

# Robert Landsiedel

## List of Publications by Year in Descending Order

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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.

201  
papers

8,591  
citations

51  
h-index

86  
g-index

261  
ext. papers

9,499  
ext. citations

4.6  
avg, IF

5.89  
L-index

#	Paper	IF	Citations
201	True Grit: A Story of Perseverance Making Two Out of Three the First Non-Animal Testing Strategy (Adopted as OECD Guideline No. 497). <i>Cosmetics</i> , <b>2022</b> , 9, 22	2.7	
200	Gut microbiome and plasma metabolome changes in rats after oral gavage of nanoparticles: sensitive indicators of possible adverse health effects.. <i>Particle and Fibre Toxicology</i> , <b>2022</b> , 19, 21	8.4	0
199	Human-Derived In Vitro Models Used for Skin Toxicity Testing Under REACH. <i>Handbook of Experimental Pharmacology</i> , <b>2021</b> , 265, 3-27	3.2	1
198	The thyroid hormone converting enzyme human deiodinase 1 is inhibited by gold ions from inorganic salts, organic substances, and by small-size nanoparticles. <i>Chemico-Biological Interactions</i> , <b>2021</b> , 351, 109709	5	1
197	ChemBioSim: Enhancing Conformal Prediction of In Vivo Toxicity by Use of Predicted Bioactivities. <i>Journal of Chemical Information and Modeling</i> , <b>2021</b> , 61, 3255-3272	6.1	5
196	N-vinyl compounds: studies on metabolism, genotoxicity, carcinogenicity. <i>Archives of Toxicology</i> , <b>2021</b> , 95, 3143-3159	5.8	
195	Variation in dissolution behavior among different nanoforms and its implication for grouping approaches in inhalation toxicity.. <i>NanoImpact</i> , <b>2021</b> , 23, 100341	5.6	6
194	In Silico Models to Predict the Perturbation of Molecular Initiating Events Related to Thyroid Hormone Homeostasis. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 396-411	4	3
193	Rationale and decision rules behind the ECETOC NanoApp to support registration of sets of similar nanoforms within REACH. <i>Nanotoxicology</i> , <b>2021</b> , 15, 145-166	5.3	10
192	Dosimetry - exploring the sensitivity of deposited dose predictions vs. affinity, polydispersity, freeze-thawing, and analytical methods. <i>Nanotoxicology</i> , <b>2021</b> , 15, 21-34	5.3	4
191	How a GIVIMP certification program can increase confidence in in vitro methods. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2021</b> , 38, 316-318	4.3	2
190	The Use of Nanomaterial In Vivo Organ Burden Data for In Vitro Dose Setting. <i>Small</i> , <b>2021</b> , 17, e200572511		3
189	Creating sets of similar nanoforms with the ECETOC NanoApp: real-life case studies. <i>Nanotoxicology</i> , <b>2021</b> , 15, 1016-1034	5.3	4
188	Classes of organic pigments meet tentative PSLT criteria and lack toxicity in short-term inhalation studies. <i>Regulatory Toxicology and Pharmacology</i> , <b>2021</b> , 124, 104988	3.4	2
187	Assessing Experimental Uncertainty in Defined Approaches: Borderline Ranges for In Chemico and In Vitro Skin Sensitization Methods Determined from Ring Trial Data. <i>Applied in Vitro Toxicology</i> , <b>2021</b> , 7, 102-111	1.3	1
186	Enigmatic mechanism of the N-vinylpyrrolidone hepatocarcinogenicity in the rat. <i>Archives of Toxicology</i> , <b>2021</b> , 95, 3717-3744	5.8	
185	Xenobiotica-metabolizing enzyme induction potential of chemicals in animal studies: NanoString nCounter gene expression and peptide group-specific immunoaffinity as accelerated and economical substitutions for enzyme activity determinations?. <i>Archives of Toxicology</i> , <b>2020</b> , 94, 2663-2682	5.8	1

