

Sverker Molander

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.

69
papers

2,393
citations

28
h-index

47
g-index

70
ext. papers

2,769
ext. citations

6.7
avg, IF

5.09
L-index

#	Paper	IF	Citations
69	Life Cycle Assessment of Wastewater Systems: Influence of System Boundaries and Scale on Calculated Environmental Loads. <i>Environmental Science & Technology</i> , 2000 , 34, 180-186	10.3	218
68	Including carbon emissions from deforestation in the carbon footprint of Brazilian beef. <i>Environmental Science & Technology</i> , 2011 , 45, 1773-9	10.3	149
67	Environmental Assessment of Emerging Technologies: Recommendations for Prospective LCA. <i>Journal of Industrial Ecology</i> , 2018 , 22, 1286-1294	7.2	134
66	Pollution-Induced Community Tolerance: A New Ecotoxicological Tool		119
65	Normative ethics and methodology for life cycle assessment. <i>Journal of Cleaner Production</i> , 2005 , 13, 1225-1234	10.3	110
64	Challenges in Exposure Modeling of Nanoparticles in Aquatic Environments. <i>Human and Ecological Risk Assessment (HERA)</i> , 2011 , 17, 245-262	4.9	105
63	Prospective life cycle assessment of graphene production by ultrasonication and chemical reduction. <i>Environmental Science & Technology</i> , 2014 , 48, 4529-36	10.3	96
62	Exploring the planetary boundary for chemical pollution. <i>Environment International</i> , 2015 , 78, 8-15	12.9	93
61	Sustainable development indicators for wastewater systems: Researchers and indicator users in a co-operative case study. <i>Resources, Conservation and Recycling</i> , 2005 , 43, 293-311	11.9	78
60	Detection of pollution-induced community tolerance (PICT) in marine periphyton communities established under diuron exposure. <i>Aquatic Toxicology</i> , 1992 , 22, 129-143	5.1	72
59	Review of Potential Environmental and Health Risks of the Nanomaterial Graphene. <i>Human and Ecological Risk Assessment (HERA)</i> , 2013 , 19, 873-887	4.9	61
58	Energy use indicators in energy and life cycle assessments of biofuels: review and recommendations. <i>Journal of Cleaner Production</i> , 2012 , 31, 54-61	10.3	60
57	Expanding the concept of sustainable seafood using Life Cycle Assessment. <i>Fish and Fisheries</i> , 2016 , 17, 1073-1093	6	56
56	Regional Risk Assessment of a Brazilian Rain Forest Reserve. <i>Human and Ecological Risk Assessment (HERA)</i> , 2002 , 8, 1779-1803	4.9	50
55	Renewable ocean energy in the Western Indian Ocean. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 4938-4950	16.2	47
54	Review of Environmental Assessment Case Studies Blending Elements of Risk Assessment and Life Cycle Assessment. <i>Environmental Science & Technology</i> , 2015 , 49, 13083-93	10.3	45
53	Impacts of a Silver-Coated Future. <i>Journal of Industrial Ecology</i> , 2011 , 15, 844-854	7.2	41

52	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	10.3	39
51	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	3.2	36
50	Bringing Technology into Social-Ecological Systems Research Motivations for a Socio-Technical-Ecological Systems Approach. <i>Sustainability</i> , 2019 , 11, 2009	3.6	35
49	Facing complexity through informed simplifications: a research agenda for aquatic exposure assessment of nanoparticles. <i>Environmental Sciences: Processes and Impacts</i> , 2013 , 15, 161-8	4.3	34
48	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	1.6	34
47	Hydrokinetic turbine effects on fish swimming behaviour. <i>PLoS ONE</i> , 2013 , 8, e84141	3.7	32
46	OMNIITOX - operational life-cycle impact assessment models and information tools for practitioners. <i>International Journal of Life Cycle Assessment</i> , 2004 , 9, 282	4.6	30
45	A probabilistic model for hydrokinetic turbine collision risks: exploring impacts on fish. <i>PLoS ONE</i> , 2015 , 10, e0117756	3.7	30
44	Prospective Life Cycle Assessment of Epitaxial Graphene Production at Different Manufacturing Scales and Maturity. <i>Journal of Industrial Ecology</i> , 2017 , 21, 1153-1164	7.2	29
43	Particle Flow Analysis. <i>Journal of Industrial Ecology</i> , 2012 , 16, 343-351	7.2	28
42	Assessing ecological risks of offshore wind power on Kattegat cod. <i>Renewable Energy</i> , 2014 , 66, 414-424	8.1	28
41	Introducing ocean energy industries to a busy marine environment. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 74, 178-185	16.2	27
40	A Procedure for Ecological Tiered Assessment of Risks (PETAR). <i>Human and Ecological Risk Assessment (HERA)</i> , 2004 , 10, 349-371	4.9	26
39	The effect of TBT on the structure of a marine sediment community--a Boxcosm study. <i>Marine Pollution Bulletin</i> , 2001 , 42, 689-95	6.7	26
38	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	2.2	26
37	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	10.3	25
36	Environmental life cycle assessment of cemented carbide (WC-Co) production. <i>Journal of Cleaner Production</i> , 2019 , 209, 1126-1138	10.3	24
35	Benthic Foraminiferal Tolerance to Tri-n-Butyltin (TBT) Pollution in an Experimental Mesocosm. <i>Marine Pollution Bulletin</i> , 2000 , 40, 1072-1075	6.7	22

