Michael Stintz

List of Publications by Year
in descending order

35 papers	1,218 citations	430874 18 h-index	395702 33 g-index
35 all docs	35 docs citations	35 times ranked	1632 citing authors

#	Article	IF	Citations
1	Nanoparticle exposure at nanotechnology workplaces: A review. Particle and Fibre Toxicology, 2011, 8, 22.	6.2	341
2	Method for the characterization of the abrasion induced nanoparticle release into air from surface coatings. Journal of Aerosol Science, 2009, 40, 209-217.	3.8	124
3	Characterization of Nanoparticle Release from Surface Coatings by the Simulation of a Sanding Process. Annals of Occupational Hygiene, 2010, 54, 615-624.	1.9	118
4	Technical description of the microinjection pump (MIPÂ®) and granulometric characterization of the aerosol applied for pressurized intraperitoneal aerosol chemotherapy (PIPAC). Surgical Endoscopy and Other Interventional Techniques, 2017, 31, 1778-1784.	2.4	65
5	Dynamic Light Scattering for the Characterization of Polydisperse Fractal Systems: II. Relation between Structure and DLS Results. Particle and Particle Systems Characterization, 2008, 25, 19-30.	2.3	55
6	Effects of Sample Preparation on Particle Size Distributions of Different Types of Silica in Suspensions. Nanomaterials, 2018, 8, 454.	4.1	43
7	The nanoGRAVUR framework to group (nano)materials for their occupational, consumer, environmental risks based on a harmonized set of material properties, applied to 34 case studies. Nanoscale, 2019, 11, 17637-17654.	5.6	38
8	Dynamic light-scattering measurement comparability of nanomaterial suspensions. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	37
9	Behavior of nanoscale titanium dioxide in laboratory wastewater treatment plants according to OECD 303 A. Chemosphere, 2014, 104, 197-204.	8.2	36
10	Dynamic Light Scattering for the Characterization of Polydisperse Fractal Systems: I. Simulation of the Diffusional Behavior. Particle and Particle Systems Characterization, 2008, 25, 9-18.	2.3	34
11	Nanoparticle release from nanocomposites due to mechanical treatment at two stages of the life-cycle. Journal of Physics: Conference Series, 2013, 429, 012045.	0.4	33
12	Hyperthermic intracavitary nanoaerosol therapy (HINAT) as an improved approach for pressurised intraperitoneal aerosol chemotherapy (PIPAC): Technical description, experimental validation and first proof of concept. Beilstein Journal of Nanotechnology, 2017, 8, 2729-2740.	2.8	30
13	van-der-Waals interaction between two fractal aggregates. Advanced Powder Technology, 2011, 22, 220-225.	4.1	25
14	Performance of analytical centrifugation for the particle size analysis of real-world materials. Powder Technology, 2017, 319, 261-270.	4.2	24
15	Effects of Ultrasonic Dispersion Energy on the Preparation of Amorphous SiO2 Nanomaterials for In Vitro Toxicity Testing. Nanomaterials, 2019, 9, 11.	4.1	24
16	An ultra-compact particle size analyser using a CMOS image sensor and machine learning. Light: Science and Applications, 2020, 9, 21.	16.6	23
17	Calculation of double layer interaction between colloidal aggregates. Advanced Powder Technology, 2012, 23, 139-147.	4.1	20
18	Granulometric characterization of airborne particulate release during spray application of nanoparticle-doped coatings. Journal of Nanoparticle Research, 2014, 16, 2520.	1.9	20

#	Article	IF	Citations
19	Characterization of Pyrogenic Powders with Conventional Particle Sizing Technique: I. Prediction of Measured Size Distributions. Particle and Particle Systems Characterization, 2012, 29, 104-115.	2.3	19
20	Microfiltration of Submicron-Sized and Nano-Sized Suspensions for Particle Size Determination by Dynamic Light Scattering. Nanomaterials, 2019, 9, 829.	4.1	14
21	Characterization of Pyrogenic Powders with Conventional Particle Sizing Technique: II. Experimental Data. Particle and Particle Systems Characterization, 2012, 29, 116-127.	2.3	13
22	Mobility of coated and uncoated TiO2 nanomaterials in soil columns â€“ Applicability of the tests methods of OECD TG 312 and 106 for nanomaterials. Journal of Environmental Management, 2015, 157, 230-237.	7.8	13
23	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.	4.3	13
24	Standard characterisation method for the granulometric state of intensely dispersed pigments and fillers based on an interlaboratory performance study. Powder Technology, 2018, 338, 937-951.	4.2	12
25	Impact of ultrasonic dispersion on the photocatalytic activity of titania aggregates. Beilstein Journal of Nanotechnology, 2015, 6, 2423-2430.	2.8	11
26	Experimental Model to Test Electrostatic Precipitation Technology in the COVID-19 Era: A Pilot Study. Journal of the American College of Surgeons, 2020, 231, 704-712.	0.5	8
27	Estimation of Inhalation Exposure on the Basis of Airborne Nanomaterial Release Data and Propagation Modeling. ACS Sustainable Chemistry and Engineering, 2018, 6, 9352-9359.	6.7	6
28	Evaluation of preparation methods for suspended nano-objects on substrates for dimensional measurements by atomic force microscopy. Beilstein Journal of Nanotechnology, 2017, 8, 1774-1785.	2.8	4
29	Investigation of Chemical Composition and Fiber-Occurrence in Inhalable Particulate Matter Obtained from Dry Cutting Processes of Carbon Fiber Reinforced Concrete Composite, Concrete and the Carbon Fiber Reinforcement Materials. Aerosol Science and Engineering, 2021, 5, 292-306.	1.9	4
30	Propagation modelling based on airborne particle release data from nanostructured materials for exposure estimation and prediction. Journal of Physics: Conference Series, 2017, 838, 012010.	0.4	3
31	Development of a rat capnoperitoneum phantom to study drug aerosol deposition in the context of anticancer research on peritoneal carcinomatosis. Scientific Reports, 2021, 11, 21843.	3.3	3
32	Impact of Thermal Stress on Abrasive Dust from a Carbon Fiber-Reinforced Concrete Composite. Fibers, 2022, 10, 39.	4.0	3
33	Aerosol Generation of Nonspherical Particles by Desublimation of Copper Phthalocyanine. Chemical Engineering and Technology, 2019, 42, 599-606.	1.5	2
34	Screening Study on Frictional Force Analysis in Relation to Silica Abrasive and Slurry Properties. Materials Research Society Symposia Proceedings, 2007, 991, 1.	0.1	0
35	Modulation of silica layer properties by varying the granulometric state of tetraethyl orthosilicate precursor aerosols during combustion chemical vapor deposition (CCVD). Aerosol Science and Technology, 2020, 54, 1124-1134.	3.1	0