Rickard Arvidsson

List of Publications by Year
in descending order

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Version: 2024-02-01

59	2,154	218677	223800
papers	citations	26 h-index	46 g-index

59	59	59	2976
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Environmental Assessment of Emerging Technologies: Recommendations for Prospective LCA. Journal of Industrial Ecology, 2018, 22, 1286-1294.	5.5	272
2	Life Cycle Assessment of Cellulose Nanofibrils Production by Mechanical Treatment and Two Different Pretreatment Processes. Environmental Science & Technology, 2015, 49, 6881-6890.	10.0	152
3	Prospective Life Cycle Assessment of Graphene Production by Ultrasonication and Chemical Reduction. Environmental Science & Technology, 2014, 48, 4529-4536.	10.0	132
4	Exploring the planetary boundary for chemical pollution. Environment International, 2015, 78, 8-15.	10.0	125
5	Life cycle assessment of hydrotreated vegetable oil from rape, oil palm and Jatropha. Journal of Cleaner Production, 2011, 19, 129-137.	9.3	122
6	Challenges in Exposure Modeling of Nanoparticles in Aquatic Environments. Human and Ecological Risk Assessment (HERA), 2011, 17, 245-262.	3.4	115
7	Review of Potential Environmental and Health Risks of the Nanomaterial Graphene. Human and Ecological Risk Assessment (HERA), 2013, 19, 873-887.	3.4	78
8	Energy use indicators in energy and life cycle assessments of biofuels: review and recommendations. Journal of Cleaner Production, 2012, 31, 54-61.	9.3	69
9	Methodological Approaches to End-Of-Life Modelling in Life Cycle Assessments of Lithium-Ion Batteries. Batteries, 2019, 5, 51.	4.5	67
10	Carbon nanomaterials as potential substitutes for scarce metals. Journal of Cleaner Production, 2017, 156, 253-261.	9.3	55
11	Does the Production of an Airbag Injure more People than the Airbag Saves in Traffic?. Journal of Industrial Ecology, 2013, 17, 517-527.	5.5	53
12	Environmental life cycle assessment of cemented carbide (WC-Co) production. Journal of Cleaner Production, 2019, 209, 1126-1138.	9.3	52
13	Energy and resource use assessment of graphene as a substitute for indium tin oxide in transparent electrodes. Journal of Cleaner Production, 2016, 132, 289-297.	9.3	51
14	A framework for energy use indicators and their reporting in life cycle assessment. Integrated Environmental Assessment and Management, 2016, 12, 429-436.	2.9	48
15	A Definition Framework for the Terms Nanomaterial and Nanoparticle. NanoEthics, 2016, 10, 25-40.	0.8	47
16	Impacts of a Silver-Coated Future. Journal of Industrial Ecology, 2011, 15, 844-854.	5.5	44
17	A Probabilistic Model for Hydrokinetic Turbine Collision Risks: Exploring Impacts on Fish. PLoS ONE, 2015, 10, e0117756.	2.5	41
18	Prospective Life Cycle Assessment of Epitaxial Graphene Production at Different Manufacturing Scales and Maturity. Journal of Industrial Ecology, 2017, 21, 1153-1164.	5.5	37

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19	Facing complexity through informed simplifications: a research agenda for aquatic exposure assessment of nanoparticles. Environmental Sciences: Processes and Impacts, 2013, 15, 161-168.	3.5	35
20	Particle Flow Analysis. Journal of Industrial Ecology, 2012, 16, 343-351.	5.5	34
21	On the scientific justification of the use of working hours, child labour and property rights in social life cycle assessment: three topical reviews. International Journal of Life Cycle Assessment, 2015, 20, 161-173.	4.7	34
22	Energy use and climate change improvements of Li/S batteries based on life cycle assessment. Journal of Power Sources, 2018, 383, 87-92.	7.8	33
23	A method for human health impact assessment in social LCA: lessons from three case studies. International Journal of Life Cycle Assessment, 2018, 23, 690-699.	4.7	31
24	â€œJust Carbonâ€• Ideas About Graphene Risks by Graphene Researchers and Innovation Advisors. NanoEthics, 2018, 12, 199-210.	0.8	31
25	Proxy Measures for Simplified Environmental Assessment of Manufactured Nanomaterials. Environmental Science & Technology, 2018, 52, 13670-13680.	10.0	30
26	A crustal scarcity indicator for long-term global elemental resource assessment in LCA. International Journal of Life Cycle Assessment, 2020, 25, 1805-1817.	4.7	29
27	Do biofuels require more water than do fossil fuels? Life cycle-based assessment of jatropha oil production in rural Mozambique. Journal of Cleaner Production, 2013, 53, 176-185.	9.3	26
28	Controversy over antibacterial silver: implications for environmental and sustainability assessments. Journal of Cleaner Production, 2014, 68, 135-143.	9.3	26
29	Updated indicators of Swedish national human toxicity and ecotoxicity footprints using USEtox 2.01. Environmental Impact Assessment Review, 2017, 62, 110-114.	9.2	26
30	USEtox characterisation factors for textile chemicals based on a transparent data source selection strategy. International Journal of Life Cycle Assessment, 2018, 23, 890-903.	4.7	25
31	Risk Assessments Show Engineered Nanomaterials To Be of Low Environmental Concern. Environmental Science & Technology, 2018, 52, 2436-2437.	10.0	23
32	Influence of natural organic matter on the aquatic ecotoxicity of engineered nanoparticles: Recommendations for environmental risk assessment. NanoImpact, 2020, 20, 100263.	4.5	23
33	Dissipation of tungsten and environmental release of nanoparticles from tire studs: A Swedish case study. Journal of Cleaner Production, 2019, 207, 920-928.	9.3	21
34	An inventory framework for inclusion of textile chemicals in life cycle assessment. International Journal of Life Cycle Assessment, 2019, 24, 838-847.	4.7	20
35	Assessing the Environmental Risks of Silver from Clothes in an Urban Area. Human and Ecological Risk Assessment (HERA), 2014, 20, 1008-1022.	3.4	16
36	On the use of ordinal scoring scales in social life cycle assessment. International Journal of Life Cycle Assessment, 2019, 24, 604-606.	4.7	16

