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	Impact of Thermal Stress on Abrasive Dust from a Carbon Fiber-Reinforced Concrete Composite. Fibers, 2022, 10, 39.	4.0	3
2	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
3	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
4	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
5	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
6	An ultra-compact particle size analyser using a CMOS image sensor and machine learning. Light: Science and Applications, 2020, 9, 21.	16.6	23
7	Microfiltration of Submicron-Sized and Nano-Sized Suspensions for Particle Size Determination by Dynamic Light Scattering. Nanomaterials, 2019, 9, 829.	4.1	14
8	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
9	Effects of Ultrasonic Dispersion Energy on the Preparation of Amorphous SiO2 Nanomaterials for In Vitro Toxicity Testing. Nanomaterials, 2019, 9, 11.	4.1	24
10	Aerosol Generation of Nonspherical Particles by Desublimation of Copper Phthalocyanine. Chemical Engineering and Technology, 2019, 42, 599-606.	1.5	2
11	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
12	Effects of Sample Preparation on Particle Size Distributions of Different Types of Silica in Suspensions. Nanomaterials, 2018, 8, 454.	4.1	43
13	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
14	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
15	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
16	Performance of analytical centrifugation for the particle size analysis of real-world materials. Powder Technology, 2017, 319, 261-270.	4.2	24
17	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
18	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

#	Article	IF	Citations
19	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
20	Impact of ultrasonic dispersion on the photocatalytic activity of titania aggregates. Beilstein Journal of Nanotechnology, 2015, 6, 2423-2430.	2.8	11
21	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
22	Dynamic light-scattering measurement comparability of nanomaterial suspensions. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	37
23	Behavior of nanoscale titanium dioxide in laboratory wastewater treatment plants according to OECD 303 A. Chemosphere, 2014, 104, 197-204.	8.2	36
24	Granulometric characterization of airborne particulate release during spray application of nanoparticle-doped coatings. Journal of Nanoparticle Research, 2014, 16, 2520.	1.9	20
25	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
26	Characterization of Pyrogenic Powders with Conventional Particle Sizing Technique: II. Experimental Data. Particle and Particle Systems Characterization, 2012, 29, 116-127.	2.3	13
27	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
28	Calculation of double layer interaction between colloidal aggregates. Advanced Powder Technology, 2012, 23, 139-147.	4.1	20
29	Nanoparticle exposure at nanotechnology workplaces: A review. Particle and Fibre Toxicology, 2011, 8, 22.	6.2	341
30	van-der-Waals interaction between two fractal aggregates. Advanced Powder Technology, 2011, 22, 220-225.	4.1	25
31	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
32	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
33	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
34	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
35	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