

Claudia Som

List of Publications by Year in descending order

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42
papers

2,859
citations

218592

26
h-index

276775

41
g-index

43
all docs

43
docs citations

43
times ranked

3966
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying the potential for circularity of industrial textile waste generated within Swiss companies. Resources, Conservation and Recycling, 2022, 182, 106132.	5.3	16
2	Material flow analysis of single-use plastics in healthcare: A case study of a surgical hospital in Germany. Resources, Conservation and Recycling, 2022, 185, 106425.	5.3	5
3	Factors Allowing Users to Influence the Environmental Performance of Their T-Shirt. Sustainability, 2021, 13, 2498.	1.6	13
4	Environmental Consequences of Closing the Textile Loop—Life Cycle Assessment of a Circular Polyester Jacket. Applied Sciences (Switzerland), 2021, 11, 2964.	1.3	17
5	Bio-Based Polyester Fiber Substitutes: From GWP to a More Comprehensive Environmental Analysis. Applied Sciences (Switzerland), 2021, 11, 2993.	1.3	13
6	How Relevant Are Direct Emissions of Microplastics into Freshwater from an LCA Perspective?. Sustainability, 2021, 13, 9922.	1.6	10
7	Human hazard potential of nanocellulose: quantitative insights from the literature. Nanotoxicology, 2020, 14, 1241-1257.	1.6	41
8	Cotton and Surgical Masks—What Ecological Factors Are Relevant for Their Sustainability?. Sustainability, 2020, 12, 10245.	1.6	32
9	Editorial: Polymeric Nano-Biomaterials for Medical Applications: Advancements in Developing and Implementation Considering Safety-by-Design Concepts. Frontiers in Bioengineering and Biotechnology, 2020, 8, 599950.	2.0	5
10	Chitosan Nanoparticles: Shedding Light on Immunotoxicity and Hemocompatibility. Frontiers in Bioengineering and Biotechnology, 2020, 8, 100.	2.0	57
11	How the Lack of Chitosan Characterization Precludes Implementation of the Safe-by-Design Concept. Frontiers in Bioengineering and Biotechnology, 2020, 8, 165.	2.0	31
12	A Methodological Safe-by-Design Approach for the Development of Nanomedicines. Frontiers in Bioengineering and Biotechnology, 2020, 8, 258.	2.0	44
13	Prospective environmental risk assessment of nanocellulose for Europe. Environmental Science: Nano, 2019, 6, 2520-2531.	2.2	21
14	Computational Assessment of the Pharmacological Profiles of Degradation Products of Chitosan. Frontiers in Bioengineering and Biotechnology, 2019, 7, 214.	2.0	35
15	Hazard Assessment of Polymeric Nanobiomaterials for Drug Delivery: What Can We Learn From Literature So Far. Frontiers in Bioengineering and Biotechnology, 2019, 7, 261.	2.0	62
16	Molecular Modeling for Nanomaterial—Biology Interactions: Opportunities, Challenges, and Perspectives. Frontiers in Bioengineering and Biotechnology, 2019, 7, 268.	2.0	55
17	Transparenz normativer Orientierungen in partizipativen TA-Projekten. TATuP - Zeitschrift für Technikfolgenabschätzung in Theorie Und Praxis, 2019, 28, 58-64.	0.2	1
18	Eco-Efficient Process Improvement at the Early Development Stage: Identifying Environmental and Economic Process Hotspots for Synergetic Improvement Potential. Environmental Science & Technology, 2018, 52, 5959-5967.	4.6	11

#	ARTICLE	IF	CITATIONS
19	Predicting the environmental impact of a future nanocellulose production at industrial scale: Application of the life cycle assessment scale-up framework. <i>Journal of Cleaner Production</i> , 2018, 174, 283-295.	4.6	132
20	Digging below the surface: the hidden quality of the OECD nanosilver dossier. <i>Environmental Science: Nano</i> , 2017, 4, 1209-1215.	2.2	3
21	From laboratory to industrial scale: a scale-up framework for chemical processes in life cycle assessment studies. <i>Journal of Cleaner Production</i> , 2016, 135, 1085-1097.	4.6	325
22	LICARA nanoSCAN - A tool for the self-assessment of benefits and risks of nanoproducts. <i>Environment International</i> , 2016, 91, 150-160.	4.8	53
23	Probabilistic environmental risk assessment of five nanomaterials (nano-TiO ₂ , nano-Ag, Tj ETQq1 1 0.784314 rgBT /Overlo	1.6	183
24	Multi-perspective application selection: a method to identify sustainable applications for new materials using the example of cellulose nanofiber reinforced composites. <i>Journal of Cleaner Production</i> , 2016, 112, 1199-1210.	4.6	24
25	Nanoparticles in facade coatings: a survey of industrial experts on functional and environmental benefits and challenges. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	18
26	Life cycle assessment of facade coating systems containing manufactured nanomaterials. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	66
27	Life Cycle Assessment of a New Technology To Extract, Functionalize and Orient Cellulose Nanofibers from Food Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1047-1055.	3.2	69
28	Risk preventative innovation strategies for emerging technologies the cases of nano-textiles and smart textiles. <i>Technovation</i> , 2014, 34, 420-430.	4.2	60
29	Toward the Development of Decision Supporting Tools That Can Be Used for Safe Production and Use of Nanomaterials. <i>Accounts of Chemical Research</i> , 2013, 46, 863-872.	7.6	54
30	Release of ultrafine particles from three simulated building processes. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	38
31	Environmental and health effects of nanomaterials in nanotextiles and facade coatings. <i>Environment International</i> , 2011, 37, 1131-1142.	4.8	209
32	The importance of life cycle concepts for the development of safe nanoproducts. <i>Toxicology</i> , 2010, 269, 160-169.	2.0	221
33	The Precautionary Principle as a Framework for a Sustainable Information Society. <i>Journal of Business Ethics</i> , 2009, 85, 493-505.	3.7	31
34	Studying the potential release of carbon nanotubes throughout the application life cycle. <i>Journal of Cleaner Production</i> , 2008, 16, 927-937.	4.6	319
35	Environmental and Health Implications of Nanotechnology "Have Innovators Learned the Lessons from Past Experiences?. <i>Human and Ecological Risk Assessment (HERA)</i> , 2008, 14, 512-531.	1.7	34
36	Reviewing the environmental and human health knowledge base of carbon nanotubes. <i>Ciencia E Saude Coletiva</i> , 2008, 13, 441-452.	0.1	39

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37	Reviewing the Environmental and Human Health Knowledge Base of Carbon Nanotubes. Environmental Health Perspectives, 2007, 115, 1125-1131.	2.8	364
38	Smart labels in municipal solid waste – a case for the Precautionary Principle?. Environmental Impact Assessment Review, 2005, 25, 567-586.	4.4	52
39	Effects of pervasive computing on sustainable development. IEEE Technology and Society Magazine, 2005, 24, 15-23.	0.6	15
40	Impacts of Future Information and Communication Technologies on Society and Environment. Dealing with Uncertainty in Prospective Technological Studies. , 2005, , 205-210.		0
41	The Precautionary Principle in the Information Society. Human and Ecological Risk Assessment (HERA), 2004, 10, 787-799.	1.7	25
42	Assessing the Human, Social, and Environmental Risks of Pervasive Computing. Human and Ecological Risk Assessment (HERA), 2004, 10, 853-874.	1.7	55