

# Sverker Molander

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6741325/publications.pdf>

Version: 2024-02-01

68  
papers

3,207  
citations

147566

31  
h-index

161609

54  
g-index

71  
all docs

71  
docs citations

71  
times ranked

4019  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental Assessment of Emerging Technologies: Recommendations for Prospective LCA. Journal of Industrial Ecology, 2018, 22, 1286-1294.	2.8	272
2	Life Cycle Assessment of Wastewater Systems: Influence of System Boundaries and Scale on Calculated Environmental Loads. Environmental Science & Technology, 2000, 34, 180-186.	4.6	258
3	Including Carbon Emissions from Deforestation in the Carbon Footprint of Brazilian Beef. Environmental Science & Technology, 2011, 45, 1773-1779.	4.6	181
4	Pollution-Induced Community Tolerance – A New Ecotoxicological Tool. , 1988, , 219-230.		165
5	Prospective Life Cycle Assessment of Graphene Production by Ultrasonication and Chemical Reduction. Environmental Science & Technology, 2014, 48, 4529-4536.	4.6	132
6	Normative ethics and methodology for life cycle assessment. Journal of Cleaner Production, 2005, 13, 1225-1234.	4.6	131
7	Exploring the planetary boundary for chemical pollution. Environment International, 2015, 78, 8-15.	4.8	125
8	Challenges in Exposure Modeling of Nanoparticles in Aquatic Environments. Human and Ecological Risk Assessment (HERA), 2011, 17, 245-262.	1.7	115
9	Sustainable development indicators for wastewater systems – researchers and indicator users in a co-operative case study. Resources, Conservation and Recycling, 2005, 43, 293-311.	5.3	93
10	Expanding the concept of sustainable seafood using Life Cycle Assessment. Fish and Fisheries, 2016, 17, 1073-1093.	2.7	82
11	Review of Potential Environmental and Health Risks of the Nanomaterial Graphene. Human and Ecological Risk Assessment (HERA), 2013, 19, 873-887.	1.7	78
12	Detection of pollution-induced community tolerance (PICT) in marine periphyton communities established under diuron exposure. Aquatic Toxicology, 1992, 22, 129-143.	1.9	77
13	Energy use indicators in energy and life cycle assessments of biofuels: review and recommendations. Journal of Cleaner Production, 2012, 31, 54-61.	4.6	69
14	Bringing Technology into Social-Ecological Systems Research – Motivations for a Socio-Technical-Ecological Systems Approach. Sustainability, 2019, 11, 2009.	1.6	69
15	Renewable ocean energy in the Western Indian Ocean. Renewable and Sustainable Energy Reviews, 2012, 16, 4938-4950.	8.2	61
16	Review of Environmental Assessment Case Studies Blending Elements of Risk Assessment and Life Cycle Assessment. Environmental Science & Technology, 2015, 49, 13083-13093.	4.6	56
17	Regional Risk Assessment of a Brazilian Rain Forest Reserve. Human and Ecological Risk Assessment (HERA), 2002, 8, 1779-1803.	1.7	54
18	Environmental life cycle assessment of cemented carbide (WC-Co) production. Journal of Cleaner Production, 2019, 209, 1126-1138.	4.6	52