184	Appearance of Alveolar Macrophage Subpopulations in Correlation With Histopathological Effects in Short-Term Inhalation Studies With Biopersistent (Nano)Materials. <i>Toxicologic Pathology</i> , <b>2020</b> , 48, 446-464	2.1	
183	Replacing the refinement for skin sensitization testing: Considerations to the implementation of adverse outcome pathway (AOP)-based defined approaches (DA) in OECD guidelines. <i>Regulatory Toxicology and Pharmacology</i> , <b>2020</b> , 115, 104713	3.4	16
182	Understanding Dissolution Rates via Continuous Flow Systems with Physiologically Relevant Metal Ion Saturation in Lysosome. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	15
181	Predicting dissolution and transformation of inhaled nanoparticles in the lung using abiotic flow cells: The case of barium sulfate. <i>Scientific Reports</i> , <b>2020</b> , 10, 458	4.9	14
180	Organ burden of inhaled nanoceria in a 2-year low-dose exposure study: dump or depot?. <i>Nanotoxicology</i> , <b>2020</b> , 14, 554-576	5.3	12
179	The kinetic direct peptide reactivity assay (kDPRA): Intra- and inter-laboratory reproducibility in a seven-laboratory ring trial. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2020</b> , 37, 639-651	4.3	7
178	Predictivity of the kinetic direct peptide reactivity assay (kDPRA) for sensitizer potency assessment and GHS subclassification. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2020</b> , 37, 652-664	4.3	9
177	Organ burden of inhaled nanoceria in a 2-year low-dose exposure study: dump or depot?. <i>Nanotoxicology</i> , <b>2020</b> , 14, 1011-1012	5.3	1
176	Accounting for Precision Uncertainty of Toxicity Testing: Methods to Define Borderline Ranges and Implications for Hazard Assessment of Chemicals. <i>Risk Analysis</i> , <b>2020</b> ,	3.9	3
175	A novel 3D intestine barrier model to study the immune response upon exposure to microplastics. <i>Archives of Toxicology</i> , <b>2020</b> , 94, 2463-2479	5.8	26
174	KnowTox: pipeline and case study for confident prediction of potential toxic effects of compounds in early phases of development. <i>Journal of Cheminformatics</i> , <b>2020</b> , 12, 24	8.6	7
173	A review of substances found positive in 1 of 3 in vitro tests for skin sensitization. <i>Regulatory Toxicology and Pharmacology</i> , <b>2019</b> , 106, 352-368	3.4	9
172	Regarding the references for reference chemicals of alternative methods. <i>Toxicology in Vitro</i> , <b>2019</b> , 57, 48-53	3.6	3
171	Addendum to 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 12 (2018) 29]. <i>NanoImpact</i> , <b>2019</b> , 14, 100154	5.6	5
170	Workshop on the validation and regulatory acceptance of innovative 3R approaches in regulatory toxicology - Evolution versus revolution. <i>Toxicology in Vitro</i> , <b>2019</b> , 59, 1-11	3.6	20
169	Kofaktor-Mikroarrays zur Identifikation von Kernrezeptorliganden. <i>BioSpektrum</i> , <b>2019</b> , 25, 303-305	0.1	
168	Xenobiotica-metabolizing enzymes in the lung of experimental animals, man and in human lung models. <i>Archives of Toxicology</i> , <b>2019</b> , 93, 3419-3489	5.8	24
167	The impact of precision uncertainty on predictive accuracy metrics of non-animal testing methods. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2019</b> , 36, 435-446	4.3	9

