Sustainability</i> , 2021 , 13, 344	3.6	1
329	Life cycle environmental impact assessment of rice-crayfish integrated system: A case study. <i>Journal of Cleaner Production</i> , 2021 , 280, 124440	10.3	17
328	Decision support tools. 2021 , 293-357		0
327	Environmental impact of tea production/consumption chain. 2021 , 217-237		0
326	Fashion waste management problem and sustainability: A developing country perspective. 2021 , 3-29		2
325	LCA Framework, Methods, and Application. 2021 , 13-29		
324	Life Cycle Assessment of an Autonomous Underwater Vehicle. 2021 , 577-587		2
323	The Future. 2021 , 601-613		
322	The Denominator: Natural Gas Production, Throughput, and Electricity Generation. 2021 , 31-44		
321	Principles of Life Cycle Inventory Modeling: The Basic Model, Extensions, and Conventions. 2021 , 15-51		
320	Integrating sustainability and remanufacturing strategies by remanufacturing quality function deployment (RQFD). 2021 , 23, 14090-14122		7
319	Life cycle assessment of electric vehicles in comparison to combustion engine vehicles: A review. 2021 , 49, 217-217		14
318	Towards a more environmentally sustainable production of graphene-based materials. 2021 , 26, 327-343		5
317	Sustainability Assessment of Municipal Solid Waste in Baltimore USA. <i>Sustainability</i> , 2021 , 13, 1915	3.6	4

316	The eutrophication process of Nador lagoon (Morocco) evaluated by the Life Cycle Impact Assessment method. 2021 , 14, 1		0
315	Factors Allowing Users to Influence the Environmental Performance of Their T-Shirt. <i>Sustainability</i> , 2021 , 13, 2498	3.6	3
314	Advances, Norms, and Perspectives in Product Chemical Footprint Research. 2021 , 18,		1
313	Quantifying the ecosystem services values of electricity generation in the US Chihuahuan Desert: A life cycle perspective. 2021 , 25, 1089-1101		1
312	Bio-Based Polyester Fiber Substitutes: From GWP to a More Comprehensive Environmental Analysis. 2021 , 11, 2993		5
311	Life-cycle assessment as a tool to evaluate the environmental impact of hot-dip galvanisation. <i>Journal of Cleaner Production</i> , 2021 , 290, 125676	10.3	0
310	Combining environmental and economic factors to evaluate the reuse of electrical and electronic equipment – Swiss case study. 2021 , 166, 105307		5
309	Technical and Environmental Viability of a Road Bicycle Pedal Part Made of a Fully Bio-Based Composite Material. 2021 , 14,		2
308	Poly(3-hydroxypropionate): Biosynthesis Pathways and Malonyl-CoA Biosensor Material Properties. 2021 , 9, 646995		0
307	LCA Practices of Plastics and Their Recycling: A Critical Review. 2021 , 11, 3305		6
306	Integrating sustainability and resilience in the supply chain: A systematic literature review and a research agenda. 2021 , 30, 2858		41
305	An Approach to Sustainability Management across Systemic Levels: The Capacity-Building in Sustainability and Environmental Management Model (CapSEM-Model). <i>Sustainability</i> , 2021 , 13, 4910	3.6	7
304	Estimation of Unit Process Data for Life Cycle Assessment Using a Decision Tree-Based Approach. 2021 , 55, 8439-8446		4
303	Eco-efficiency of farms considering multiple functions of agriculture: Concept and results from Austrian farms. <i>Journal of Cleaner Production</i> , 2021 , 297, 126662	10.3	10
302	Toward sustainable circular economies: A computational framework for assessment and design. <i>Journal of Cleaner Production</i> , 2021 , 295, 126353	10.3	8
301	Life cycle assessment of sewage sludge treatment and disposal based on nutrient and energy recovery: A review. 2021 , 769, 144451		34
300	Environmental performance comparison of bioplastics and petrochemical plastics: A review of life cycle assessment (LCA) methodological decisions. 2021 , 168, 105451		58
299	Life cycle assessment of natural gas and crude oil: case study in PT Pertamina Hulu Mahakam [BSP Site. 2021 , 753, 012037		

