

Leen C J Thomassen

List of Publications by Citations

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

47
papers

3,031
citations

24
h-index

47
g-index

47
ext. papers

3,291
ext. citations

5.2
avg, IF

4.73
L-index

#	Paper	IF	Citations
47	The nanosilica hazard: another variable entity. <i>Particle and Fibre Toxicology</i> , 2010 , 7, 39	8.4	526
46	Size-dependent cytotoxicity of monodisperse silica nanoparticles in human endothelial cells. <i>Small</i> , 2009 , 5, 846-53	11	474
45	Oxidative stress and proinflammatory effects of carbon black and titanium dioxide nanoparticles: role of particle surface area and internalized amount. <i>Toxicology</i> , 2009 , 260, 142-9	4.4	264
44	Clastogenic and aneugenic effects of multi-wall carbon nanotubes in epithelial cells. <i>Carcinogenesis</i> , 2008 , 29, 427-33	4.6	247
43	Carbon black and titanium dioxide nanoparticles elicit distinct apoptotic pathways in bronchial epithelial cells. <i>Particle and Fibre Toxicology</i> , 2010 , 7, 10	8.4	170
42	Nominal and effective dosimetry of silica nanoparticles in cytotoxicity assays. <i>Toxicological Sciences</i> , 2008 , 104, 155-62	4.4	169
41	Lung exposure to nanoparticles modulates an asthmatic response in a mouse model. <i>European Respiratory Journal</i> , 2011 , 37, 299-309	13.6	121
40	Synthesis and characterization of stable monodisperse silica nanoparticle sols for in vitro cytotoxicity testing. <i>Langmuir</i> , 2010 , 26, 328-35	4	119
39	Influence of size, surface area and microporosity on the in vitro cytotoxic activity of amorphous silica nanoparticles in different cell types. <i>Nanotoxicology</i> , 2010 , 4, 307-18	5.3	115
38	Exploring the aneugenic and clastogenic potential in the nanosize range: A549 human lung carcinoma cells and amorphous monodisperse silica nanoparticles as models. <i>Nanotoxicology</i> , 2010 , 4, 382-95	5.3	84
37	The cytotoxic activity of amorphous silica nanoparticles is mainly influenced by surface area and not by aggregation. <i>Toxicology Letters</i> , 2011 , 206, 197-203	4.4	70
36	Oxidative stress induced by pure and iron-doped amorphous silica nanoparticles in subtoxic conditions. <i>Chemical Research in Toxicology</i> , 2012 , 25, 828-37	4	56
35	Characterization of Milli- and Microflow Reactors: Mixing Efficiency and Residence Time Distribution. <i>Organic Process Research and Development</i> , 2017 , 21, 531-542	3.9	51
34	Critical role of aquaporins in interleukin 1[IL-1]-induced inflammation. <i>Journal of Biological Chemistry</i> , 2014 , 289, 13937-47	5.4	44
33	Cytokine production by co-cultures exposed to monodisperse amorphous silica nanoparticles: the role of size and surface area. <i>Toxicology Letters</i> , 2012 , 211, 98-104	4.4	44
32	Co-assessment of cell cycle and micronucleus frequencies demonstrates the influence of serum on the in vitro genotoxic response to amorphous monodisperse silica nanoparticles of varying sizes. <i>Nanotoxicology</i> , 2014 , 8, 876-84	5.3	41
31	Model system to study the influence of aggregation on the hemolytic potential of silica nanoparticles. <i>Chemical Research in Toxicology</i> , 2011 , 24, 1869-75	4	40

