Wendel Wohlleben

List of Publications by Year
in descending order

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165 papers	8,354 citations	38742 50 h-index	51608 86 g-index

170 all docs	170 docs citations	170 times ranked	8765 citing authors

#	Article	IF	Citations
1	Quantum control of energy flow in light harvesting. Nature, 2002, 417, 533-535.	27.8	648
2	Testing Metalâ€Oxide Nanomaterials for Human Safety. Advanced Materials, 2010, 22, 2601-2627.	21.0	348
3	Tissue distribution and toxicity of intravenously administered titanium dioxide nanoparticles in rats. Archives of Toxicology, 2008, 82, 151-157.	4.2	347
4	Estimating the effective density of engineered nanomaterials for in vitro dosimetry. Nature Communications, 2014, 5, 3514.	12.8	247
5	A decision-making framework for the grouping and testing of nanomaterials (DF4nanoGrouping). Regulatory Toxicology and Pharmacology, 2015, 71, S1-S27.	2.7	217
6	Release characteristics of selected carbon nanotube polymer composites. Carbon, 2014, 68, 33-57.	10.3	216
7	Microplastic regulation should be more precise to incentivize both innovation and environmental safety. Nature Communications, 2020, 11, 5324.	12.8	213
8	Acute and chronic effects of nano- and non-nano-scale TiO2 and ZnO particles on mobility and reproduction of the freshwater invertebrate Daphnia magna. Chemosphere, 2009, 76, 1356-1365.	8.2	212
9	Cytotoxicity screening of 23 engineered nanomaterials using a test matrix of ten cell lines and three different assays. Particle and Fibre Toxicology, 2011, 8, 9.	6.2	188
10	On the Lifecycle of Nanocomposites: Comparing Released Fragments and their Inâ€Vivo Hazards from Three Release Mechanisms and Four Nanocomposites. Small, 2011, 7, 2384-2395.	10.0	178
11	Toxico-/biokinetics of nanomaterials. Archives of Toxicology, 2012, 86, 1021-1060.	4.2	160
12	Comparative inhalation toxicity of multi-wall carbon nanotubes, graphene, graphite nanoplatelets and low surface carbon black. Particle and Fibre Toxicology, 2013, 10, 23.	6.2	155
13	Not ready to use â€“ overcoming pitfalls when dispersing nanoparticles in physiological media. Nanotoxicology, 2008, 2, 51-61.	3.0	148
14	Effects of SiO2, ZrO2, and BaSO4 nanomaterials with or without surface functionalization upon 28-day oral exposure to rats. Archives of Toxicology, 2014, 88, 1881-1906.	4.2	142
15	Application of short-term inhalation studies to assess the inhalation toxicity of nanomaterials. Particle and Fibre Toxicology, 2014, 11, 16.	6.2	140
16	Elastic CNTâ€“polyurethane nanocomposite: synthesis, performance and assessment of fragments released during use. Nanoscale, 2013, 5, 369-380.	5.6	128
17	Multidimensional Analysis of Nanoparticles with Highly Disperse Properties Using Multiwavelength Analytical Ultracentrifugation. ACS Nano, 2014, 8, 8871-8886.	14.6	127
18	Grouping and Read-Across Approaches for Risk Assessment of Nanomaterials. International Journal of Environmental Research and Public Health, 2015, 12, 13415-13434.	2.6	122

