Wendel Wohlleben

List of Publications by Year
in descending order

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165 papers	8,354 citations	38720 50 h-index	51562 86 g-index

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

#	Article	IF	Citations
1	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.	6.5	17
2	How can we justify grouping of nanoforms for hazard assessment? Concepts and tools to quantify similarity. NanoImpact, 2022, 25, 100366.	2.4	23
3	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.	2.4	4
4	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.	1.3	14
5	Refinement of the selection of physicochemical properties for grouping and read-across of nanoforms. NanoImpact, 2022, 25, 100375.	2.4	6
6	Bayesian based similarity assessment of nanomaterials to inform grouping. NanoImpact, 2022, 25, 100389.	2.4	7
7	Determining nanoform similarity via assessment of surface reactivity by abiotic and in vitro assays. NanoImpact, 2022, 26, 100390.	2.4	10
8	Possibilities to group nanomaterials across different substances â€“ A case study on organic pigments. NanoImpact, 2022, 26, 100391.	2.4	8
9	The Road to Achieving the European Commission's Chemicals Strategy for Nanomaterial Sustainabilityâ€”A PATROLS Perspective on New Approach Methodologies. Small, 2022, 18, e2200231.	5.2	9
10	Comparison of Metal-Based Nanoparticles and Nanowires: Solubility, Reactivity, Bioavailability and Cellular Toxicity. Nanomaterials, 2022, 12, 147.	1.9	7
11	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.	2.8	13
12	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.	1.7	4
13	Integrated approaches to testing and assessment for grouping nanomaterials following dermal exposure. Nanotoxicology, 2022, 16, 310-332.	1.6	5
14	Environmental considerations and current status of grouping and regulation of engineered nanomaterials. Environmental Nanotechnology, Monitoring and Management, 2022, 18, 100707.	1.7	0
15	Reproducibility of methods required to identify and characterize nanoforms of substances. NanoImpact, 2022, 27, 100410.	2.4	2
16	Rationale and decision rules behind the ECETOC NanoApp to support registration of sets of similar nanoforms within REACH. Nanotoxicology, 2021, 15, 145-166.	1.6	18
17	Dosimetry inÂvitro â€“ exploring the sensitivity of deposited dose predictions vs. affinity, polydispersity, freeze-thawing, and analytical methods. Nanotoxicology, 2021, 15, 21-34.	1.6	9
18	Aerogels are not regulated as nanomaterials, but can be assessed by tiered testing and grouping strategies for nanomaterials. Nanoscale Advances, 2021, 3, 3881-3893.	2.2	5

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19	Simulating Nanomaterial Transformation in Cascaded Biological Compartments to Enhance the Physiological Relevance of In Vitro Dosing Regimes: Optional or Required?. Small, 2021, 17, e2004630.	5.2	11
20	Critical Choices in Predicting Stone Wool Biodurability: Lysosomal Fluid Compositions and Binder Effects. Chemical Research in Toxicology, 2021, 34, 780-792.	1.7	12
21	The Use of Nanomaterial In Vivo Organ Burden Data for In Vitro Dose Setting. Small, 2021, 17, e2005725.	5.2	9
22	Importance of the number emission factor of combustion-generated aerosols from nano-enabled products. NanoImpact, 2021, 22, 100307.	2.4	1
23	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.	4.2	15
24	The preparation temperature influences the physicochemical nature and activity of nanoceria. Beilstein Journal of Nanotechnology, 2021, 12, 525-540.	1.5	0
25	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.	1.7	2
26	Variation in dissolution behavior among different nanoforms and its implication for grouping approaches in inhalation toxicity. NanoImpact, 2021, 23, 100341.	2.4	21
27	Creating sets of similar nanoforms with the ECETOC NanoApp: real-life case studies. Nanotoxicology, 2021, 15, 1016-1034.	1.6	11
28	Classes of organic pigments meet tentative PSLT criteria and lack toxicity in short-term inhalation studies. Regulatory Toxicology and Pharmacology, 2021, 124, 104988.	1.3	6
29	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.	3.9	15
30	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.	1.7	5
31	Analytical centrifugation. , 2020, , 225-247.		3
32	Evaluating performance, degradation, and release behavior of a nanoform pigmented coating after natural and accelerated weathering. NanoImpact, 2020, 17, 100199.	2.4	6
33	Graphene/polymer nanocomposite degradation by ultraviolet light: The effects of graphene nanofillers and their potential for release. Polymer Degradation and Stability, 2020, 182, 109365.	2.7	22
34	A framework for grouping and read-across of nanomaterials- supporting innovation and risk assessment. Nano Today, 2020, 35, 100941.	6.2	80
35	Nano or Not Nano? A Structured Approach for Identifying Nanomaterials According to the European Commissionâ€™s Definition. Small, 2020, 16, e2002228.	5.2	32
36	Microplastic regulation should be more precise to incentivize both innovation and environmental safety. Nature Communications, 2020, 11, 5324.	5.8	213