298	Life cycle assessment and life cycle costing of an innovative component for refrigeration units. <i>Journal of Cleaner Production</i> , 2021 , 295, 126442	10.3	3
297	Reliability-Informed Life Cycle Warranty Cost and Life Cycle Analysis of Newly Manufactured and Remanufactured Units. 2021 , 143,		1
296	Recent progress of scientific research on life cycle assessment. 2021 , 47, 3161-3161		0
295	Environmental impact assessment of aluminium production using the life cycle assessment tool and multi-criteria analysis. 2021 , 059-066		0
294	An overview of brine management: Emerging desalination technologies, life cycle assessment, and metal recovery methodologies. 2021 , 288, 112358		23
293	Process simulation coupled with LCA for the evaluation of liquid - liquid extraction processes of phenol from aqueous streams. 2021 , 41, 102077		6
292	Life cycle assessment of recycling strategies for perovskite photovoltaic modules. 2021 , 4, 821-829		28
291	The Waste-Resource Paradox: Practical dilemmas and societal implications in the transition to a circular economy. <i>Journal of Cleaner Production</i> , 2021 , 303, 126831	10.3	10
290	Comparative analysis of carbon footprint between conventional smallholder operation and innovative largescale farming of urban agriculture in Beijing, China. 2021 , 9, e11632		1
289	Life Cycle Analysis for The Production of Urea Through Syngas. 2021 , 795, 012031		0
288	Low emission vehicle integration: Will National Grid electricity generation mix meet UK net zero?. 095765092110154		1
287	Managing residential solar photovoltaic-battery systems for grid and life cycle economic and environmental co-benefits under time-of-use rate design. 2021 , 169, 105527		5
286	Assessing the lifecycle greenhouse gas (GHG) emissions of perishable food products delivered by the cold chain in China. <i>Journal of Cleaner Production</i> , 2021 , 303, 126982	10.3	7
285	Integrating life cycle assessment and electrochemical modeling to study the effects of cell design and operating conditions on the environmental impacts of lithium-ion batteries. 2021 , 144, 111004		6
284	Natural Bioactive Compounds from Food Waste: Toxicity and Safety Concerns. 2021 , 10,		20
283	Investigation of shallot production system in terms of energy-economic-environmental in Iran. 2021 , 28, 65676-65686		1
282	Evaluation of e-waste management systems in Malaysia using life cycle assessment and material flow analysis. <i>Journal of Cleaner Production</i> , 2021 , 308, 127358	10.3	11
281	Life Cycle Assessment and Material Flow Analysis: Two Under-Utilized Tools for Informing E-Waste Management. <i>Sustainability</i> , 2021 , 13, 7939	3.6	4

280	A multi-objective model for optimizing the socio-economic performance of a pharmaceutical supply chain. 2021 , 79, 101126	3
279	Life cycle assessment of electricity generation: A systematic review of spatiotemporal methods. 2021 , 3, 100058	5
278	Life Cycle Assessment for Integration of Solid Oxide Fuel Cells into Gas Processing Operations. 2021 , 14, 4668	4
277	Life-cycle assessment of SO ₂ removal from flue gas using carbonate melt. 2021 , 100, 270-279	2
276	China's carbon emissions structure and reduction potential on the supply-side and demand-side of energy: Under the background of four influencing factors. 2021 , 16, e0255387	2
275	Economic and Environmental Sustainability of Olive Production: A Case Study. 2021 , 11, 1753	3
274	Environmental life cycle impact assessment of transportation infrastructure: A multi-case study in international perspective. 1-12	0
273	Present and Future Sustainability Development of 3D Metal Printing. 2021 , 5, em0168	1
272	Carbon footprint of oil products pipeline transportation. 2021 , 783, 146906	12
271	Environmental aspects of insect mass production. 2021 , 7, 553-571	17
270	Life cycle assessment of a long-term multifunctional winter wheat-summer maize rotation system on the North China Plain under sustainable P management. 2021 , 783, 147039	3
269	LCE and Electromobility. 2022 , 11-55	
268	Life cycle assessment (LCA) of a novel geothermal-based multigeneration system using LNG cold energy- integration of Kalina cycle, stirling engine, desalination unit and magnetic refrigeration system. 2021 , 231, 120888	7
267	Multiscale modelling techniques in life cycle assessment: Application to nanostructured polymer systems in the maritime industry. 2021 , 29, e00327	2
266	Assessment of water footprint of vegetable crops. 2021 , 57-64	0
265	Assessment of carbon dioxide emissions during production, construction and use stages of asphalt pavements. 2021 , 11, 100436	4
264	Integrated Production and Transportation Scheduling in E-Commerce Supply Chain with Carbon Emission Constraints. 2021 , 16, 2554-2570	0
263	The critical techno-economic aspects for production of B10 biodiesel from second generation feedstocks: a review. 1-21	1

262	Embodied greenhouse gas assessment of railway infrastructure: the case of Austria. 2021 , 1, 025008	1
261	Prefabricated versus conventional construction: Comparing life-cycle impacts of alternative structural materials. 2021 , 41, 102705	5
260	Life cycle assessment of high-performance monocrystalline titanium dioxide nanorod-based perovskite solar cells. 2021 , 230, 111288	1
259	A comparative life cycle assessment between green walls and green facades in the Mediterranean continental climate. 2021 , 249, 111236	6
258	Exergoenvironmental analysis of bioenergy systems: A comprehensive review. 2021 , 149, 111399	74
257	Phasing in electric vehicles: Does policy focusing on operating emission achieve net zero emissions reduction objectives?. 2021 , 152, 100-114	3
256	From bandages to buildings: Identifying the environmental hotspots of hospitals. <i>Journal of Cleaner Production</i> , 2021 , 319, 128479	10.3 4
255	Life cycle and economic analysis of chemicals production via electrolytic (bi)carbonate and gaseous CO ₂ conversion. 2021 , 304, 117768	3
254	Cradle-to-grave life cycle assessment of an air to water heat pump: Case study for the Lebanese context and comparison with solar and conventional electric water heaters for residential application. 2021 , 44, 103253	1
253	Life Cycle Assessment, an Integrated Vision to Energy Efficiency in the Building Industry. 2021 , 313-340	1
252	Integration of life cycle assessment (LCA) and modeling methods in investigating the yield and environmental emissions final score (EEFS) of carp fish (<i>Cyprinus carpio</i>) farms. 2021 , 28, 19234-19246	4
251	The RCF biorefinery: Building on a chemical platform from lignin. 2021 , 241-297	3
250	Principles of Low-Carbon Cement. 2021 , 43-77	
249	Sustainability of Land Use: A Systems Approach. 2021 , 15-53	
248	Life-Cycle Environmental Impact Assessment of Steel Bridge Deck Pavement. 2021 , 223-232	1
247	Sustainability assessment of nanomaterials for the production of biofuels: Integrated methodological framework. 2021 , 765-793	
246	Life cycle analysis for green composites: A review of literature including considerations for local and global agricultural use. 2021 , 16, 155892502110269	2
245	Life cycle assessment of engineered nanomaterials. 2021 , 443-458	0