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37	Indicators for national consumption-based accounting of chemicals. Journal of Cleaner Production, 2019, 215, 1-12.	9.3	15
38	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. International Journal of Life Cycle Assessment, 2021, 26, 1541-1544.	4.7	15
39	Environmental and resource aspects of substituting cemented carbide with polycrystalline diamond: The case of machining tools. Journal of Cleaner Production, 2020, 277, 123577.	9.3	13
40	Dis-Ag-reement: the construction and negotiation of risk in the Swedish controversy over antibacterial silver. Journal of Risk Research, 2015, 18, 93-110.	2.6	11
41	Environmental and health risks of nanorobots: an early review. Environmental Science: Nano, 2020, 7, 2875-2886.	4.3	9
42	Prospective environmental risk screening of seven advanced materials based on production volumes and aquatic ecotoxicity. NanoImpact, 2022, 25, 100393.	4.5	9
43	A practiceâ€based framework for defining functional units in comparative life cycle assessments of materials. Journal of Industrial Ecology, 2022, 26, 718-730.	5.5	9
44	Nanotechnology meets circular economy. Nature Nanotechnology, 2022, 17, 682-685.	31.5	8
45	Life-cycle impact assessment methods for physical energy scarcity: considerations and suggestions. International Journal of Life Cycle Assessment, 2021, 26, 2339-2354.	4.7	7
46	Live and Let Die? Life Cycle Human Health Impacts from the Use of Tire Studs. International Journal of Environmental Research and Public Health, 2018, 15, 1774.	2.6	6
47	Life Cycle Assessment and Risk Assessment of Manufactured Nanomaterials. , 2015, , 225-256.		3
48	Prospective Life-Cycle Modeling of Quantum Dot Nanoparticles for Use in Photon Upconversion Devices. ACS Sustainable Chemistry and Engineering, 2021, 9, 5187-5195.	6.7	3
49	A Swedish comment on â€˜review: the availability of life-cycle studies in Swedenâ€™. International Journal of Life Cycle Assessment, 2019, 24, 1758-1759.	4.7	2
50	Inventory Indicators in Life Cycle Assessment. LCA Compendium, 2021, , 171-190.	0.8	2
51	Response to Comment on â€œRisk Assessments Show Engineered Nanomaterials To Be of Low Environmental Concernâ€• Environmental Science & Technology, 2018, 52, 6725-6726.	10.0	1
52	A Function-Based Approach for Life Cycle Management of Chemicals in the Textile Industry. Sustainability, 2020, 12, 1273.	3.2	1
53	The Link Between Life Cycle Inventory Analysis and Life Cycle Impact Assessment. LCA Compendium, 2021, , 191-204.	0.8	1
54	Introduction to â€œLife Cycle Inventory Analysisâ€• LCA Compendium, 2021, , 1-14.	0.8	0

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55	Principles of Life Cycle Inventory Modeling: The Basic Model, Extensions, and Conventions. LCA Compendium, 2021, , 15-51.	0.8	0
56	Comment on â€œComparative life cycle assessment of high performance lithium-sulfur battery cathodesâ€• Journal of Cleaner Production, 2021, 300, 126999.	9.3	0
57	Life Cycle Assessment (LCA). , 2015, , 1-5.		0
58	Beyond a Corporate Social Responsibility Context Towards Methodological Pluralism in Social Life Cycle Assessment: Exploring Alternative Social Theoretical Perspectives. SpringerBriefs in Environmental Science, 2020, , 53-64.	0.3	0
59	Optimal Transient Real-Time Engine-Generator Control in the Series-Hybrid Vehicle. , 2019, , .		0