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19	Gene toxicity studies on titanium dioxide and zinc oxide nanomaterials used for UV-protection in cosmetic formulations. Nanotoxicology, 2010, 4, 364-381.	3.0	118
20	Pumpâ˜Depleteâ˜Probe Spectroscopy and the Puzzle of Carotenoid Dark States. Journal of Physical Chemistry B, 2004, 108, 3320-3325.	2.6	115
21	Coherent Control for Spectroscopy and Manipulation of Biological Dynamics. ChemPhysChem, 2005, 6, 850-857.	2.1	111
22	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.	12.4	108
23	Case studies putting the decision-making framework for the grouping and testing of nanomaterials (DF4nanoGrouping) into practice. Regulatory Toxicology and Pharmacology, 2016, 76, 234-261.	2.7	102
24	How reliably can a material be classified as a nanomaterial? Available particle-sizing techniques at work. Journal of Nanoparticle Research, 2016, 18, 158.	1.9	100
25	Toxicity of copper oxide and basic copper carbonate nanoparticles after short-term oral exposure in rats. Nanotoxicology, 2019, 13, 50-72.	3.0	94
26	Time course of lung retention and toxicity of inhaled particles: short-term exposure to nano-Ceria. Archives of Toxicology, 2014, 88, 2033-2059.	4.2	92
27	Actively shaped supercontinuum from a photonic crystal fiber for nonlinear coherent microspectroscopy. Optics Letters, 2006, 31, 413.	3.3	88
28	Multichannel Carotenoid Deactivation in Photosynthetic Light Harvesting as Identified by an Evolutionary Target Analysis. Biophysical Journal, 2003, 85, 442-450.	0.5	84
29	Scenarios and methods that induce protruding or released CNTs after degradation of nanocomposite materials. Journal of Nanoparticle Research, 2013, 15, 1504.	1.9	82
30	A framework for grouping and read-across of nanomaterials- supporting innovation and risk assessment. Nano Today, 2020, 35, 100941.	11.9	80
31	Recombinantly produced hydrophobins from fungal analogues as highly surface-active performance proteins. European Biophysics Journal, 2010, 39, 457-468.	2.2	74
32	Quantitative rates of release from weathered nanocomposites are determined across 5 orders of magnitude by the matrix, modulated by the embedded nanomaterial. NanoImpact, 2016, 1, 39-45.	4.5	72
33	Pump-probe and pump-deplete-probe spectroscopies on carotenoids with N=9â€"15 conjugated bonds. Journal of Chemical Physics, 2006, 125, 194505.	3.0	71
34	Interaction of metal oxide nanoparticles with lung surfactant protein A. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 77, 376-383.	4.3	71
35	Reliable nanomaterial classification of powders using the volume-specific surface area method. Journal of Nanoparticle Research, 2017, 19, 61.	1.9	70
36	Atomic Force Microscopy and Analytical Ultracentrifugation for Probing Nanomaterial Protein Interactions. ACS Nano, 2012, 6, 4603-4614.	14.6	69

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37	Biokinetics and effects of barium sulfate nanoparticles. Particle and Fibre Toxicology, 2014, 11, 55.	6.2	68
38	In vitro and in vivo genotoxicity investigations of differently sized amorphous SiO2 nanomaterials. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2015, 794, 57-74.	1.7	65
39	Bioavailability, distribution and clearance of tracheally instilled, gavaged or injected cerium dioxide nanoparticles and ionic cerium. Environmental Science: Nano, 2014, 1, 561-573.	4.3	62
40	A novel 3D intestine barrier model to study the immune response upon exposure to microplastics. Archives of Toxicology, 2020, 94, 2463-2479.	4.2	61
41	Validity range of centrifuges for the regulation of nanomaterials: from classification to as-tested coronas. Journal of Nanoparticle Research, 2012, 14, 1300.	1.9	59
42	Performance of a fast fiber based UV/Vis multiwavelength detector for the analytical ultracentrifuge. Colloid and Polymer Science, 2008, 286, 121-128.	2.1	56
43	Applicability of rat precision-cut lung slices in evaluating nanomaterial cytotoxicity, apoptosis, oxidative stress, and inflammation. Toxicology and Applied Pharmacology, 2014, 276, 1-20.	2.8	56
44	Realization of a Time-Domain Fresnel Lens with Coherent Control. Physical Review Letters, 2002, 89, 203003.	7.8	55
45	Thermal decomposition of nano-enabled thermoplastics: Possible environmental health and safety implications. Journal of Hazardous Materials, 2016, 305, 87-95.	12.4	55
46	Influence of agglomeration and specific lung lining lipid/protein interaction on short-term inhalation toxicity. Nanotoxicology, 2016, 10, 970-980.	3.0	55
47	Meeting the Needs for Released Nanomaterials Required for Further Testingâ€"The SUN Approach. Environmental Science & Technology, 2016, 50, 2747-2753.	10.0	55
48	The Open AUC Project. European Biophysics Journal, 2010, 39, 347-359.	2.2	54
49	Analytical methods to assess the oxidative potential of nanoparticles: a review. Environmental Science: Nano, 2017, 4, 1920-1934.	4.3	53
50	Abiotic dissolution rates of 24 (nano)forms of 6 substances compared to macrophage-assisted dissolution and in vivo pulmonary clearance: Grouping by biodissolution and transformation. NanoImpact, 2018, 12, 29-41.	4.5	52
51	NanoRelease: Pilot interlaboratory comparison of a weathering protocol applied to resilient and labile polymers with and without embedded carbon nanotubes. Carbon, 2017, 113, 346-360.	10.3	51
52	Measuring Nanomaterial Release from Carbon Nanotube Composites: Review of the State of the Science. Journal of Physics: Conference Series, 2015, 617, 012026.	0.4	50
53	Mechano-Optical Octave-Tunable Elastic Colloidal Crystals Made from Coreâ^'Shell Polymer Beads with Self-Assembly Techniques. Langmuir, 2007, 23, 2961-2969.	3.5	47
54	Surface modifications of silica nanoparticles are crucial for their inert versus proinflammatory and immunomodulatory properties. International Journal of Nanomedicine, 2014, 9, 2815.	6.7	46