244	Life-cycle assessment for solid waste and waste water treatment. 2021 , 285-320	
243	Overview of cold chain development in China and methods of studying its environmental impacts. 2020 , 2, 122002	7
242	Life Cycle Assessment of Biofuels and Green Commodity Chemicals. 2020 , 327-353	1
241	Options and trade-offs: reducing greenhouse gas emissions from food production systems. 2006 , 211-230	2
240	Life Cycle Assessment of Greenhouse Gas Emissions. 2012 , 13-41	5
239	Life Cycle Assessment of Greenhouse Gas Emissions. 2015 , 1-31	1
238	Grey Energy and Environmental Impacts of ICT Hardware. 2015 , 171-189	15
237	Life Cycle Assessment of Natural Fiber Polymer Composites. 2015 , 121-141	6
236	Concepts and Methods of Global Assessment of the Economics of Land Degradation and Improvement. 2016 , 15-32	2
235	The Nexus of Food, Energy, and Water Resources: Visions and Challenges in Spatial Computing. 2017 , 5-20	13
234	An Environmental Burden Shifting Approach to Re-evaluate the Environmental Impacts of Products. 2016 , 56-65	1
233	Conceptual Design of Biocomposites for Automotive Components. 2017 , 101-126	4
232	Sustainable Business Model Design: A Review of Tools for Developing Responsible Business Models. 2018 , 377-394	3
231	A Multistakeholders Multicriteria Decision Support Platform for Assessing Urban Freight Transport Measures. 2018 , 17-31	1
230	Introducing Energy Performances in Production Management: Towards Energy Efficient Manufacturing. 2010 , 168-175	6
229	Simulation Modelling of Energy Dynamics in Discrete Manufacturing Systems. 2013 , 293-311	8
228	A Concept for Graph-Based LCA Analysis Tool. 2013 , 410-417	2
227	Analysis and Comparison of Life Cycle Assessment and Carbon Footprint Software. 2014 , 1521-1530	1

226	Introduction to a Model for Life Cycle Optimisation of Industrial Equipment. 2014 , 193-200	1
225	Socioeconomic Metabolism and the Human Appropriation of Net Primary Production: What Promise Do They Hold for LTSEr?. 2013 , 29-52	4
224	A Model of Simplified LCA for Agri-Food SMEs. 2013 , 123-150	2
223	Reduction of Environmental Impact of Products Through Hotspot Analysis in LCA. 2017 , 153-163	1
222	Environmental Sustainability Assessment of Biofuel Production from Oil Palm Biomass. 2013 , 149-187	4
221	Life cycle assessment in the telecommunication industry: A review. 2008 , 13, 75	6
220	Comparison of alternative management methods for phosphogypsum waste using life cycle analysis. <i>Journal of Cleaner Production</i> , 2020 , 266, 121386	10.3 14
219	Carbon footprint and eco-efficiency of China's regional construction industry: A life cycle perspective. 1-16	2
218	Life-cycle and environmental impact assessments on processing of plant fibres and its bio-composites: A critical review. 152808372092473	77
217	Life Cycle Assessment. 2006 , 83-109	1
216	Industrial Ecology in Policy Making: What is Achievable and What is Not?.	3
215	Comparative Life Cycle Assessments: Carbon Neutrality and Wood Biomass Energy.	9
214	Economics of Land Degradation Initiative: Methods and Approach for Global and National Assessments.	14
213	Rumo à Economia Circular: Sinergia Existente entre as Definições Conceituais Correlatas e Apropriadas para a Literatura Brasileira. 2019 , 18, 35-62	6
212	Sustainability Framework for Assessing Urban Freight Transportation Measures. 2018 , 9, 16-36	12
211	REVIEW ON GREEN BUILDING RATING TOOLS WORLDWIDE: RECOMMENDATIONS FOR AUSTRALIA. 2019 , 25, 831-847	7
210	MONITORING CARBON EMISSIONS IN PRECAST CONCRETE INSTALLATION THROUGH LEAN PRODUCTION – A CASE STUDY IN SINGAPORE. 2014 , 9, 191-211	8
209	Mitigating the Environmental Impact of Smartphones with Device Reuse. 2012 , 252-282	1