#	ARTICLE	IF	CITATIONS
19	Energy and resource use assessment of graphene as a substitute for indium tin oxide in transparent electrodes. <i>Journal of Cleaner Production</i> , 2016, 132, 289-297.	4.6	51
20	Hydrokinetic Turbine Effects on Fish Swimming Behaviour. <i>PLoS ONE</i> , 2013, 8, e84141.	1.1	48
21	Impacts of a Silver-Coated Future. <i>Journal of Industrial Ecology</i> , 2011, 15, 844-854.	2.8	44
22	A Probabilistic Model for Hydrokinetic Turbine Collision Risks: Exploring Impacts on Fish. <i>PLoS ONE</i> , 2015, 10, e0117756.	1.1	41
23	Stream fish communities and their associations to habitat variables in a rain forest reserve in southeastern Brazil. <i>Environmental Biology of Fishes</i> , 2004, 71, 321-340.	0.4	40
24	Cumulative impact assessment for ecosystem-based marine spatial planning. <i>Science of the Total Environment</i> , 2020, 734, 139024.	3.9	40
25	Combined effects of tri-n-butyl tin (TBT) and diuron on marine periphyton communities detected as pollution-induced community tolerance. <i>Archives of Environmental Contamination and Toxicology</i> , 1992, 22, 419-427.	2.1	38
26	Introducing ocean energy industries to a busy marine environment. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 74, 178-185.	8.2	37
27	Prospective Life Cycle Assessment of Epitaxial Graphene Production at Different Manufacturing Scales and Maturity. <i>Journal of Industrial Ecology</i> , 2017, 21, 1153-1164.	2.8	37
28	Assessing ecological risks of offshore wind power on Kattegat cod. <i>Renewable Energy</i> , 2014, 66, 414-424.	4.3	36
29	OMNIITOX - operational life-cycle impact assessment models and information tools for practitioners. <i>International Journal of Life Cycle Assessment</i> , 2004, 9, 282.	2.2	35
30	Facing complexity through informed simplifications: a research agenda for aquatic exposure assessment of nanoparticles. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 161-168.	1.7	35
31	Particle Flow Analysis. <i>Journal of Industrial Ecology</i> , 2012, 16, 343-351.	2.8	34
32	A Procedure for Ecological Tiered Assessment of Risks (PETAR). <i>Human and Ecological Risk Assessment (HERA)</i> , 2004, 10, 349-371.	1.7	33
33	A set of indicators for the assessment of temporal variations in the sustainability of sanitary systems. <i>Water Science and Technology</i> , 1999, 39, 235.	1.2	32
34	Linking household and productive use of electricity with mini-grid dimensioning and operation. <i>Energy for Sustainable Development</i> , 2021, 60, 82-89.	2.0	32
35	Proxy Measures for Simplified Environmental Assessment of Manufactured Nanomaterials. <i>Environmental Science &amp; Technology</i> , 2018, 52, 13670-13680.	4.6	30
36	The Effect of TBT on the Structure of a Marine Sediment Community – a Boxcosm Study. <i>Marine Pollution Bulletin</i> , 2001, 42, 689-695.	2.3	29

