Carolin VÃ¶lker

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3836965/publications.pdf

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22	2,289	430874	677142
papers	citations	18 h-index	22 g-index

23	23	23	2752
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plastics of the Future? The Impact of Biodegradable Polymers on the Environment and on Society. Angewandte Chemie - International Edition, 2019, 58, 50-62.	13.8	898
2	Benchmarking the in Vitro Toxicity and Chemical Composition of Plastic Consumer Products. Environmental Science & Technology, 2019, 53, 11467-11477.	10.0	219
3	What are the drivers of microplastic toxicity? Comparing the toxicity of plastic chemicals and particles to Daphnia magna. Environmental Pollution, 2020, 267, 115392.	7.5	191
4	Are bioplastics and plant-based materials safer than conventional plastics? In vitro toxicity and chemical composition. Environment International, 2020, 145, 106066.	10.0	166
5	Seawaterâ€Degradable Polymersâ€”Fighting the Marine Plastic Pollution. Advanced Science, 2021, 8, 2001121.	11.2	157
6	Plastic Products Leach Chemicals That Induce In Vitro Toxicity under Realistic Use Conditions. Environmental Science & Technology, 2021, 55, 11814-11823.	10.0	97
7	Comparative Toxicity Assessment of Nanosilver on Three Daphnia Species in Acute, Chronic and Multi-Generation Experiments. PLoS ONE, 2013, 8, e75026.	2.5	97
8	Long-term effects of nanoscaled titanium dioxide on the cladoceran Daphnia magna over six generations. Environmental Pollution, 2014, 186, 180-186.	7.5	60
9	On the Creation of Risk: Framing of Microplastics Risks in Science and Media. Global Challenges, 2020, 4, 1900010.	3.6	56
10	Superficial or Substantial: Why Care about Microplastics in the Anthropocene?. Environmental Science & Technology, 2018, 52, 3336-3337.	10.0	52
11	Toxicity of silver nanoparticles and ionic silver: Comparison of adverse effects and potential toxicity mechanisms in the freshwater clamSphaerium corneum. Nanotoxicology, 2015, 9, 677-685.	3.0	50
12	The Biological Effects and Possible Modes of Action of Nanosilver. Reviews of Environmental Contamination and Toxicology, 2013, 223, 81-106.	1.3	48
13	Risk posed by microplastics: Scientific evidence and public perception. Current Opinion in Green and Sustainable Chemistry, 2021, 29, 100467.	5.9	35
14	Combined effects of silver nanoparticles and 17Î±-ethinylestradiol on the freshwater mudsnail Potamopyrgus antipodarum. Environmental Science and Pollution Research, 2014, 21, 10661-10670.	5.3	34
15	Using FTIRS as pre-screening method for detection of microplastic in bulk sediment samples. Science of the Total Environment, 2019, 689, 341-346.	8.0	23
16	Explaining risk perception of microplastics: Results from a representative survey in Germany. Global Environmental Change, 2022, 73, 102485.	7.8	22
17	Building Capacities for Transdisciplinary Research: Challenges and Recommendations for Early-Career Researchers. Gaia, 2018, 27, 379-386.	0.7	20
18	Understanding the Risks of Microplastics: A Social-Ecological Risk Perspective. Handbook of Environmental Chemistry, 2018, , 223-237.	0.4	19

#	Article	IF	Citations
19	Seawaterâ€Ðegradable Polymers: Seawaterâ€Ðegradable Polymersâ€"Fighting the Marine Plastic Pollution (Adv. Sci. 1/2021). Advanced Science, 2021, 8, 2170004.	11.2	18
20	Sozial-Ã¶kologische Gestaltung im AnthropozÃn. Gaia, 2020, 29, 93-97.	0.7	13
21	More Than a Potential Hazardâ€"Approaching Risks from a Social-Ecological Perspective. Sustainability, 2017, 9, 1039.	3.2	12
22	Wie ist ein nachhaltiger Umgang mit Plastik mÃ¶glich?. , 2021, , 175-195.		0