

# Rickard Arvidsson

## List of Publications by Citations

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

55 papers	1,501 citations	23 h-index	38 g-index
59 ext. papers	1,808 ext. citations	7.2 avg, IF	5.25 L-index

#	Paper	IF	Citations
55	Environmental Assessment of Emerging Technologies: Recommendations for Prospective LCA. <i>Journal of Industrial Ecology</i> , <b>2018</b> , 22, 1286-1294	7.2	134
54	Life cycle assessment of cellulose nanofibrils production by mechanical treatment and two different pretreatment processes. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 6881-90	10.3	120
53	Challenges in Exposure Modeling of Nanoparticles in Aquatic Environments. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2011</b> , 17, 245-262	4.9	105
52	Prospective life cycle assessment of graphene production by ultrasonication and chemical reduction. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 4529-36	10.3	96
51	Life cycle assessment of hydrotreated vegetable oil from rape, oil palm and Jatropha. <i>Journal of Cleaner Production</i> , <b>2011</b> , 19, 129-137	10.3	96
50	Exploring the planetary boundary for chemical pollution. <i>Environment International</i> , <b>2015</b> , 78, 8-15	12.9	93
49	Review of Potential Environmental and Health Risks of the Nanomaterial Graphene. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2013</b> , 19, 873-887	4.9	61
48	Energy use indicators in energy and life cycle assessments of biofuels: review and recommendations. <i>Journal of Cleaner Production</i> , <b>2012</b> , 31, 54-61	10.3	60
47	Does the Production of an Airbag Injure more People than the Airbag Saves in Traffic?. <i>Journal of Industrial Ecology</i> , <b>2013</b> , 17, 517-527	7.2	44
46	Impacts of a Silver-Coated Future. <i>Journal of Industrial Ecology</i> , <b>2011</b> , 15, 844-854	7.2	41
45	Carbon nanomaterials as potential substitutes for scarce metals. <i>Journal of Cleaner Production</i> , <b>2017</b> , 156, 253-261	10.3	40
44	Energy and resource use assessment of graphene as a substitute for indium tin oxide in transparent electrodes. <i>Journal of Cleaner Production</i> , <b>2016</b> , 132, 289-297	10.3	39
43	Methodological Approaches to End-Of-Life Modelling in Life Cycle Assessments of Lithium-Ion Batteries. <i>Batteries</i> , <b>2019</b> , 5, 51	5.7	36
42	A Definition Framework for the Terms Nanomaterial and Nanoparticle. <i>NanoEthics</i> , <b>2016</b> , 10, 25-40	1	34
41	Facing complexity through informed simplifications: a research agenda for aquatic exposure assessment of nanoparticles. <i>Environmental Sciences: Processes and Impacts</i> , <b>2013</b> , 15, 161-8	4.3	34
40	A framework for energy use indicators and their reporting in life cycle assessment. <i>Integrated Environmental Assessment and Management</i> , <b>2016</b> , 12, 429-36	2.5	33
39	A probabilistic model for hydrokinetic turbine collision risks: exploring impacts on fish. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117756	3.7	30

38	Prospective Life Cycle Assessment of Epitaxial Graphene Production at Different Manufacturing Scales and Maturity. <i>Journal of Industrial Ecology</i> , <b>2017</b> , 21, 1153-1164	7.2	29
37	Particle Flow Analysis. <i>Journal of Industrial Ecology</i> , <b>2012</b> , 16, 343-351	7.2	28
36	On the scientific justification of the use of working hours, child labour and property rights in social life cycle assessment: three topical reviews. <i>International Journal of Life Cycle Assessment</i> , <b>2015</b> , 20, 161-173	4.6	27
35	Do biofuels require more water than do fossil fuels? Life cycle-based assessment of jatropha oil production in rural Mozambique. <i>Journal of Cleaner Production</i> , <b>2013</b> , 53, 176-185	10.3	25
34	A method for human health impact assessment in social LCA: lessons from three case studies. <i>International Journal of Life Cycle Assessment</i> , <b>2018</b> , 23, 690-699	4.6	24
33	Environmental life cycle assessment of cemented carbide (WC-Co) production. <i>Journal of Cleaner Production</i> , <b>2019</b> , 209, 1126-1138	10.3	24
32	Energy use and climate change improvements of Li/S batteries based on life cycle assessment. <i>Journal of Power Sources</i> , <b>2018</b> , 383, 87-92	8.9	23
31	USEtox characterisation factors for textile chemicals based on a transparent data source selection strategy. <i>International Journal of Life Cycle Assessment</i> , <b>2018</b> , 23, 890-903	4.6	20
30	Controversy over antibacterial silver: implications for environmental and sustainability assessments. <i>Journal of Cleaner Production</i> , <b>2014</b> , 68, 135-143	10.3	20
29	"Just Carbon": Ideas About Graphene Risks by Graphene Researchers and Innovation Advisors. <i>NanoEthics</i> , <b>2018</b> , 12, 199-210	1	20
28	Updated indicators of Swedish national human toxicity and ecotoxicity footprints using USEtox 2.01. <i>Environmental Impact Assessment Review</i> , <b>2017</b> , 62, 110-114	5.3	19
27	Risk Assessments Show Engineered Nanomaterials To Be of Low Environmental Concern. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 2436-2437	10.3	18
26	Proxy Measures for Simplified Environmental Assessment of Manufactured Nanomaterials. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 13670-13680	10.3	18
25	Assessing the Environmental Risks of Silver from Clothes in an Urban Area. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2014</b> , 20, 1008-1022	4.9	15
24	An inventory framework for inclusion of textile chemicals in life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , <b>2019</b> , 24, 838-847	4.6	14
23	Dissipation of tungsten and environmental release of nanoparticles from tire studs: A Swedish case study. <i>Journal of Cleaner Production</i> , <b>2019</b> , 207, 920-928	10.3	12
22	Indicators for national consumption-based accounting of chemicals. <i>Journal of Cleaner Production</i> , <b>2019</b> , 215, 1-12	10.3	11
21	Influence of natural organic matter on the aquatic ecotoxicity of engineered nanoparticles: Recommendations for environmental risk assessment. <i>NanoImpact</i> , <b>2020</b> , 20, 100263	5.6	10