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37	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.	3.3	1
38	A Method to Assess the Relevance of Nanomaterial Dissolution during Reactivity Testing. Materials, 2020, 13, 2235.	1.3	20
39	Fragmentation of polymer nanocomposites: modulation by dry and wet weathering, fractionation, and nanomaterial filler. Environmental Science: Nano, 2020, 7, 1742-1758.	2.2	22
40	Nanomaterial categorization by surface reactivity: A case study comparing 35 materials with four different test methods. NanoImpact, 2020, 19, 100234.	2.4	25
41	Understanding Dissolution Rates via Continuous Flow Systems with Physiologically Relevant Metal Ion Saturation in Lysosome. Nanomaterials, 2020, 10, 311.	1.9	33
42	Predicting dissolution and transformation of inhaled nanoparticles in the lung using abiotic flow cells: The case of barium sulfate. Scientific Reports, 2020, 10, 458.	1.6	39
43	A novel 3D intestine barrier model to study the immune response upon exposure to microplastics. Archives of Toxicology, 2020, 94, 2463-2479.	1.9	61
44	Lung Toxicity Analysis of Nano-Sized Kaolin and Bentonite: Missing Indications for a Common Grouping. Nanomaterials, 2020, 10, 204.	1.9	14
45	Evaluating performance, degradation, and release behavior of a nanoform pigmented coating after natural and accelerated weathering. NanoImpact, 2020, 17, .	2.4	0
46	NanoDefiner e-Tool: An Implemented Decision Support Framework for Nanomaterial Identification. Materials, 2019, 12, 3247.	1.3	7
47	Environmental release from automotive coatings are similar for different (nano)forms of pigments. Environmental Science: Nano, 2019, 6, 3039-3048.	2.2	9
48	A technique-driven materials categorisation scheme to support regulatory identification of nanomaterials. Nanoscale Advances, 2019, 1, 781-791.	2.2	11
49	SUNDS probabilistic human health risk assessment methodology and its application to organic pigment used in the automotive industry. NanoImpact, 2019, 13, 26-36.	2.4	18
50	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.	2.2	13
51	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.	2.4	6
52	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.	2.8	38
53	Toxicity of copper oxide and basic copper carbonate nanoparticles after short-term oral exposure in rats. Nanotoxicology, 2019, 13, 50-72.	1.6	94
54	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.	2.4	19