208	Recent Developments in Green Supply Chain Management. 2017 , 191-217	1
207	Planning Demand- and Legislation-Driven Remanufacturing for a Product Family: A Model for Maximizing Economic and Environmental Potential. 2015 , 14, 159-174	8
206	Life Cycle Assessment of Sajor-caju Mushroom (Pleurotus Sajor-caju) from Different Sizes of Farms in Thailand. 2014 , 5, 435-439	3
205	Life Cycle Assessment of Advanced Circulating Fluidized Bed Municipal Solid Waste Incineration System from an Environmental and Exergetic Perspective. 2021 , 18,	0
204	Greenhouse gas emissions and mitigation potential of hybrid maize seed production in northwestern China. 2021 , 1	0
203	Economic and Life Cycle Analysis of Passive and Active Monitoring of Ozone for Forest Protection. 2021 , 8, 104	
202	Assessing the sustainability of municipal solid waste management using life-cycle analysis. 1-23	
201	Comparative Life Cycle Assessment of Marine Insulation Materials. 2021 , 9, 1099	1
200	Life Cycle Assessment. 2005 , 715-719	
199	References. 2008 , 175-184	
198	The Green Product Eco-design Approach and System Complying with Energy Using Products (EuP) Directive. 2009 , 243-254	1
197	The Research of Materials Life Cycle Assessment. 153-165	
196	Life Cycle Assessment of China's Alumina Manufacturing by Bayer Process. 239-251	
195	Integrated Environmental and Economic Assessment of Production Systems using a Material Flow Simulation Model. 2012 , 415-421	1
194	Environmental Aspects Selection for EEE Using ANP Method. 2012 , 347-353	
193	Life Cycle Environmental Impact Assessment of Air Pollutants and CO2 Emissions from the Cement Industry of China: Regional Analysis Based on CML Method. 2012 , 8, 181-199	
192	Towards a Fast Evaluation of Environmental Impacts. 2013 , 402-409	
191	Environmental Performance of Applying Alternative Energies to the Collection, Transport and MBT Plant Within an Integrated MSW Management System. 2013 , 267-287	

- 190 A Decision Making Process for Sustainability in the Textile Sector. **2013**, 418-425
- 189 Life Cycle Analysis and Sustained Organisation Change in Auto Repair Shops. **2014**, 91-110
- 188 Leistungssteuerung (I): Gesamtsteuerung mit strategischen ESG-Managementsystemen. **2014**, 113-125 1
- 187 Using Life Cycle Analysis to Analyse the Environmental Performances of Organic and Non-organic Apple Orchards. **2014**, 221-238 1
- 186 LIFE CYCLE ASSESSMENT IN HEALTHCARE SYSTEM OPTIMIZATION. INTRODUCTION. **2015**, 39-44
- 185 Current and Future Trends of Refrigerants Development. **2015**, 207-259
- 184 Lipid-Based Liquid Biofuels from Autotrophic Microalgae: Energetic and Environmental Performance. 33-44
- 183 Life Cycle Analysis and Global Environmental Health Issues. **2015**, 5, 1-2
- 182 Best Management Practices for Forest Bioenergy Programs. 333-350 0
- 181 Solid Waste Management Design. **2017**, 29-59
- 180 Current and Future Trends of Refrigerants Development. **2017**, 1900-1951
- 179 Polyhydroxyalkanoates. 1-26 0
- 178 Multi-stage Strategic Approach in Spatial Innovation: How Innovation District Matter?. **2019**, 85-94
- 177 Evaluaci3n de la sostenibilidad en la rehabilitaci3n energ3tica de vivienda social en pa3ses mediterr3neos = Evaluation of sustainability in the energy rehabilitation of social housing in Mediterranean countries. **2018**, 4, 82
- 176 POLIETILENINIIR KALIOJO KETAUS VAMZDIIBVIO CIKLO ANALIZI2018,
- 175 A Framework for Sustainable Eco-Friendly Product Development Based on TRIZ. **2019**, 704-712 1
- 174 Life-Cycle Assessment of Construction Materials: Analysis of Environmental Impacts and Recommendations of Eco-efficient Management Practices. **2019**, 2337-2372
- 173 . 111-132