#	ARTICLE	IF	CITATIONS
37	Benthic Foraminiferal Tolerance to Tri-n-Butyltin (TBT) Pollution in an Experimental Mesocosm. <i>Marine Pollution Bulletin</i> , 2000, 40, 1072-1075.	2.3	28
38	Reframing human excreta management as part of food and farming systems. <i>Water Research</i> , 2020, 175, 115601.	5.3	28
39	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> , 2013, 53, 176-185.	4.6	26
40	Updated indicators of Swedish national human toxicity and ecotoxicity footprints using USEtox 2.01. <i>Environmental Impact Assessment Review</i> , 2017, 62, 110-114.	4.4	26
41	Including pathogen risk in life cycle assessment: the effect of modelling choices in the context of sewage sludge management. <i>International Journal of Life Cycle Assessment</i> , 2016, 21, 60-69.	2.2	25
42	Establishing Causality between Exposure to Metals and Effects on Fish. <i>Human and Ecological Risk Assessment (HERA)</i> , 2003, 9, 149-169.	1.7	24
43	Handling chemical risk information in international textile supply chains. <i>Journal of Environmental Planning and Management</i> , 2013, 56, 345-361.	2.4	23
44	Coreâ€Shell Nanoplasmonic Sensing for Characterization of Biocorona Formation and Nanoparticle Surface Interactions. <i>ACS Sensors</i> , 2016, 1, 798-806.	4.0	23
45	Estimating human toxicity potential of land application of sewage sludge: the effect of modelling choices. <i>International Journal of Life Cycle Assessment</i> , 2017, 22, 731-743.	2.2	23
46	Toxicity assessment by pollution-induced community tolerance (PICT), and identification of metabolites in periphyton communities after exposure to 4,5,6-trichloroguaiacol. <i>Aquatic Toxicology</i> , 1990, 18, 115-136.	1.9	22
47	Dissipation of tungsten and environmental release of nanoparticles from tire studs: A Swedish case study. <i>Journal of Cleaner Production</i> , 2019, 207, 920-928.	4.6	21
48	Bringing science and pragmatism together a tiered approach for modelling toxicological impacts in LCA. <i>International Journal of Life Cycle Assessment</i> , 2004, 9, 320.	2.2	18
49	An approach for handling geographical information in life cycle assessment using a relational database. <i>Journal of Hazardous Materials</i> , 1998, 61, 67-75.	6.5	17
50	Assessing the Environmental Risks of Silver from Clothes in an Urban Area. <i>Human and Ecological Risk Assessment (HERA)</i> , 2014, 20, 1008-1022.	1.7	16
51	Influence of interventions and internal motivation on Swedish homeownersâ€™ change of on-site sewage systems. <i>Resources, Conservation and Recycling</i> , 2013, 76, 27-40.	5.3	13
52	Pesticide Residues in Rivers of a Brazilian Rain Forest Reserve: Assessing Potential Concern for Effects on Aquatic Life and Human Health. <i>Ambio</i> , 2003, 32, 258-263.	2.8	12
53	Simplified site-screening method for micro tidal current turbines applied in Mozambique. <i>Renewable Energy</i> , 2012, 44, 414-422.	4.3	11
54	Dis-Ag-reement: the construction and negotiation of risk in the Swedish controversy over antibacterial silver. <i>Journal of Risk Research</i> , 2015, 18, 93-110.	1.4	11

#	ARTICLE	IF	CITATIONS
55	A tool for simulating collision probabilities of animals with marine renewable energy devices. PLoS ONE, 2017, 12, e0188780.	1.1	11
56	Long-term effects of tri-n-butyl-tin on the function of a marine sediment system. Marine Ecology - Progress Series, 1999, 188, 1-11.	0.9	10
57	Assessment of load profiles in minigrids: A case in Tanzania. , 2015, , .		9
58	On the Relationship between Pro-Environmental Behavior, Experienced Monetary Costs, and Psychological Gains. Sustainability, 2019, 11, 5467.	1.6	9
59	A practiceâ€based framework for defining functional units in comparative life cycle assessments of materials. Journal of Industrial Ecology, 2022, 26, 718-730.	2.8	9
60	Tackling complexity and problem formulation in rural electrification through conceptual modelling in system dynamics. Systems Research and Behavioral Science, 2020, 37, 141-153.	0.9	8
61	Life Cycle Assessment of Electricity Generation from an Array of Subsea Tidal Kite Prototypes. Energies, 2020, 13, 456.	1.6	8
62	Estimating the release of chemical substances from consumer products, textiles and pharmaceuticals to wastewater. Chemosphere, 2022, 287, 131854.	4.2	8
63	Verification of a benthic boxcosm system with potential for extrapolating experimental results to the field. Journal of Experimental Marine Biology and Ecology, 2007, 353, 265-278.	0.7	7
64	Comparative analysis using EIA for developed and developing countries: case studies of hydroelectric power plants in Pakistan, Norway and Sweden. International Journal of Sustainable Development and World Ecology, 2011, 18, 134-142.	3.2	6
65	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.	1.2	6
66	Flows of Chemical Risk Information in the Consumer Paint Product Chain. Journal of Industrial Ecology, 2013, 17, 310-320.	2.8	3
67	On-Site Sewage Systems from Good to Bad toâ€? Swedish Experiences with Institutional Change and Technological Dependencies 1900 to 2010. Sustainability, 2013, 5, 4706-4727.	1.6	2
68	Establishing Conservation Priorities in a Rain Forest Reserve in Brazil. , 2004, , 179-194.		0