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55	Simultaneous Identification of Spectral Properties and Sizes of Multiple Particles in Solution with Subnanometer Resolution. Angewandte Chemie - International Edition, 2016, 55, 11770-11774.	13.8	46
56	In vitro toxicology of ambient particulate matter: Correlation of cellular effects with particle size and components. Environmental Toxicology, 2013, 28, 76-86.	4.0	42
57	Safety assessment of nanomaterials using an advanced decision-making framework, the DF4nanoGrouping. Journal of Nanoparticle Research, 2017, 19, 171.	1.9	41
58	Single-beam CARS spectroscopy applied to low-wavenumber vibrational modes. Journal of Raman Spectroscopy, 2006, 37, 404-410.	2.5	39
59	An integrated methodology for the assessment of environmental health implications during thermal decomposition of nano-enabled products. Environmental Science: Nano, 2015, 2, 262-272.	4.3	39
60	Predicting dissolution and transformation of inhaled nanoparticles in the lung using abiotic flow cells: The case of barium sulfate. Scientific Reports, 2020, 10, 458.	3.3	39
61	Singlet versus triplet dynamics of Î²-carotene studied by quantum control spectroscopy. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 180, 314-321.	3.9	38
62	Release from nanomaterials during their use phase: combined mechanical and chemical stresses applied to simple and multi-filler nanocomposites mimicking wear of nano-reinforced tires. Environmental Science: Nano, 2016, 3, 1036-1051.	4.3	38
63	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
64	Toward Advancing Nano-Object Count Metrology: A Best Practice Framework. Environmental Health Perspectives, 2013, 121, 1282-1291.	6.0	36
65	Environmental Impacts by Fragments Released from Nanoenabled Products: A Multiassay, Multimaterial Exploration by the SUN Approach. Environmental Science & Technology, 2018, 52, 1514-1524.	10.0	36
66	Influence of dispersive agent on nanomaterial agglomeration and implications for biological effects in vivo or in vitro. Toxicology in Vitro, 2015, 29, 182-186.	2.4	35
67	Nanoscale Coloristic Pigments: Upper Limits on Releases from Pigmented Plastic during Environmental Aging, In Food Contact, and by Leaching. Environmental Science & Technology, 2017, 51, 11669-11680.	10.0	35
68	Transformations of Nanoenabled Copper Formulations Govern Release, Antifungal Effectiveness, and Sustainability throughout the Wood Protection Lifecycle. Environmental Science & Technology, 2018, 52, 1128-1138.	10.0	34
69	Determination of the Surfactant Density on SWCNTs by Analytical Ultracentrifugation. Chemistry - A European Journal, 2010, 16, 13176-13184.	3.3	33
70	Understanding Dissolution Rates via Continuous Flow Systems with Physiologically Relevant Metal Ion Saturation in Lysosome. Nanomaterials, 2020, 10, 311.	4.1	33
71	A pilot interlaboratory comparison of protocols that simulate aging of nanocomposites and detect released fragments. Environmental Chemistry, 2014, 11, 402.	1.5	32
72	Assessment of the oxidative potential of nanoparticles by the cytochrome c assay: assay improvement and development of a high-throughput method to predict the toxicity of nanoparticles. Archives of Toxicology, 2017, 91, 163-177.	4.2	32