172	Economic Analysis and Life Cycle Assessment of Pyrolysis of Plastic Waste in Mumbai, India. 2020 , 453-463		1
171	Computational Framework for Usage Stage Modeling of Machines in Life Cycle Assessment. 2019 , 36, 1065-1074		
170	Potencial de las tecnologías inmersivas en el análisis del ciclo de vida de las edificaciones = Potential of immersive technologies in the analysis of the life cycling of buildings. 2019 , 5, 92		
169	Sustainability Assessment of Sanitary Ware Supply Chain Using Life Cycle Assessment Framework. Case Study. 2020 , 167-179		
168	State-of-the-Art Review and Roadmap. 2020 , 1-56		1
167	Life-Cycle Assessment of Production of Concrete Using Copper Tailings and Fly Ash as a Partial Replacement of Cement. 2020 , 75-85		1
166	Recent Developments in Green Supply Chain Management. 2020 , 1115-1135		
165	Life Cycle Assessment in Sustainable Manufacturing: A Review and Further Direction. 2021 , 191-203		1
164	Life cycle assessment of bioenergy product systems: a critical review. 2021 , 1, 100015		3
163	Exergy-Based Life Cycle Assessment Model for Evaluating the Environmental Impact of Bridge: Principle and Case Study. <i>Sustainability</i> , 2021 , 13, 11804	3.6	1
162	Life Cycle Assessment. 2021 , 79-101		0
161	Life Cycle Assessment and Ecosystem Services of Agromining. 2021 , 75-98		1
160	Environmental assessment of different municipal waste management methods with approach to life cycle assessment (Case study: Yazd, Iran). 2020 , 1, 1-9		
159	Assessing the Environmental Impact of Processed Healthy Grains. 2020 , 251-276		
158	Addressing Resistance to a Fact-Based Approach. 2021 , 103-120		
157	Consensus-based urban sustainability framework for Iraqi cities: A case study in Baghdad. <i>Heliyon</i> , 2020 , 6, e05348	3.6	0
156	Contributions of life cycle assessment on cellulosic ethanol production from harvest residues: environmental impacts and public policies in Brazil. 2022 , 81-108		
155	Environmental Impact Assessment of Captive Power Plant Using LCA for Sustainable Development. 2022 , 13, 1-15		0

154	Computing. 2020 , 429-457	
153	Life Cycle Analysis of Lignocellulosic Conversion into Fuels, Energy, and Chemicals. 2020 , 313-332	
152	Life Cycle Management and Sharing Economy. 2020 , 152-166	1
151	Life-cycle assessment of food waste recycling. 2020 , 481-513	0
150	Environmental and Economic Evaluation of Mechanical Biological Treatment System for Municipal Waste Considering the Political Framework in Ichihara City. 2021 , 11, 10296	
149	Statistical classification of dynamic bacterial growth with sub-inhibitory concentrations of nanoparticles and its implications for disease treatment.	
148	Environmental and health impacts of electric service vessels in the recreational boating industry. 2020 , 15, 781-796	1
147	Decision-making for cable routing at detailed ship design through life cycle and cost assessment. 2020 , 4, 93-107	
146	Current and Future Trends of Refrigerants Development. 474-524	
145	A web-based collaborative decision-making tool for Life Cycle Interpretation. 2007 , 41-46	
144	Design and Modelling Approaches. 2020 , 57-91	
143	Framework of life cycle assessment on nutmeg syrup processing. 2020 , 599, 012079	
142	Life Cycle Assessment of Low Temperature District Heating System in Gulbene Region. 2020 , 24, 285-299	1
141	Measurement and practices for hazardous waste management. 2022 , 89-115	2
140	Estimation of Greenhouse Gas Emission Reduction from Shared Micromobility System. 2021 ,	1
139	Life cycle assessment of the co-combustion system of single-use plastic waste and lignite coal to promote circular economy. <i>Journal of Cleaner Production</i> , 2021 , 329, 129579	10.3 1
138	Fuelling power plants by natural gas: An analysis of energy efficiency, economical aspects and environmental footprint based on detailed process simulation of the whole carbon capture and storage system. 2021 , 252, 115072	3
137	Environmental life cycle analysis of a modern commercial-scale fibreglass composite-based biogas scrubbing system. 2022 , 185, 1261-1271	0

136	Valorization of fruit and vegetables agro-wastes for the sustainable production of carotenoid-based colorants with enhanced bioavailability.. 2022 , 152, 110924		2
135	Life cycle assessment of two decentralized water treatment systems combining a constructed wetland and a membrane based drinking water production system. 2022 , 178, 106104		0
134	Multi-regional land disturbances induced by mineral use in a product-based approach: A case study of gasoline, hybrid, battery electric and fuel cell vehicle production in Japan. 2022 , 178, 106093		0
133	Livestock and future food supply scenarios. 2022 , 107-121		0
132	Assessing the Environmental Footprint of Distiller-Dried Grains with Soluble Diet as a Substitute for Standard CornSoybean for Swine Production in the United States of America. <i>Sustainability</i> , 2022 , 14, 1161	3.6	0
131	Discussion of an environmental depletion assessment method-A case study in Xinjiang, China.. 2022 , 17, e0262092		0
130	Bioproducts from high-protein algal biomass: An economic and environmental sustainability review and risk analysis.		1
129	Multidisciplinary Assessment of a Novel Carbon Capture and Utilization Concept including Underground Sun Conversion. 2022 , 15, 1021		0
128	The use of emerging dehydration technologies in developing sustainable food supply chain. 2022 , 393-409		
127	A Network Analysis for Environmental Assessment in Wine Supply Chain. 2022 , 12, 211		2
126	A Comparative Study on the Life Cycle Assessment of New Zealand Residential Buildings. 2022 , 12, 50		9
125	Life Cycle Assessment (LCA) of Two Pneumatic Urban Waste Collection Systems Compared to Traditional Truck Collection in an Airport. <i>Sustainability</i> , 2022 , 14, 1109	3.6	0
124	Techno-economic evaluation and life-cycle assessment of integrated biorefineries within a circular bioeconomy concept. 2022 , 541-556		1
123	Environmental impacts and associated costs of railway turnouts based on Austrian data. 2022 , 103, 103168		1
122	Systematic review of life cycle assessments applied to sugarcane bagasse utilization alternatives. 2022 , 158, 106365		3
121	Assessing and improving eco-efficiency of multifunctional dairy farming: The need to address farms' diversity. <i>Journal of Cleaner Production</i> , 2022 , 338, 130627	10.3	3
120	Worldwide ubiquitous utilization of lithium-ion batteries: What we have done, are doing, and could do safely once they are dead?. 2022 , 523, 231015		1
119	Strategies to Cope with the Plastic Pollution in the Sea. 2022 , 101-118		