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55	Redefining environmental nanomaterial flows: consequences of the regulatory nanomaterial definition on the results of environmental exposure models. Environmental Science: Nano, 2018, 5, 1372-1385.	2.2	31
56	Environmental Impacts by Fragments Released from Nanoenabled Products: A Multiassay, Multimaterial Exploration by the SUN Approach. Environmental Science & Technology, 2018, 52, 1514-1524.	4.6	36
57	Transformations of Nanoenabled Copper Formulations Govern Release, Antifungal Effectiveness, and Sustainability throughout the Wood Protection Lifecycle. Environmental Science & Technology, 2018, 52, 1128-1138.	4.6	34
58	Identification of nanomaterials: A validation report of two laboratories using analytical ultracentrifugation with fixed and ramped speed options. NanoImpact, 2018, 10, 87-96.	2.4	23
59	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.	2.4	52
60	In Vitro and In Vivo Short-Term Pulmonary Toxicity of Differently Sized Colloidal Amorphous SiO2. Nanomaterials, 2018, 8, 160.	1.9	22
61	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.	0.6	12
62	Quantitative human health risk assessment along the lifecycle of nano-scale copper-based wood preservatives. Nanotoxicology, 2018, 12, 747-765.	1.6	21
63	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.	6.5	108
64	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.	1.9	32
65	Robust Aqua Material: A Pressureâ€Resistant Selfâ€Assembled Membrane for Water Purification. Angewandte Chemie - International Edition, 2017, 56, 2203-2207.	7.2	27
66	Robuste â€œAquaâ€Materialienâ€• eine druckstabile, selbstorganisierte Membran zur Wasserreinigung. Angewandte Chemie, 2017, 129, 2237-2242.	1.6	2
67	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.	4.6	26
68	Safety assessment of nanomaterials using an advanced decision-making framework, the DF4nanoGrouping. Journal of Nanoparticle Research, 2017, 19, 171.	0.8	41
69	Conductive plastics: comparing alternative nanotechnologies by performance and life cycle release probability. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	12
70	Reliable nanomaterial classification of powders using the volume-specific surface area method. Journal of Nanoparticle Research, 2017, 19, 61.	0.8	70
71	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.	5.4	51
72	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.	4.6	35

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73	Ecotoxicological assessment of nanoparticle-containing acrylic copolymer dispersions in fairy shrimp and zebrafish embryos. Environmental Science: Nano, 2017, 4, 1981-1997.	2.2	15
74	Analytical methods to assess the oxidative potential of nanoparticles: a review. Environmental Science: Nano, 2017, 4, 1920-1934.	2.2	53
75	Surface reactivity measurements as required for grouping and read-across: An advanced FRAS protocol. Journal of Physics: Conference Series, 2017, 838, 012033.	0.3	26
76	Releases from transparent blue automobile coatings containing nanoscale copper phthalocyanine and their effects on J774 A1 macrophages. NanoImpact, 2017, 7, 75-83.	2.4	15
77	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.	0.6	11
78	Composition, Respirable Fraction and Dissolution Rate of 24 Stone Wool MMVF with their Binder. Particle and Fibre Toxicology, 2017, 14, 29.	2.8	30
79	The NanoDefiner e-tool â€" A decision support framework for recommendation of suitable measurement techniques for the assessment of potential nanomaterials. , 2017, , .		3
80	How reliably can a material be classified as a nanomaterial? Available particle-sizing techniques at work. Journal of Nanoparticle Research, 2016, 18, 158.	0.8	100
81	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.	1.3	102
82	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.	2.2	31
83	Comparative short-term inhalation toxicity of five organic diketopyrrolopyrrole pigments and two inorganic iron-oxide-based pigments. Inhalation Toxicology, 2016, 28, 463-479.	0.8	17
84	Simultane Bestimmung spektraler Eigenschaften und GrÃ¶ÃŸen von multiplen Partikeln in LÃ¶sung mit Subnanometerâ€AuflÃ¶sung. Angewandte Chemie, 2016, 128, 11944-11949.	1.6	2
85	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.	2.2	38
86	Simultaneous Identification of Spectral Properties and Sizes of Multiple Particles in Solution with Subnanometer Resolution. Angewandte Chemie - International Edition, 2016, 55, 11770-11774.	7.2	46
87	Thermal decomposition of nano-enabled thermoplastics: Possible environmental health and safety implications. Journal of Hazardous Materials, 2016, 305, 87-95.	6.5	55
88	Influence of agglomeration and specific lung lining lipid/protein interaction on short-term inhalation toxicity. Nanotoxicology, 2016, 10, 970-980.	1.6	55
89	A redox proteomics approach to investigate the mode of action of nanomaterials. Toxicology and Applied Pharmacology, 2016, 299, 24-29.	1.3	17
90	Hydrophobin-Encapsulated Quantum Dots. ACS Applied Materials & Interfaces, 2016, 8, 4887-4893.	4.0	15

