Burkhard Stahlmecke

List of Publications by Year
in descending order

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Version: 2024-02-01

21	455	840585 11	752573 20
papers	citations	h-index	g-index

21	21	21	845
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Zinc Oxide Nanoparticles Induce Necrosis and Apoptosis in Macrophages in a p47phox- and Nrf2-Independent Manner. PLoS ONE, 2013, 8, e65704.	1.1	111
2	Airborne engineered nanomaterials in the workplaceâ€"a review of release and worker exposure during nanomaterial production and handling processes. Journal of Hazardous Materials, 2017, 322, 17-28.	6.5	108
3	Investigation of airborne nanopowder agglomerate stability in an orifice under various differential pressure conditions. Journal of Nanoparticle Research, 2009, 11, 1625-1635.	0.8	29
4	Optimisation of a thermophoretic personal sampler for nanoparticle exposure studies. Journal of Nanoparticle Research, 2009, 11, 1611-1624.	0.8	27
5	Risk Management Framework for Nano-Biomaterials Used in Medical Devices and Advanced Therapy Medicinal Products. Materials, 2020, 13, 4532.	1.3	26
6	Postdeposition organic coating and self-assembly of gas phase prepared FePt nanoparticles on lipid reservoir films. Applied Physics Letters, 2004, 84, 3891-3893.	1.5	25
7	Design and experimental evaluation of a new nanoparticle thermophoretic personal sampler. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	21
8	Development and Evaluation of a Nanoparticle Generator for Human Inhalation Studies with Airborne Zinc Oxide. Aerosol Science and Technology, 2014, 48, 418-426.	1.5	15
9	Particle sampling in boilers of waste incineration plants for characterizing corrosion relevant species. Corrosion Science, 2016, 110, 82-90.	3.0	15
10	Impact of freezeâ€"thaw weathering on integrity, internal structure and particle release from micro- and nanostructured cement composites. Environmental Science: Nano, 2019, 6, 1443-1456.	2.2	13
11	Dustiness and Deagglomeration Testing: Interlaboratory Comparison of Systems for Nanoparticle Powders. Aerosol Science and Technology, 2015, 49, 1222-1231.	1.5	12
12	Evaluation of the neurotoxic effects of engineered nanomaterials in C57BL/6J mice in 28-day oral exposure studies. NeuroToxicology, 2021, 84, 155-171.	1.4	12
13	Deagglomeration testing of airborne nanoparticle agglomerates: Stability analysis under varied aerodynamic shear and relative humidity conditions. Aerosol Science and Technology, 2016, 50, 1253-1263.	1.5	10
14	In Situ Observation of Electromigration in Gold Nanowires. Defect and Diffusion Forum, 2005, 237-240, 1163-1167.	0.4	6
15	Analytical-statistical model to accurately estimate diffusional nanoparticle deposition on inverted surfaces at low pressure. Applied Physics Letters, 2008, 92, 064107.	1.5	6
16	Effects of dietary exposure to the engineered nanomaterials CeO2, SiO2, Ag, and TiO2 on the murine gut microbiome. Nanotoxicology, 2021, 15, 1-17.	1.6	6
17	Effects of subchronic dietary exposure to the engineered nanomaterials SiO2 and CeO2 in C57BL/6J and 5xFAD Alzheimer model mice. Particle and Fibre Toxicology, 2022, 19, 23.	2.8	4
18	Examples and Case Studies. , 2014, , 223-278.		3

#	Article	IF	Citations
19	From nanoobject release of (Bio)nanomaterials to exposure. BioNanoMaterials, 2013, 14, 37-47.	1.4	2
20	An artifact-minimizing method for total dust sampling and chemical characterization of industrial high-temperature aerosols. Aerosol Science and Technology, 2017, 51, 1047-1056.	1.5	2
21	A nanomaterial release model for waste shredding using a Bayesian belief network. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	2