118	Microbial bioprospecting for biorefinery application: Bottlenecks and sustainability. 2022 , 277-296		
117	Life Cycle Assessment of the High Performance Discontinuous Fibre (HiPerDiF) Technology and Its Operation in Various Countries. <i>Sustainability</i> , 2022 , 14, 1922	3.6	1
116	Environmental impact assessment of solar thermal energy. 2022 , 323-360		
115	Multiscale modelling techniques in Life Cycle Assessment: application to product design. 2022 , 105, 688-693		
114	Comparative Life Cycle Assessments of Photovoltaic Thermal Systems with Earth Water Heat Exchanger Cooling. 2022 , 105, 255-260		
113	A State-of-the-Art Review for Product Engineering Design for Sustainability Focusing on Aims and Methodologies. 2022 , 1027-1051		
112	Biocomposites based on natural fibers and polymers: A review on properties and potential applications. 073168442110706		4
111	The Cradle-to-Cradle Life Cycle Assessment of Polyethylene terephthalate: Environmental Perspective.. 2022 , 27,		2
110	Life-Cycle and Techno-Economic Assessment of Early-Stage Carbon Capture and Utilization TechnologiesA Discussion of Current Challenges and Best Practices. 2022 , 4,		1
109	A Sustainable Approach towards Disposable Face Mask Production Amidst Pandemic Outbreaks. <i>Sustainability</i> , 2022 , 14, 3849	3.6	1
108	Energy Sustainability Performance Index of Biodigester Using Energy LCA-Based Indicators. 2022 , 10,		0
107	Is Desalination a Solution to Freshwater Scarcity in Developing Countries?. 2022 , 12,		0
106	Lifecycle Analysis of Recycled Asphalt Pavements: Case Study Scenario Analyses of an Urban Highway Section. 2022 , 3, 242-262		3
105	Strategies to achieve a carbon neutral society: a review.. 2022 , 1-34		14
104	Estimating the greenhouse gas emissions of cold chain infrastructure in China from 2021 to 2060. 2022 , 31, 546-556		
103	Energy consumption in China's ICT sectors: From the embodied energy perspective. 2022 , 160, 112313		0
102	Environmental life cycle assessment of rockwool filled aluminum sandwich facade panels in Turkey. 2022 , 50, 104234		0
101	Carbon footprint, yield and economic performance assessment of different mulching strategies in a semi-arid spring maize system.. 2022 , 826, 154021		0

100	Comparative Life Cycle Assessment of Uranium Recovery from Brine. 2022 , 181, 106237		0
99	Decarbonisation of islands: A multi-criteria decision analysis platform and application. 2022 , 52, 102115		0
98	Life Cycle Assessment of Anaerobic Digestion: A Review of Findings and Opportunities for Anaerobic Digestion Development in Sub-Saharan Africa. 2021 ,		
97	Blockchain Technology in Life Cycle Assessment. <i>New Research Trends</i> . 2021 , 14, 8292		1
96	Tackling Climate Change with Machine Learning. 2023 , 55, 1-96		26
95	Territorial Life Cycle Assessment. 2022 , 161-188		1
94	Critical review of life cycle assessment of lithium-ion batteries for electric vehicles: A lifespan perspective. 2022 , 100169		12
93	Application and adaptation of a scale-up framework for life cycle assessment to resource recovery from waste systems. <i>Journal of Cleaner Production</i> , 2022 , 131720	10.3	0
92	Environmental and Economic Assessment of Repairable Carbon-Fiber-Reinforced Polymers in Circular Economy Perspective.. 2022 , 15,		0
91	Comparative study by life cycle assessment of an air ejector and orifice plate for experimental measuring stand manufactured by conventional manufacturing and additive manufacturing. 2022 , 32, e00431		0
90	In vitro-based human toxicity effect factors: challenges and opportunities for nanomaterial impact assessment.		0
89	Sustainability Assessment of Municipal Solid Waste in Riyadh, Saudi Arabia, in the Framework of Circular Economy Transition. <i>Sustainability</i> , 2022 , 14, 5093	3.6	0
88	Drawing a Path towards Circular Construction: An Approach to Engage Stakeholders. <i>Sustainability</i> , 2022 , 14, 5314	3.6	0
87	Environmental Sustainability Analysis of L-Tryptophan as a Consumer Product and Intermediate to Pharmaceutical Active Ingredients. 2022 , 3,		
86	Spatiotemporal Model to Quantify Stocks of Metal Cladding Products for a Prospective Circular Economy. 2022 , 12, 4597		1
85	A comparative environmental life cycle assessment of rice straw-based bioenergy projects in China.. 2022 , 113404		1
84	Life cycle assessment as a design consideration for process development for value recovery from gold mine tailings. 2022 , 183, 107588		0
83	Green Protective Geopolymer Coatings: Interface Characterization, Modification and Life-Cycle Analysis. 2022 , 15, 3767		2