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73	Nano or Not Nano? A Structured Approach for Identifying Nanomaterials According to the European Commissionâ€™s Definition. Small, 2020, 16, e2002228.	10.0	32
74	Investigation of Î²-caroteneâ€“gelatin composite particles with a multiwavelength UV/vis detector for the analytical ultracentrifuge. European Biophysics Journal, 2010, 39, 397-403.	2.2	31
75	Nanoparticle Surface Characterization and Clustering through Concentration-Dependent Surface Adsorption Modeling. ACS Nano, 2014, 8, 9446-9456.	14.6	31
76	End-of-life thermal decomposition of nano-enabled polymers: effect of nanofiller loading and polymer matrix on by-products. Environmental Science: Nano, 2016, 3, 1293-1305.	4.3	31
77	Redefining environmental nanomaterial flows: consequences of the regulatory nanomaterial definition on the results of environmental exposure models. Environmental Science: Nano, 2018, 5, 1372-1385.	4.3	31
78	Composition, Respirable Fraction and Dissolution Rate of 24 Stone Wool MMVF with their Binder. Particle and Fibre Toxicology, 2017, 14, 29.	6.2	30
79	Nanostructured calcium silicate hydrate seeds accelerate concrete hardening: a combined assessment of benefits and risks. Archives of Toxicology, 2012, 86, 1077-1087.	4.2	27
80	Robust Aqua Material: A Pressureâ€Resistant Selfâ€Assembled Membrane for Water Purification. Angewandte Chemie - International Edition, 2017, 56, 2203-2207.	13.8	27
81	Nanofiller Presence Enhances Polycyclic Aromatic Hydrocarbon (PAH) Profile on Nanoparticles Released during Thermal Decomposition of Nano-enabled Thermoplastics: Potential Environmental Health Implications. Environmental Science & Technology, 2017, 51, 5222-5232.	10.0	26
82	Surface reactivity measurements as required for grouping and read-across: An advanced FRAS protocol. Journal of Physics: Conference Series, 2017, 838, 012033.	0.4	26
83	Enhanced Adsorption Affinity of Anionic Peryleneâ€Based Surfactants towards Smallerâ€Diameter SWCNTs. Chemistry - A European Journal, 2010, 16, 13185-13192.	3.3	25
84	Nanomaterial categorization by surface reactivity: A case study comparing 35 materials with four different test methods. NanoImpact, 2020, 19, 100234.	4.5	25
85	Identification of nanomaterials: A validation report of two laboratories using analytical ultracentrifugation with fixed and ramped speed options. NanoImpact, 2018, 10, 87-96.	4.5	23
86	How can we justify grouping of nanoforms for hazard assessment? Concepts and tools to quantify similarity. NanoImpact, 2022, 25, 100366.	4.5	23
87	In Vitro and In Vivo Short-Term Pulmonary Toxicity of Differently Sized Colloidal Amorphous SiO2. Nanomaterials, 2018, 8, 160.	4.1	22
88	Graphene/polymer nanocomposite degradation by ultraviolet light: The effects of graphene nanofillers and their potential for release. Polymer Degradation and Stability, 2020, 182, 109365.	5.8	22
89	Fragmentation of polymer nanocomposites: modulation by dry and wet weathering, fractionation, and nanomaterial filler. Environmental Science: Nano, 2020, 7, 1742-1758.	4.3	22
90	Shear and elongational flow behavior of acrylic thickener solutions. Rheologica Acta, 2008, 47, 999-1013.	2.4	21

