

# Burkhard Stahlmecke

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1454168/burkhard-stahlmecke-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Effects of subchronic dietary exposure to the engineered nanomaterials SiO and CeO in C57BL/6J and 5xFAD Alzheimer model mice.. <i>Particle and Fibre Toxicology</i> , <b>2022</b> , 19, 23	8.4	1
20	Evaluation of the neurotoxic effects of engineered nanomaterials in C57BL/6J mice in 28-day oral exposure studies. <i>NeuroToxicology</i> , <b>2021</b> , 84, 155-171	4.4	4
19	Effects of dietary exposure to the engineered nanomaterials CeO, SiO, Ag, and TiO on the murine gut microbiome. <i>Nanotoxicology</i> , <b>2021</b> , 15, 934-950	5.3	1
18	Risk Management Framework for Nano-Biomaterials Used in Medical Devices and Advanced Therapy Medicinal Products. <i>Materials</i> , <b>2020</b> , 13,	3.5	11
17	Impact of freeze-thaw weathering on integrity, internal structure and particle release from micro- and nanostructured cement composites. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 1443-1456	7.1	11
16	A nanomaterial release model for waste shredding using a Bayesian belief network. <i>Journal of Nanoparticle Research</i> , <b>2018</b> , 20, 1	2.3	2
15	Airborne engineered nanomaterials in the workplace-a review of release and worker exposure during nanomaterial production and handling processes. <i>Journal of Hazardous Materials</i> , <b>2017</b> , 322, 17-28	12.8	84
14	An artifact-minimizing method for total dust sampling and chemical characterization of industrial high-temperature aerosols. <i>Aerosol Science and Technology</i> , <b>2017</b> , 51, 1047-1056	3.4	2
13	Particle sampling in boilers of waste incineration plants for characterizing corrosion relevant species. <i>Corrosion Science</i> , <b>2016</b> , 110, 82-90	6.8	12
12	Deagglomeration testing of airborne nanoparticle agglomerates: Stability analysis under varied aerodynamic shear and relative humidity conditions. <i>Aerosol Science and Technology</i> , <b>2016</b> , 50, 1253-1263	3.4	9
11	Dustiness and Deagglomeration Testing: Interlaboratory Comparison of Systems for Nanoparticle Powders. <i>Aerosol Science and Technology</i> , <b>2015</b> , 49, 1222-1231	3.4	11
10	Examples and Case Studies <b>2014</b> , 223-278		3
9	Development and Evaluation of a Nanoparticle Generator for Human Inhalation Studies with Airborne Zinc Oxide. <i>Aerosol Science and Technology</i> , <b>2014</b> , 48, 418-426	3.4	14
8	Design and experimental evaluation of a new nanoparticle thermophoretic personal sampler. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	20
7	Zinc oxide nanoparticles induce necrosis and apoptosis in macrophages in a p47phox- and Nrf2-independent manner. <i>PLoS ONE</i> , <b>2013</b> , 8, e65704	3.7	92
6	From nanoobject release of (Bio)nanomaterials to exposure. <i>BioNanoMaterials</i> , <b>2013</b> , 14, 37-47		2
5	Optimisation of a thermophoretic personal sampler for nanoparticle exposure studies. <i>Journal of Nanoparticle Research</i> , <b>2009</b> , 11, 1611-1624	2.3	23

4	Investigation of airborne nanopowder agglomerate stability in an orifice under various differential pressure conditions. <i>Journal of Nanoparticle Research</i> , <b>2009</b> , 11, 1625-1635	2-3	25
3	Analytical-statistical model to accurately estimate diffusional nanoparticle deposition on inverted surfaces at low pressure. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 064107	3-4	4
2	In Situ Observation of Electromigration in Gold Nanowires. <i>Defect and Diffusion Forum</i> , <b>2005</b> , 237-240, 1163-1167	0-7	5
1	Postdeposition organic coating and self-assembly of gas phase prepared FePt nanoparticles on lipid reservoir films. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 3891-3893	3-4	24