

Henning Wigger

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

600
citations

840119

11
h-index

940134

16
g-index

19
all docs

19
docs citations

19
times ranked

1052
citing authors

#	ARTICLE	IF	CITATIONS
1	Risks, Release and Concentrations of Engineered Nanomaterial in the Environment. Scientific Reports, 2018, 8, 1565.	1.6	306
2	Influences of use activities and waste management on environmental releases of engineered nanomaterials. Science of the Total Environment, 2015, 535, 160-171.	3.9	63
3	Exposure and Possible Risks of Engineered Nanomaterials in the Environment – Current Knowledge and Directions for the Future. Reviews of Geophysics, 2020, 58, e2020RG000710.	9.0	44
4	Redefining environmental nanomaterial flows: consequences of the regulatory nanomaterial definition on the results of environmental exposure models. Environmental Science: Nano, 2018, 5, 1372-1385.	2.2	31
5	Intrinsically green iron oxide nanoparticles? From synthesis via (eco-)toxicology to scenario modelling. Nanoscale, 2013, 5, 1034-1046.	2.8	24
6	Evaluating environmental risk assessment models for nanomaterials according to requirements along the product innovation Stage-Gate process. Environmental Science: Nano, 2019, 6, 505-518.	2.2	24
7	Material-specific properties applied to an environmental risk assessment of engineered nanomaterials – implications on grouping and read-across concepts. Nanotoxicology, 2019, 13, 623-643.	1.6	22
8	Systematic Consideration of Parameter Uncertainty and Variability in Probabilistic Species Sensitivity Distributions. Integrated Environmental Assessment and Management, 2020, 16, 211-222.	1.6	19
9	Rational Engineering Principles in Synthetic Biology: A Framework for Quantitative Analysis and an Initial Assessment. Biological Theory, 2013, 8, 324-333.	0.8	17
10	Environmental benefits of coatings based on nano-tungsten-carbide cobalt ceramics. Journal of Cleaner Production, 2017, 148, 212-222.	4.6	13
11	Comparison of species sensitivity distribution modeling approaches for environmental risk assessment of nanomaterials – A case study for silver and titanium dioxide representative materials. Aquatic Toxicology, 2020, 225, 105543.	1.9	13
12	Business case analysis of hybrid systems consisting of battery storage and power-to-heat on the German energy market. Utilities Policy, 2020, 67, 101110.	2.1	8
13	Broadening our view on nanomaterials: highlighting potentials to contribute to a sustainable materials management in preliminary assessments. Environment Systems and Decisions, 2015, 35, 110-128.	1.9	5
14	Analysis of taxation and framework conditions for hybrid power plants consisting of battery storage and power-to-heat providing frequency containment reserve in selected European countries. Energy Strategy Reviews, 2021, 38, 100744.	3.3	3
15	Characterizing Synthetic Biology Through Its Novel and Enhanced Functionalities. Risk Engineering, 2015, , 71-104.	0.7	2
16	Environmental Release of and Exposure to Iron Oxide and Silver Nanoparticles. , 2017, , .		2
17	Identifying ecotoxicological descriptors to enable predictive hazard assessments of nano-TiO ₂ from a meta-analysis of ecotoxicological data. Nanolmpact, 2019, 15, 100180.	2.4	2
18	Promising applications of synthetic biology – and how to avoid their potential pitfalls. , 2016, , 195-215.		0