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91	Quantitative human health risk assessment along the lifecycle of nano-scale copper-based wood preservatives. Nanotoxicology, 2018, 12, 747-765.	3.0	21
92	Variation in dissolution behavior among different nanoforms and its implication for grouping approaches in inhalation toxicity. NanoImpact, 2021, 23, 100341.	4.5	21
93	Influence of imperfections on the insulating and guiding properties of finite Si-inverted opal crystals. Optics Express, 2009, 17, 747.	3.4	20
94	Eye irritation testing of nanomaterials using the EpiOcularâ„¢ eye irritation test and the bovine corneal opacity and permeability assay. Particle and Fibre Toxicology, 2015, 13, 18.	6.2	20
95	A Method to Assess the Relevance of Nanomaterial Dissolution during Reactivity Testing. Materials, 2020, 13, 2235.	2.9	20
96	Thermal decomposition/incineration of nano-enabled coatings and effects of nanofiller/matrix properties and operational conditions on byproduct release dynamics: Potential environmental health implications. NanoImpact, 2019, 13, 44-55.	4.5	19
97	A Universal Ultracentrifuge Spectrometer Visualizes CNTâ€“Intercalantâ€“Surfactant Complexes. ChemPhysChem, 2010, 11, 3224-3227.	2.1	18
98	Artifacts by marker enzyme adsorption on nanomaterials in cytotoxicity assays with tissue cultures. Journal of Physics: Conference Series, 2011, 304, 012061.	0.4	18
99	SUNDS probabilistic human health risk assessment methodology and its application to organic pigment used in the automotive industry. NanoImpact, 2019, 13, 26-36.	4.5	18
100	Rationale and decision rules behind the ECETOC NanoApp to support registration of sets of similar nanoforms within REACH. Nanotoxicology, 2021, 15, 145-166.	3.0	18
101	Comparative short-term inhalation toxicity of five organic diketopyrrolopyrrole pigments and two inorganic iron-oxide-based pigments. Inhalation Toxicology, 2016, 28, 463-479.	1.6	17
102	A redox proteomics approach to investigate the mode of action of nanomaterials. Toxicology and Applied Pharmacology, 2016, 299, 24-29.	2.8	17
103	Release of particulate matter from nano-enabled building materials (NEBMs) across their lifecycle: Potential occupational health and safety implications. Journal of Hazardous Materials, 2022, 422, 126771.	12.4	17
104	Covalent and Physical Cross-Linking of Photonic Crystals with 10-Fold-Enhanced Chemomechanical Stability. Langmuir, 2008, 24, 5627-5635.	3.5	16
105	Hydrophobin-Encapsulated Quantum Dots. ACS Applied Materials & Interfaces, 2016, 8, 4887-4893.	8.0	15
106	Ecotoxicological assessment of nanoparticle-containing acrylic copolymer dispersions in fairy shrimp and zebrafish embryos. Environmental Science: Nano, 2017, 4, 1981-1997.	4.3	15
107	Releases from transparent blue automobile coatings containing nanoscale copper phthalocyanine and their effects on J774 A1 macrophages. NanoImpact, 2017, 7, 75-83.	4.5	15
108	Understanding the impact of more realistic low-dose, prolonged engineered nanomaterial exposure on genotoxicity using 3D models of the human liver. Journal of Nanobiotechnology, 2021, 19, 193.	9.1	15