82	Environmental assessment of carbon dioxide methanation process using mixed metal oxide and zeolite-supported catalysts by life cycle assessment methodology. <i>Journal of Cleaner Production</i> , 2022 , 132529	10.3	0
81	Comparative life cycle assessment (LCA) of concrete mixtures: a critical review. 1-19		
80	Approach toward In Vitro-Based Human Toxicity Effect Factors for the Life Cycle Impact Assessment of Inhaled Low-Solubility Particles.		
79	How to overcome barriers limiting LCA adoption? The role of a collaborative and multi-stakeholder approach.		0
78	Improving Sustainability of Steel Roofs: Life Cycle Assessment of a Case Study Roof. 2022 , 12, 5943		1
77	Optimizing Wheat Yield, Water, and Nitrogen Use Efficiency With Water and Nitrogen Inputs in China: A Synthesis and Life Cycle Assessment. 13,		1
76	Economic and Environmental Assessment of Olive Agroforestry Practices in Northern Greece. 2022 , 12, 851		2
75	A new method for green forage production: Energy use efficiency and environmental sustainability. <i>Journal of Cleaner Production</i> , 2022 , 363, 132562	10.3	0
74	Energy systems modeling and optimization for absolute environmental sustainability: current landscape and opportunities. 2022 , 164, 107883		0
73	Understanding the environmental impacts of biogas utilization for energy production through life cycle assessment: An action towards reducing emissions. 2022 , 213, 113632		2
72	Life-cycle assessment of biorefinery. 2022 , 305-331		0
71	Analyzing and Modeling of Carbon Footprint and Life Cycle Assessment for a Climatic Wind Tunnel. 2022 , 633-646		
70	Sustainable Food Packaging: An Integrative Framework. <i>Sustainability</i> , 2022 , 14, 8045	3.6	0
69	A comprehensive review on hazardous aspects and management strategies of electronic waste: Bangladesh perspectives. <i>Heliyon</i> , 2022 , 8, e09802	3.6	3
68	Environmental, Energy, and Water Footprints of Marble Tile Production Chain in a Life Cycle Perspective. <i>Sustainability</i> , 2022 , 14, 8325	3.6	0
67	Life cycle sustainable assessment of natural vs artificial lightweight aggregates. <i>Journal of Cleaner Production</i> , 2022 , 133064	10.3	0
66	Life cycle assessment of binary recycled ceramic tile and recycled brick waste-based geopolymers. <i>Cleaner Materials</i> , 2022 , 5, 100116		1
65	Comparative environmental footprints of lettuce supplied by hydroponic controlled-environment agriculture and field-based supply chains. <i>Journal of Cleaner Production</i> , 2022 , 133214	10.3	0

64	How road cross-sections affect the environmental impacts from cradle to grave. <i>Cleaner Environmental Systems</i> , 2022 , 100088	2	2
63	Life cycle assessment of coconut oil product. 2022 , 1063, 012017		
62	Test of a PSHA Map of China with Fortification Benefit Evaluation.		0
61	CO ₂ e footprint and eco-impact of ultralow phosphorus removal by hydrous ferric oxide reactive filtration: A municipal wastewater LCA case study. 2022 , 94,		
60	Life Cycle Assessment of Microplastics Reveals Their Greater Environmental Hazards than Mismanaged Polymer Waste Losses. 2022 , 56, 11780-11797		0
59	Poultry litter valorization by application of hydrothermal gasification: Process simulation, Economic, Energic, and Environmental analysis.		2
58	Comparing a material circularity indicator to life cycle assessment: The case of a three-layer plastic packaging. 2022 , 33, 820-830		1
57	A comparative life cycle assessment of biofertilizer production towards sustainable utilization of anaerobic digestate. 2022 , 33, 875-889		1
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55	Economic, energy and environmental performance assessment on wheat production under water-saving cultivation strategies. 2022 , 261, 125330		0
54	Energy scenarios for the Faroe Islands: A MCDA methodology including local social perspectives. 2022 , 4, 100092		1
53	The Limit of the Environmental and Productive Performance of Closed-Loop Production: Evaluation in the Wood Pellet Industry in Brazil. 2022 , 257-270		0
52	Mitigating environmental impacts using net energy system in feed formulation in China's pig production. 2023 , 856, 159103		0
51	Life Cycle Analysis of Polymer Nanocomposites for Energy Storage. 2022 , 235-239		0
50	The Emergence of a Sustainable and Reliable Supply Chain Paradigm in Supply Chain Network Design. 2022 , 2022, 1-29		0
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48	Biohydrogen production from anaerobic sewage sludge. 2022 , 291-313		0
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46	Benefits of infrastructure symbiosis between coal power and wastewater treatment.	0
45	Efficient utilization of tire chip reinforced sand under footings subjected to purely inclined loads—An experimental and life cycle investigation.	0
44	Assessing the carbon footprint of digital health interventions: a scoping review.	2
43	Recent updates in biohydrogen production strategies and life cycle assessment for sustainable future. 2022 , 366, 128159	1
42	Optimizing strategies to reduce the future carbon footprint of maize under changing climate. 2023 , 188, 106714	0
41	Comparative life cycle environmental, exergetic, and economic assessment of three hydrocarbon-based ethylene production routes. 2023 , 333, 126359	0
40	Processing Coalmine Overburden Waste Rock as Replacement to Natural Sand: Environmental Sustainability Assessment. 2022 , 14, 14853	0
39	Utilization of tailings in concrete products: A review. 2022 , 360, 129574	1
38	Spatial and temporal evolution and greenhouse gas emissions of China's agricultural plastic greenhouses. 2023 , 863, 160810	0
37	Forest and Biomass Supply Chain Analysis. 2022 , 249-277	0
36	A comparative life cycle assessment of dental restorative materials. 2022 ,	0
35	Environmental sustainability assessment of large-scale hydrogen production using prospective life cycle analysis. 2022 ,	0
34	System Modelling for Collecting Life Cycle Inventory (LCI) Data in MSMEs Using a Conceptual Model for Smart Manufacturing Systems (SMSs).	0
33	The Life Cycle Assessment of the Hydroxyapatite Synthesis from Food Waste Using the Wet Precipitation Method. 938, 209-222	0
32	Integration of a circular economy metric with life cycle assessment: methodological proposal of compared agri-food products.	0
31	A comprehensive review on pyrolysis from the circular economy point of view and its environmental and social effects. 2023 , 388, 136021	0
30	Ammonia and Alternative Fuels. 2022 , 151-233	0
29	Future and challenging attributes of aeronautical nanocomposites. 2023 , 317-342	0