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91	Meeting the Needs for Released Nanomaterials Required for Further Testingâ€"The SUN Approach. Environmental Science & Technology, 2016, 50, 2747-2753.	4.6	55
92	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.	2.4	72
93	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.	2.8	20
94	Grouping and Read-Across Approaches for Risk Assessment of Nanomaterials. International Journal of Environmental Research and Public Health, 2015, 12, 13415-13434.	1.2	122
95	Measuring Nanomaterial Release from Carbon Nanotube Composites: Review of the State of the Science. Journal of Physics: Conference Series, 2015, 617, 012026.	0.3	50
96	A decision-making framework for the grouping and testing of nanomaterials (DF4nanoGrouping). Regulatory Toxicology and Pharmacology, 2015, 71, S1-S27.	1.3	217
97	An integrated methodology for the assessment of environmental health implications during thermal decomposition of nano-enabled products. Environmental Science: Nano, 2015, 2, 262-272.	2.2	39
98	The Flows of Engineered Nanomaterials from Production, Use, and Disposal to the Environment. Handbook of Environmental Chemistry, 2015, , 209-231.	0.2	6
99	In vitro and in vivo genotoxicity investigations of differently sized amorphous SiO2 nanomaterials. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2015, 794, 57-74.	0.9	65
100	Influence of dispersive agent on nanomaterial agglomeration and implications for biological effects in vivo or in vitro. Toxicology in Vitro, 2015, 29, 182-186.	1.1	35
101	Time course of lung retention and toxicity of inhaled particles: short-term exposure to nano-Ceria. Archives of Toxicology, 2014, 88, 2033-2059.	1.9	92
102	A pilot interlaboratory comparison of protocols that simulate aging of nanocomposites and detect released fragments. Environmental Chemistry, 2014, 11, 402.	0.7	32
103	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.	1.9	142
104	Surface modifications of silica nanoparticles are crucial for their inert versus proinflammatory and immunomodulatory properties. International Journal of Nanomedicine, 2014, 9, 2815.	3.3	46
105	Biokinetics and effects of barium sulfate nanoparticles. Particle and Fibre Toxicology, 2014, 11, 55.	2.8	68
106	Release characteristics of selected carbon nanotube polymer composites. Carbon, 2014, 68, 33-57.	5.4	216
107	Distance-dependent fluorescence of tris(bipyridine)ruthenium(<scp>ii</scp>) on supported plasmonic gold nanoparticle ensembles. Nanoscale, 2014, 6, 15134-15143.	2.8	14
108	Multidimensional Analysis of Nanoparticles with Highly Disperse Properties Using Multiwavelength Analytical Ultracentrifugation. ACS Nano, 2014, 8, 8871-8886.	7.3	127

