Maria Ljunggren SÃ¶derman

List of Publications by Year
in descending order

26 papers	1,003 citations	516710 16 h-index	580821 25 g-index
27 all docs	27 docs citations	27 times ranked	1138 citing authors

#	Article	IF	Citations
1	Environmental impacts of hybrid, plug-in hybrid, and battery electric vehiclesâ€”what can we learn from life cycle assessment?. International Journal of Life Cycle Assessment, 2014, 19, 1866-1890.	4.7	364
2	Are scarce metals in cars functionally recycled?. Waste Management, 2017, 60, 407-416.	7.4	71
3	Policy Instruments towards a Sustainable Waste Management. Sustainability, 2013, 5, 841-881.	3.2	53
4	Economic and environmental optimization of waste treatment. Waste Management, 2015, 38, 486-495.	7.4	47
5	Challenges when performing economic optimization of waste treatment: A review. Waste Management, 2013, 33, 1918-1925.	7.4	42
6	Resource and environmental impacts of using second-hand laptop computers: A case study of commercial reuse. Waste Management, 2019, 88, 268-279.	7.4	40
7	Challenges of recycling multiple scarce metals: The case of Swedish ELV and WEEE recycling. Resources Policy, 2019, 63, 101403.	9.6	37
8	Recovering energy from waste in Swedenâ€”a systems engineering study. Resources, Conservation and Recycling, 2003, 38, 89-121.	10.8	35
9	Modelling national solid waste management. Waste Management and Research, 2000, 18, 525-537.	3.9	33
10	Environmental Assessment of Possible Future Waste Management Scenarios. Energies, 2017, 10, 247.	3.1	32
11	How product characteristics can guide measures for resource efficiency â€” A synthesis of assessment studies. Resources, Conservation and Recycling, 2020, 154, 104582.	10.8	29
12	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
13	A scalable life cycle inventory of an automotive power electronic inverter unitâ€”part I: design and composition. International Journal of Life Cycle Assessment, 2019, 24, 78-92.	4.7	28
14	Mapping and testing circular economy product-level indicators: A critical review. Resources, Conservation and Recycling, 2022, 178, 106080.	10.8	25
15	ProSUM: Prospecting secondary Raw Materials in the Urban Mine and Mining Wastes. , 2016, , .		19
16	Including indirect environmental impacts in waste management planning. Resources, Conservation and Recycling, 2003, 38, 213-241.	10.8	18
17	What if everyone becomes a sharer? A quantification of the environmental impact of access-based consumption for household laundry activities. Resources, Conservation and Recycling, 2020, 158, 104780.	10.8	18
18	The economic value of imports of combustible waste in systems with high shares of district heating and variable renewable energy. Waste Management, 2018, 79, 324-338.	7.4	16

#	Article	IF	Citations
19	Lessons from a century of innovating car recycling value chains. Environmental Innovation and Societal Transitions, 2017, 25, 142-157.	5.5	13
20	Adoption of Systemic and Socio-Technical Perspectives in Waste Management, WEEE and ELV Research. Sustainability, 2019, 11, 1677.	3.2	13
21	Integrated Economic and Environmental Assessment of Waste Policy Instruments. Sustainability, 2016, 8, 411.	3.2	12
22	Effects of circular measures on scarce metals in complex products â€“ Case studies of electrical and electronic equipment. Resources, Conservation and Recycling, 2019, 151, 104464.	10.8	10
23	Short and long-term mineral resource scarcity impacts for a car manufacturer: The case of electric traction motors. Journal of Cleaner Production, 2022, 361, 132140.	9.3	7
24	Modelling national solid waste management. Waste Management and Research, 2000, 18, 525-537.	3.9	4
25	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
26	Circular economy as a means to efficient use of scarce metals?. , 2016, , .		0