30	Agglomeration Control during Ultrasonic Crystallization of an Active Pharmaceutical Ingredient. <i>Crystals</i> , 2017 , 7, 40	2.3	38
29	Sonocrystallisation: Observations, theories and guidelines. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019 , 139, 130-154	3.7	31
28	Amorphous silica nanoparticles promote monocyte adhesion to human endothelial cells: size-dependent effect. <i>Small</i> , 2013 , 9, 430-8	11	29
27	Energy efficient crystallization of paracetamol using pulsed ultrasound. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017 , 114, 55-66	3.7	27
26	Influence of serum on in situ proliferation and genotoxicity in A549 human lung cells exposed to nanomaterials. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012 , 745, 21-7	3	26
25	Characterization of stable and transient cavitation bubbles in a milliflow reactor using a multibubble sonoluminescence quenching technique. <i>Ultrasonics Sonochemistry</i> , 2015 , 25, 31-9	8.9	25
24	Investigation of the cytotoxicity of nanozeolites A and Y. <i>Nanotoxicology</i> , 2012 , 6, 472-85	5.3	25
23	Influence of dissolved gases on sonochemistry and sonoluminescence in a flow reactor. <i>Ultrasonics Sonochemistry</i> , 2016 , 31, 463-72	8.9	24
22	Stable TiO ₂ /SY zeolite composite coatings for efficient adsorptive and photocatalytic elimination of geosmin from water. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2258-2264	13	20
21	Particle Size Control during Ultrasonic Cooling Crystallization of Paracetamol. <i>Chemical Engineering and Technology</i> , 2017 , 40, 1300-1308	2	16
20	Designed porous milli-scale reactors with enhanced interfacial mass transfer in two-phase flows. <i>Reaction Chemistry and Engineering</i> , 2017 , 2, 137-148	4.9	16
19	Dawn of a new era in industrial photochemistry: the scale-up of micro- and mesostructured photoreactors. <i>Beilstein Journal of Organic Chemistry</i> , 2020 , 16, 2484-2504	2.5	16
18	Assessment of side-effects by Ludox TMA silica nanoparticles following a dietary exposure on the bumblebee <i>Bombus terrestris</i> . <i>Nanotoxicology</i> , 2012 , 6, 554-61	5.3	15
17	Reducing the Induction Time Using Ultrasound and High-Shear Mixing in a Continuous Crystallization Process. <i>Crystals</i> , 2018 , 8, 326	2.3	15
16	Scalability of 3D printed structured porous milli-scale reactors. <i>Chemical Engineering Journal</i> , 2019 , 363, 337-348	14.7	13
15	The relative atherogenicity of VLDL and LDL is dependent on the topographic site. <i>Journal of Lipid Research</i> , 2010 , 51, 1478-85	6.3	10
14	Methodological approaches influencing cellular uptake and cyto-(geno) toxic effects of nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2011 , 7, 3-5	4	9
13	Structured Porous Millireactors for Liquid-Liquid Chemical Reactions. <i>Chemie-Ingenieur-Technik</i> , 2019 , 91, 592-601	0.8	8

12	Morphological observation of embryoid bodies completes the in vitro evaluation of nanomaterial embryotoxicity in the embryonic stem cell test (EST). <i>Toxicology in Vitro</i> , 2015 , 29, 1587-96	3.6	8
11	Ultrasonic precipitation of manganese carbonate: Reactor design and scale-up. <i>Chemical Engineering Research and Design</i> , 2016 , 115, 131-144	5.5	7
10	Binary Phase Diagram of Tetraethyl Orthosilicate and Carbon Dioxide. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2573-2575	2.8	5
9	Development of a continuous reactor for emulsion-based microencapsulation of hexyl acetate with a polyuria shell. <i>Journal of Microencapsulation</i> , 2019 , 36, 371-384	3.4	3
8	Letter to the editor regarding the article by Wittmaack. <i>Chemical Research in Toxicology</i> , 2012 , 25, 4-6; author reply 7-10	4	3
7	Flow-through microscopy and image analysis for crystallization processes. <i>Chemical Engineering Science</i> , 2022 , 248, 117067	4.4	3
6	Ultrasound in Continuous Tubular Crystallizers: Parameters Affecting the Nucleation Rate. <i>Crystals</i> , 2021 , 11, 1054	2.3	2
5	Scale-up of continuous microcapsule production. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020 , 153, 107989	3.7	1
4	Characterization method for mass mixing in batch reactors based on temperature profiles. <i>Chemical Engineering Research and Design</i> , 2020 , 156, 300-310	5.5	1
3	Batch reactor scale-up of the mixing-sensitive Bechamp reaction based on the heat pulse method. <i>Chemical Engineering Science</i> , 2022 , 247, 116928	4.4	0
2	Continuous Production of Water-Based UV-Curable Polyurethane Dispersions Using Static Mixers and a Rotor-Stator Mixer. <i>ACS Omega</i> , 2021 , 6, 25884-25891	3.9	
1	Continuous Crystallization Using Ultrasound Assisted Nucleation, Cubic Cooling Profiles and Oscillatory Flow. <i>Processes</i> , 2021 , 9, 2268	2.9	