28	Simulation of the Environmental Impact of Industries in Smart Cities. 2023 , 102103	○
27	Environmental impacts of hydropower plants. 2023 , 73-102	○
26	List of figures. 2023 , ix-xii	○
25	Comparative Assessment of Environmental/Energy Performance under Conventional Labor and Collaborative Robot Scenarios in Greek Viticulture. 2023 , 15, 2753	○
24	Comparative life cycle assesment (LCA) and life cycle cost analysis (LCCA) of precast and cast-in-place buildings in United States. 2023 , 67, 105921	○
23	Life Cycle Assessment of Innovative Carbon Dioxide Selective Membranes from Low Carbon Emission Sources: A Comparative Study. 2023 , 13, 410	○
22	Sustainable management of food waste; pre-treatment strategies, techno-economic assessment, bibliometric analysis, and potential utilizations: A systematic review. 2023 , 225, 115558	○
21	Comparative eco-efficiency assessment of cybersecurity solutions. 2023 , 100, 107096	○
20	Environmental life cycle assessment of biomass conversion using hydrothermal technology: A review. 2023 , 246, 107747	○
19	Life cycle thinking and safe-and-sustainable-by-design approaches for the battery innovation landscape. 2023 , 26, 106060	○
18	Life-cycle greenhouse gas emission assessment for bike-sharing systems based on a rebalancing emission estimation model. 2023 , 191, 106892	○
17	References. 2023 , 215-230	○
16	Delivering Sustainable Housing through Material Choice. 2023 , 15, 3331	○
15	Research on Sustainable Furniture Design Based on Waste Textiles Recycling. 2023 , 15, 3601	○
14	Systematizing Microbial Bioplastic Production for Developing Sustainable Bioeconomy: Metabolic Nexus Modeling, Economic and Environmental Technologies Assessment.	○
13	LCA Studies on Regenerative Agriculture and Regenerative Textiles: Two Routes of Regenerative Cotton. 2023 , 29-48	○
12	Machine Learning Models of Exergoenvironmental Damages and Emissions Social Cost for Mushroom Production. 2023 , 13, 737	○
11	A model for green-resilient supplier selection: fuzzy best-worst multi-criteria decision-making method and its applications. 2023 , 30, 54035-54058	○

- 10 Sustainability in Sport-Related Studies: A Non-Systematic Review to Increase the Sports Contribution to the 2030 Agenda. **2023**, 98, 81-98
- 9 Life cycle assessment of nanocomposite manufactured using ultrasonic stir casting. **2023**, 58, 5298-5318
- 8 Analysing industrial symbiosis implementation in European cement industry: an applied life cycle assessment perspective. **2023**, 28, 516-535
- 7 Economic Efficiency of Pine Wood Processing in Furniture Production. **2023**, 14, 688
- 6 Purchases dominate the carbon footprint of research laboratories.
- 5 Integration of electronic waste management: a review of current global generation, health impact, and technologies for value recovery and its pertinent management technique.
- 4 Assessing the Feasibility of Practical Cradle to Cradle in Sustainable Conceptual Product Design. **2023**, 15, 6755
- 3 Sustainability assessment, environmental impact, and recycling strategies of biodegradable polymer nanocomposites. **2023**, 699-737
- 2 Conversion of bioenergy materials to secondary fuels. **2023**,
- 1 Life cycle assessment in aviation: A systematic literature review of applications, methodological approaches and challenges. **2023**, 110, 102418