34	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	4.6	21
33	Handling chemical risk information in international textile supply chains. <i>Journal of Environmental Planning and Management</i> , 2013 , 56, 345-361	2.8	20
32	Establishing Causality between Exposure to Metals and Effects on Fish. <i>Human and Ecological Risk Assessment (HERA)</i> , 2003 , 9, 149-169	4.9	20
31	CoreShell Nanoplasmonic Sensing for Characterization of Biocorona Formation and Nanoparticle Surface Interactions. <i>ACS Sensors</i> , 2016 , 1, 798-806	9.2	20
30	Updated indicators of Swedish national human toxicity and ecotoxicity footprints using USEtox 2.01. <i>Environmental Impact Assessment Review</i> , 2017 , 62, 110-114	5.3	19
29	Proxy Measures for Simplified Environmental Assessment of Manufactured Nanomaterials. <i>Environmental Science & Technology</i> , 2018 , 52, 13670-13680	10.3	18
28	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	4.6	17
27	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	5.1	17
26	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	4.6	15
25	Assessing the Environmental Risks of Silver from Clothes in an Urban Area. <i>Human and Ecological Risk Assessment (HERA)</i> , 2014 , 20, 1008-1022	4.9	15
24	Reframing human excreta management as part of food and farming systems. <i>Water Research</i> , 2020 , 175, 115601	12.5	13
23	An approach for handling geographical information in life cycle assessment using a relational database. <i>Journal of Hazardous Materials</i> , 1998 , 61, 67-75	12.8	13
22	Cumulative impact assessment for ecosystem-based marine spatial planning. <i>Science of the Total Environment</i> , 2020 , 734, 139024	10.2	12
21	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	10.3	12
20	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, 258-63	6.5	11
19	Influence of interventions and internal motivation on Swedish homeowners' change of on-site sewage systems. <i>Resources, Conservation and Recycling</i> , 2013 , 76, 27-40	11.9	10
18	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	4.2	9
17	Simplified site-screening method for micro tidal current turbines applied in Mozambique. <i>Renewable Energy</i> , 2012 , 44, 414-422	8.1	9

16	A tool for simulating collision probabilities of animals with marine renewable energy devices. <i>PLoS ONE</i> , 2017 , 12, e0188780	3.7	8
15	Long-term effects of tri-n-butyl-tin on the function of a marine sediment system. <i>Marine Ecology - Progress Series</i> , 1999 , 188, 1-11	2.6	7
14	Linking household and productive use of electricity with mini-grid dimensioning and operation. <i>Energy for Sustainable Development</i> , 2021 , 60, 82-89	5.4	7
13	Comparative analysis using EIA for developed and developing countries: case studies of hydroelectric power plants in Pakistan, Norway and Sweden. <i>International Journal of Sustainable Development and World Ecology</i> , 2011 , 18, 134-142	3.8	6
12	Verification of a benthic boxcosm system with potential for extrapolating experimental results to the field. <i>Journal of Experimental Marine Biology and Ecology</i> , 2007 , 353, 265-278	2.1	6
11	On the Relationship between Pro-Environmental Behavior, Experienced Monetary Costs, and Psychological Gains. <i>Sustainability</i> , 2019 , 11, 5467	3.6	4
10	Assessment of load profiles in minigrids: A case in Tanzania 2015 ,		3
9	Flows of Chemical Risk Information in the Consumer Paint Product Chain. <i>Journal of Industrial Ecology</i> , 2013 , 17, 310-320	7.2	3
8	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> , 2018 , 15,	4.6	3
7	Life Cycle Assessment of Electricity Generation from an Array of Subsea Tidal Kite Prototypes. <i>Energies</i> , 2020 , 13, 456	3.1	2
6	On-Site Sewage Systems from Good to Bad to Swedish Experiences with Institutional Change and Technological Dependencies 1900 to 2010. <i>Sustainability</i> , 2013 , 5, 4706-4727	3.6	2
5	Emissions of Additives from Plastics in the Societal Material Stock: A Case Study for Sweden. <i>Handbook of Environmental Chemistry</i> , 2011 , 253-264	0.8	2
4	Tackling complexity and problem formulation in rural electrification through conceptual modelling in system dynamics. <i>Systems Research and Behavioral Science</i> , 2020 , 37, 141-153	1.8	2
3	Estimating the release of chemical substances from consumer products, textiles and pharmaceuticals to wastewater. <i>Chemosphere</i> , 2022 , 287, 131854	8.4	2
2	Linking Regional and Local Risk Assessment 2010 , 121-141		
1	Establishing Conservation Priorities in a Rain Forest Reserve in Brazil 2004 , 179-194		