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109	Nanoparticle Surface Characterization and Clustering through Concentration-Dependent Surface Adsorption Modeling. ACS Nano, 2014, 8, 9446-9456.	7.3	31
110	Estimating the effective density of engineered nanomaterials for in vitro dosimetry. Nature Communications, 2014, 5, 3514.	5.8	247
111	Application of short-term inhalation studies to assess the inhalation toxicity of nanomaterials. Particle and Fibre Toxicology, 2014, 11, 16.	2.8	140
112	Bioavailability, distribution and clearance of tracheally instilled, gavaged or injected cerium dioxide nanoparticles and ionic cerium. Environmental Science: Nano, 2014, 1, 561-573.	2.2	62
113	Applicability of rat precision-cut lung slices in evaluating nanomaterial cytotoxicity, apoptosis, oxidative stress, and inflammation. Toxicology and Applied Pharmacology, 2014, 276, 1-20.	1.3	56
114	Classification Strategies for Regulatory Nanodefinitions. , 2014, , 47-58.		1
115	In vitro toxicology of ambient particulate matter: Correlation of cellular effects with particle size and components. Environmental Toxicology, 2013, 28, 76-86.	2.1	42
116	Comparative inhalation toxicity of multi-wall carbon nanotubes, graphene, graphite nanoplatelets and low surface carbon black. Particle and Fibre Toxicology, 2013, 10, 23.	2.8	155
117	Scenarios and methods that induce protruding or released CNTs after degradation of nanocomposite materials. Journal of Nanoparticle Research, 2013, 15, 1504.	0.8	82
118	Elastic CNTâ€“polyurethane nanocomposite: synthesis, performance and assessment of fragments released during use. Nanoscale, 2013, 5, 369-380.	2.8	128
119	Toward Advancing Nano-Object Count Metrology: A Best Practice Framework. Environmental Health Perspectives, 2013, 121, 1282-1291.	2.8	36
120	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.	0.6	13
121	Validity range of centrifuges for the regulation of nanomaterials: from classification to as-tested coronas. Journal of Nanoparticle Research, 2012, 14, 1300.	0.8	59
122	Atomic Force Microscopy and Analytical Ultracentrifugation for Probing Nanomaterial Protein Interactions. ACS Nano, 2012, 6, 4603-4614.	7.3	69
123	Nanostructured calcium silicate hydrate seeds accelerate concrete hardening: a combined assessment of benefits and risks. Archives of Toxicology, 2012, 86, 1077-1087.	1.9	27
124	Toxico-/biokinetics of nanomaterials. Archives of Toxicology, 2012, 86, 1021-1060.	1.9	160
125	Interaction of metal oxide nanoparticles with lung surfactant protein A. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 77, 376-383.	2.0	71
126	Artifacts by marker enzyme adsorption on nanomaterials in cytotoxicity assays with tissue cultures. Journal of Physics: Conference Series, 2011, 304, 012061.	0.3	18

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127	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.	1.0	10
128	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.	2.8	188
129	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.	5.2	178
130	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
131	Investigation of Î²-caroteneâ€“gelatin composite particles with a multiwavelength UV/vis detector for the analytical ultracentrifuge. European Biophysics Journal, 2010, 39, 397-403.	1.2	31
132	Recombinantly produced hydrophobins from fungal analogues as highly surface-active performance proteins. European Biophysics Journal, 2010, 39, 457-468.	1.2	74
133	The Open AUC Project. European Biophysics Journal, 2010, 39, 347-359.	1.2	54
134	A Universal Ultracentrifuge Spectrometer Visualizes CNTâ€“Intercalantâ€“Surfactant Complexes. ChemPhysChem, 2010, 11, 3224-3227.	1.0	18
135	Testing Metalâ€Oxide Nanomaterials for Human Safety. Advanced Materials, 2010, 22, 2601-2627.	11.1	348
136	Determination of the Surfactant Density on SWCNTs by Analytical Ultracentrifugation. Chemistry - A European Journal, 2010, 16, 13176-13184.	1.7	33
137	Enhanced Adsorption Affinity of Anionic Peryleneâ€Based Surfactants towards Smallerâ€Diameter SWCNTs. Chemistry - A European Journal, 2010, 16, 13185-13192.	1.7	25
138	Gene toxicity studies on titanium dioxide and zinc oxide nanomaterials used for UV-protection in cosmetic formulations. Nanotoxicology, 2010, 4, 364-381.	1.6	118
139	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.	4.2	212
140	Influence of imperfections on the insulating and guiding properties of finite Si-inverted opal crystals. Optics Express, 2009, 17, 747.	1.7	20
141	Tissue distribution and toxicity of intravenously administered titanium dioxide nanoparticles in rats. Archives of Toxicology, 2008, 82, 151-157.	1.9	347
142	AUC and HDC characterization of heterogeneous polymer dispersions. Colloid and Polymer Science, 2008, 286, 149-157.	1.0	6
143	Performance of a fast fiber based UV/Vis multiwavelength detector for the analytical ultracentrifuge. Colloid and Polymer Science, 2008, 286, 121-128.	1.0	56
144	Shear and elongational flow behavior of acrylic thickener solutions. Rheologica Acta, 2008, 47, 999-1013.	1.1	21