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109	Nanomaterials induce different levels of oxidative stress, depending on the used model system: Comparison of in vitro and in vivo effects. Science of the Total Environment, 2021, 801, 149538.	8.0	15
110	Distance-dependent fluorescence of tris(bipyridine)ruthenium(<scp>ii</scp>) on supported plasmonic gold nanoparticle ensembles. Nanoscale, 2014, 6, 15134-15143.	5.6	14
111	Lung Toxicity Analysis of Nano-Sized Kaolin and Bentonite: Missing Indications for a Common Grouping. Nanomaterials, 2020, 10, 204.	4.1	14
112	Development of a standard operating procedure for the DCFH₂-DA acellular assessment of reactive oxygen species produced by nanomaterials. Toxicology Mechanisms and Methods, 2022, 32, 439-452.	2.7	14
113	Short-Term Rat Inhalation Study With Aerosols of Acrylic Ester-Based Polymer Dispersions Containing a Fraction of Nanoparticles. International Journal of Toxicology, 2012, 31, 46-57.	1.2	13
114	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
115	Gut microbiome and plasma metabolome changes in rats after oral gavage of nanoparticles: sensitive indicators of possible adverse health effects. Particle and Fibre Toxicology, 2022, 19, 21.	6.2	13
116	Conductive plastics: comparing alternative nanotechnologies by performance and life cycle release probability. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	12
117	Reduction of Acute Inhalation Toxicity Testing in Rats: The Contact Angle of Organic Pigments Predicts Their Suffocation Potential. Applied in Vitro Toxicology, 2018, 4, 220-228.	1.1	12
118	Critical Choices in Predicting Stone Wool Biodurability: Lysosomal Fluid Compositions and Binder Effects. Chemical Research in Toxicology, 2021, 34, 780-792.	3.3	12
119	Nano-object Release During Machining of Polymer-Based Nanocomposites Depends on Process Factors and the Type of Nanofiller. Annals of Work Exposures and Health, 2017, 61, 1132-1144.	1.4	11
120	A technique-driven materials categorisation scheme to support regulatory identification of nanomaterials. Nanoscale Advances, 2019, 1, 781-791.	4.6	11
121	Simulating Nanomaterial Transformation in Cascaded Biological Compartments to Enhance the Physiological Relevance of In Vitro Dosing Regimes: Optional or Required?. Small, 2021, 17, e2004630.	10.0	11
122	Creating sets of similar nanoforms with the ECETOC NanoApp: real-life case studies. Nanotoxicology, 2021, 15, 1016-1034.	3.0	11
123	Sedimentation measurements with the analytical ultracentrifuge with absorption optics: influence of Mie scattering and absorption of the particles. Colloid and Polymer Science, 2011, 289, 1145-1155.	2.1	10
124	Determining nanoform similarity via assessment of surface reactivity by abiotic and in vitro assays. NanoImpact, 2022, 26, 100390.	4.5	10
125	Environmental release from automotive coatings are similar for different (nano)forms of pigments. Environmental Science: Nano, 2019, 6, 3039-3048.	4.3	9
126	Dosimetry inÂvitro â€“ exploring the sensitivity of deposited dose predictions vs. affinity, polydispersity, freeze-thawing, and analytical methods. Nanotoxicology, 2021, 15, 21-34.	3.0	9

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127	The Use of Nanomaterial In Vivo Organ Burden Data for In Vitro Dose Setting. Small, 2021, 17, e2005725.	10.0	9
128	The Road to Achieving the European Commission's Chemicals Strategy for Nanomaterial Sustainabilityâ€"A PATROLS Perspective on New Approach Methodologies. Small, 2022, 18, e2200231.	10.0	9
129	Possibilities to group nanomaterials across different substances â€" A case study on organic pigments. NanoImpact, 2022, 26, 100391.	4.5	8
130	Geeignete Methoden zur PrÃ¼fung der Sicherheit von Nanomaterialien. Chemie-Ingenieur-Technik, 2008, 80, 1641-1651.	0.8	7
131	NanoDefiner e-Tool: An Implemented Decision Support Framework for Nanomaterial Identification. Materials, 2019, 12, 3247.	2.9	7
132	Bayesian based similarity assessment of nanomaterials to inform grouping. NanoImpact, 2022, 25, 100389.	4.5	7
133	Comparison of Metal-Based Nanoparticles and Nanowires: Solubility, Reactivity, Bioavailability and Cellular Toxicity. Nanomaterials, 2022, 12, 147.	4.1	7
134	AUC and HDC characterization of heterogeneous polymer dispersions. Colloid and Polymer Science, 2008, 286, 149-157.	2.1	6
135	The Flows of Engineered Nanomaterials from Production, Use, and Disposal to the Environment. Handbook of Environmental Chemistry, 2015, , 209-231.	0.4	6
136	Addendum to â€œAbiotic dissolution rates of 24 (nano)forms of 6 substances compared to macrophage-assisted dissolution and in vivo pulmonary clearance: Grouping by biodissolution and transformationâ€•[NanoImpact 12 (2018) 29â€“41]. NanoImpact, 2019, 14, 100154.	4.5	6
137	Evaluating performance, degradation, and release behavior of a nanoform pigmented coating after natural and accelerated weathering. NanoImpact, 2020, 17, 100199.	4.5	6
138	Classes of organic pigments meet tentative PSLT criteria and lack toxicity in short-term inhalation studies. Regulatory Toxicology and Pharmacology, 2021, 124, 104988.	2.7	6
139	Refinement of the selection of physicochemical properties for grouping and read-across of nanoforms. NanoImpact, 2022, 25, 100375.	4.5	6
140	Aerogels are not regulated as nanomaterials, but can be assessed by tiered testing and grouping strategies for nanomaterials. Nanoscale Advances, 2021, 3, 3881-3893.	4.6	5
141	Transport of Metal Oxide Nanoparticles Across Calu-3 Cell Monolayers Modelling the Air-Blood Barrier. EURO-NanoTox-Letters, 2011, 3, 1-10.	1.0	5
142	Which fraction of stone wool fibre surface remains uncoated by binder? A detailed analysis by time-of-flight secondary ion mass spectrometry and X-ray photoelectron spectroscopy. RSC Advances, 2021, 11, 39545-39552.	3.6	5
143	Integrated approaches to testing and assessment for grouping nanomaterials following dermal exposure. Nanotoxicology, 2022, 16, 310-332.	3.0	5
144	Food contact of paper and plastic products containing SiO2, Cu-Phthalocyanine, Fe2O3, CaCO3: Ranking factors that control the similarity of form and rate of release. NanoImpact, 2022, 25, 100372.	4.5	4