20	A crustal scarcity indicator for long-term global elemental resource assessment in LCA. <i>International Journal of Life Cycle Assessment</i> , <b>2020</b> , 25, 1805-1817	4.6	10
19	Dis-Ag-reement: the construction and negotiation of risk in the Swedish controversy over antibacterial silver. <i>Journal of Risk Research</i> , <b>2015</b> , 18, 93-110	4.2	9
18	On the use of ordinal scoring scales in social life cycle assessment. <i>International Journal of Life Cycle Assessment</i> , <b>2019</b> , 24, 604-606	4.6	8
17	Environmental and health risks of nanorobots: an early review. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 2875-2886	7.1	4
16	How can LCA include prospective elements to assess emerging technologies and system transitions? The 76th LCA Discussion Forum on Life Cycle Assessment, 19 November 2020. <i>International Journal of Life Cycle Assessment</i> , <b>2021</b> , 26, 1541-1544	4.6	4
15	Environmental and resource aspects of substituting cemented carbide with polycrystalline diamond: The case of machining tools. <i>Journal of Cleaner Production</i> , <b>2020</b> , 277, 123577	10.3	3
14	Live and Let Die? Life Cycle Human Health Impacts from the Use of Tire Studs. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	3
13	Life Cycle Assessment and Risk Assessment of Manufactured Nanomaterials <b>2015</b> , 225-256		2
12	A Function-Based Approach for Life Cycle Management of Chemicals in the Textile Industry. <i>Sustainability</i> , <b>2020</b> , 12, 1273	3.6	1
11	A Swedish comment on Review: the availability of life-cycle studies in Sweden <i>International Journal of Life Cycle Assessment</i> , <b>2019</b> , 24, 1758-1759	4.6	1
10	Prospective Life-Cycle Modeling of Quantum Dot Nanoparticles for Use in Photon Upconversion Devices. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 5187-5195	8.3	1
9	The Link Between Life Cycle Inventory Analysis and Life Cycle Impact Assessment. <i>LCA Compendium</i> , <b>2021</b> , 191-204		1
8	Response to Comment on "Risk Assessments Show Engineered Nanomaterials To Be of Low Environmental Concern". <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 6725-6726	10.3	1
7	Inventory Indicators in Life Cycle Assessment. <i>LCA Compendium</i> , <b>2021</b> , 171-190		0
6	Prospective environmental risk screening of seven advanced materials based on production volumes and aquatic ecotoxicity.. <i>NanoImpact</i> , <b>2022</b> , 25, 100393	5.6	0
5	Life-cycle impact assessment methods for physical energy scarcity: considerations and suggestions. <i>International Journal of Life Cycle Assessment</i> , 1	4.6	
4	Beyond a Corporate Social Responsibility Context Towards Methodological Pluralism in Social Life Cycle Assessment: Exploring Alternative Social Theoretical Perspectives. <i>SpringerBriefs in Environmental Science</i> , <b>2020</b> , 53-64	0.5	
3	Comment on "Comparative life cycle assessment of high performance lithium-sulfur battery cathodes" <i>Journal of Cleaner Production</i> , <b>2021</b> , 300, 126999	10.3	

2 Introduction to Life Cycle Inventory Analysis *LCA Compendium*, **2021**, 1-14

1 Principles of Life Cycle Inventory Modeling: The Basic Model, Extensions, and Conventions. *LCA Compendium*, **2021**, 15-51