Burkhard Stahlmecke

List of Publications by Citations

21 papers	360 citations	11 h-index	18 g-index
21 ext. papers	402 ext. citations	4.2 avg, IF	2.71 L-index

#	Paper	IF	Citations
21	Zinc oxide nanoparticles induce necrosis and apoptosis in macrophages in a p47phox- and Nrf2-independent manner. *PLoS ONE*, **2013**, 8, e65704	3.7	92
20	Airborne engineered nanomaterials in the workplace-a review of release and worker exposure during nanomaterial production and handling processes. *Journal of Hazardous Materials*, **2017**, 322, 17-28	12.8	84
19	Investigation of airborne nanopowder agglomerate stability in an orifice under various differential pressure conditions. *Journal of Nanoparticle Research*, **2009**, 11, 1625-1635	2.3	25
18	Postdeposition organic coating and self-assembly of gas phase prepared FePt nanoparticles on lipid reservoir films. *Applied Physics Letters*, **2004**, 84, 3891-3893	3.4	24
17	Optimisation of a thermophoretic personal sampler for nanoparticle exposure studies. *Journal of Nanoparticle Research*, **2009**, 11, 1611-1624	2.3	23
16	Design and experimental evaluation of a new nanoparticle thermophoretic personal sampler. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	20
15	Development and Evaluation of a Nanoparticle Generator for Human Inhalation Studies with Airborne Zinc Oxide. *Aerosol Science and Technology*, **2014**, 48, 418-426	3.4	14
14	Particle sampling in boilers of waste incineration plants for characterizing corrosion relevant species. *Corrosion Science*, **2016**, 110, 82-90	6.8	12
13	Impact of freeze–thaw weathering on integrity, internal structure and particle release from micro- and nanostructured cement composites. *Environmental Science: Nano*, **2019**, 6, 1443-1456	7.1	11
12	Dustiness and Deagglomeration Testing: Interlaboratory Comparison of Systems for Nanoparticle Powders. *Aerosol Science and Technology*, **2015**, 49, 1222-1231	3.4	11
11	Risk Management Framework for Nano-Biomaterials Used in Medical Devices and Advanced Therapy Medicinal Products. *Materials*, **2020**, 13,	3.5	11
10	Deagglomeration testing of airborne nanoparticle agglomerates: Stability analysis under varied aerodynamic shear and relative humidity conditions. *Aerosol Science and Technology*, **2016**, 50, 1253-1263	3.4	9
9	In Situ Observation of Electromigration in Gold Nanowires. *Defect and Diffusion Forum*, **2005**, 237-240, 1163-1167	0.7	5
8	Analytical-statistical model to accurately estimate diffusional nanoparticle deposition on inverted surfaces at low pressure. *Applied Physics Letters*, **2008**, 92, 064107	3.4	4
7	Evaluation of the neurotoxic effects of engineered nanomaterials in C57BL/6J mice in 28-day oral exposure studies. *NeuroToxicology*, **2021**, 84, 155-171	4.4	4
6	Examples and Case Studies **2014**, 223-278		3
5	A nanomaterial release model for waste shredding using a Bayesian belief network. *Journal of Nanoparticle Research*, **2018**, 20, 1	2.3	2

List of Publications

4	An artifact-minimizing method for total dust sampling and chemical characterization of industrial high-temperature aerosols. *Aerosol Science and Technology*, **2017**, 51, 1047-1056	3.4	2
3	From nanoobject release of (Bio)nanomaterials to exposure. *BioNanoMaterials*, **2013**, 14, 37-47		2
2	Effects of dietary exposure to the engineered nanomaterials CeO, SiO, Ag, and TiO on the murine gut microbiome. *Nanotoxicology*, **2021**, 15, 934-950	5.3	1
1	Effects of subchronic dietary exposure to the engineered nanomaterials SiO and CeO in C57BL/6J and 5xFAD Alzheimer model mice.. *Particle and Fibre Toxicology*, **2022**, 19, 23	8.4	1