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145	Dissolution Rate of Nanomaterials Determined by Ions and Particle Size under Lysosomal Conditions: Contributions to Standardization of Simulant Fluids and Analytical Methods. Chemical Research in Toxicology, 2022, 35, 963-980.	3.3	4
146	The NanoDefiner e-tool â€" A decision support framework for recommendation of suitable measurement techniques for the assessment of potential nanomaterials. , 2017, , .		3
147	Analytical centrifugation. , 2020, , 225-247.		3
148	Artificial Opals as Nanophotonic Materials for Optical Communication. , 2007, , .		2
149	Simultane Bestimmung spektraler Eigenschaften und GrÃ¶ÃŸen von multiplen Partikeln in LÃ¶sung mit Subnanometerâ€Auflã¶sung. Angewandte Chemie, 2016, 128, 11944-11949.	2.0	2
150	Robuste â€œAquaâ€Materialienâ€ eine druckstabile, selbstorganisierte Membran zur Wasserreinigung. Angewandte Chemie, 2017, 129, 2237-2242.	2.0	2
151	Reply to the Comment on Critical Choices in Predicting Stone Wool Biodurability: Lysosomal Fluid Compositions and Binder Effects. Chemical Research in Toxicology, 2021, 34, 1697-1698.	3.3	2
152	Reproducibility of methods required to identify and characterize nanoforms of substances. NanoImpact, 2022, 27, 100410.	4.5	2
153	Classification Strategies for Regulatory Nanodefinitions. , 2014, , 47-58.		1
154	Investigating ion-release from nanocomposites in food simulant solutions: Case studies contrasting kaolin, CaCO3 and Cu-phthalocyanine. Food Packaging and Shelf Life, 2020, 26, 100560.	7.5	1
155	Importance of the number emission factor of combustion-generated aerosols from nano-enabled products. NanoImpact, 2021, 22, 100307.	4.5	1
156	Actively shaped supercontinuum from a photonic crystal fiber for quantum control microspectroscopy. , 2006, , .		0
157	Nanotechnologie fÃ¼r das Smart Energy Home. Chemie-Ingenieur-Technik, 2008, 80, 1701-1704.	0.8	0
158	Photonic crystal waveguides in artificial opals. , 2008, , .		0
159	The preparation temperature influences the physicochemical nature and activity of nanoceria. Beilstein Journal of Nanotechnology, 2021, 12, 525-540.	2.8	0
160	Multiphoton quantum control spectroscopy of ÃŸ-carotene. , 2006, , .		0
161	Time-resolved Single-beam CARS with Shaped Supercontinuum from a Photonic Crystal Fiber. , 2006, , .		0
162	Multiphoton quantum control spectroscopy of Î²-carotene. Springer Series in Chemical Physics, 2007, , 483-485.	0.2	0

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163	Time-resolved Single-beam CARS with Shaped Supercontinuum from a Photonic Crystal Fiber. Springer Series in Chemical Physics, 2007, , 813-815.	0.2	0
164	Evaluating performance, degradation, and release behavior of a nanoform pigmented coating after natural and accelerated weathering. NanoImpact, 2020, 17, .	4.5	0
165	Environmental considerations and current status of grouping and regulation of engineered nanomaterials. Environmental Nanotechnology, Monitoring and Management, 2022, 18, 100707.	2.9	0