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145	Nanotechnologie fÃ¼r das Smart Energy Home. Chemie-Ingenieur-Technik, 2008, 80, 1701-1704.	0.4	0
146	Geeignete Methoden zur PrÃ¼fung der Sicherheit von Nanomaterialien. Chemie-Ingenieur-Technik, 2008, 80, 1641-1651.	0.4	7
147	Not ready to use â€“ overcoming pitfalls when dispersing nanoparticles in physiological media. Nanotoxicology, 2008, 2, 51-61.	1.6	148
148	Covalent and Physical Cross-Linking of Photonic Crystals with 10-Fold-Enhanced Chemomechanical Stability. Langmuir, 2008, 24, 5627-5635.	1.6	16
149	Photonic crystal waveguides in artificial opals. , 2008, , .		0
150	Artificial Opals as Nanophotonic Materials for Optical Communication. , 2007, , .		2
151	Mechano-Optical Octave-Tunable Elastic Colloidal Crystals Made from Coreâ"Shell Polymer Beads with Self-Assembly Techniques. Langmuir, 2007, 23, 2961-2969.	1.6	47
152	Multiphoton quantum control spectroscopy of Î²-carotene. Springer Series in Chemical Physics, 2007, , 483-485.	0.2	0
153	Time-resolved Single-beam CARS with Shaped Supercontinuum from a Photonic Crystal Fiber. Springer Series in Chemical Physics, 2007, , 813-815.	0.2	0
154	Actively shaped supercontinuum from a photonic crystal fiber for nonlinear coherent microspectroscopy. Optics Letters, 2006, 31, 413.	1.7	88
155	Singlet versus triplet dynamics of Î²-carotene studied by quantum control spectroscopy. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 180, 314-321.	2.0	38
156	Single-beam CARS spectroscopy applied to low-wavenumber vibrational modes. Journal of Raman Spectroscopy, 2006, 37, 404-410.	1.2	39
157	Pump-probe and pump-deplete-probe spectroscopies on carotenoids with N=9â€“15 conjugated bonds. Journal of Chemical Physics, 2006, 125, 194505.	1.2	71
158	Actively shaped supercontinuum from a photonic crystal fiber for quantum control microspectroscopy. , 2006, , .		0
159	Multiphoton quantum control spectroscopy of ÃŸ-carotene. , 2006, , .		0
160	Time-resolved Single-beam CARS with Shaped Supercontinuum from a Photonic Crystal Fiber. , 2006, , .		0
161	Coherent Control for Spectroscopy and Manipulation of Biological Dynamics. ChemPhysChem, 2005, 6, 850-857.	1.0	111
162	Pumpâ"Depleteâ"Probe Spectroscopy and the Puzzle of Carotenoid Dark States. Journal of Physical Chemistry B, 2004, 108, 3320-3325.	1.2	115

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163	Multichannel Carotenoid Deactivation in Photosynthetic Light Harvesting as Identified by an Evolutionary Target Analysis. Biophysical Journal, 2003, 85, 442-450.	0.2	84
164	Realization of a Time-Domain Fresnel Lens with Coherent Control. Physical Review Letters, 2002, 89, 203003.	2.9	55
165	Quantum control of energy flow in light harvesting. Nature, 2002, 417, 533-535.	13.7	648