166	The Role of In Vivo Screening Studies in Assessing Manufactured Nanomaterials. <i>Current Topics in Environmental Health and Preventive Medicine</i> , <b>2019</b> , 1-21	0.3	1
165	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. <i>Nanoscale</i> , <b>2019</b> , 11, 17637-17654	7.7	30
164	In vitro-to-in vivo extrapolation (IVIVE) by PBTK modeling for animal-free risk assessment approaches of potential endocrine-disrupting compounds. <i>Archives of Toxicology</i> , <b>2019</b> , 93, 401-416	5.8	28
163	Letter to the editor regarding the article by Roberts, 2018. <i>Regulatory Toxicology and Pharmacology</i> , <b>2019</b> , 102, 115-116	3.4	1
162	Letter to the editor: "Evaluation of radioisotopic and non-radioisotopic versions of local lymph node assays for subcategorization of skin sensitizers compliant to UN GHS rev 4" by Ha et al., 2017. <i>Regulatory Toxicology and Pharmacology</i> , <b>2018</b> ,	3.4	1
161	Decision tree models to classify nanomaterials according to the DF4nanoGrouping scheme. <i>Nanotoxicology</i> , <b>2018</b> , 12, 1-17	5.3	61
160	GHS additivity formula: can it predict the acute systemic toxicity of agrochemical formulations that contain acutely toxic ingredients?. <i>Regulatory Toxicology and Pharmacology</i> , <b>2018</b> , 92, 407-419	3.4	7
159	In Vitro and In Vivo Short-Term Pulmonary Toxicity of Differently Sized Colloidal Amorphous SiO <sub>2</sub> Nanomaterials, <b>2018</b> , 8,	5.4	19
158	Reduction of Acute Inhalation Toxicity Testing in Rats: The Contact Angle of Organic Pigments Predicts Their Suffocation Potential. <i>Applied in Vitro Toxicology</i> , <b>2018</b> , 4, 220-228	1.3	6
157	Nonanimal Approaches to Assessing the Toxicity of Inhaled Substances: Current Progress and Future Promise. <i>Applied in Vitro Toxicology</i> , <b>2018</b> , 4, 82-88	1.3	3
156	Xenobiotica-metabolizing enzymes in the skin of rat, mouse, pig, guinea pig, man, and in human skin models. <i>Archives of Toxicology</i> , <b>2018</b> , 92, 2411-2456	5.8	25
155	Comment on "Alternative acute oral toxicity assessment under REACH based on sub-acute toxicity values". <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2018</b> , 35, 119-121	4.3	1
154	Modern Skin Toxicity Testing Strategies <b>2018</b> , 27-40		2
153	Differences in the toxicity of cerium dioxide nanomaterials after inhalation can be explained by lung deposition, animal species and nanoforms. <i>Inhalation Toxicology</i> , <b>2018</b> , 30, 273-286	2.7	17
152	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. <i>NanoImpact</i> , <b>2018</b> , 12, 29-41	5.6	34
151	No genotoxicity in rat blood cells upon 3- or 6-month inhalation exposure to CeO <sub>2</sub> or BaSO <sub>4</sub> nanomaterials. <i>Mutagenesis</i> , <b>2017</b> , 32, 13-22	2.8	25
150	A multi-laboratory evaluation of microelectrode array-based measurements of neural network activity for acute neurotoxicity testing. <i>NeuroToxicology</i> , <b>2017</b> , 60, 280-292	4.4	61
149	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. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 163-177	5.8	24

148	Risk Assessment and Risk Management <b>2017</b> , 189-222		4
147	Safety assessment of nanomaterials using an advanced decision-making framework, the DF4nanoGrouping. <i>Journal of Nanoparticle Research</i> , <b>2017</b> , 19, 171	2.3	27
146	Lacking applicability of in vitro eye irritation methods to identify seriously eye irritating agrochemical formulations: Results of bovine cornea opacity and permeability assay, isolated chicken eye test and the EpiOcular ET-50 method to classify according to UN GHS. <i>Regulatory Toxicology and Pharmacology</i> , <b>2017</b> , 85, 33-47	3.4	12
145	Aligning nanotoxicology with the 3Rs: What is needed to realise the short, medium and long-term opportunities?. <i>Regulatory Toxicology and Pharmacology</i> , <b>2017</b> , 91, 257-266	3.4	27
144	A Critical Review of Adverse Outcome Pathway-Based Concepts and Tools for Integrating Information from Nonanimal Testing Methods: The Case of Skin Sensitization. <i>Applied in Vitro Toxicology</i> , <b>2017</b> , 3, 250-264	1.3	2
143	Ecotoxicological assessment of nanoparticle-containing acrylic copolymer dispersions in fairy shrimp and zebrafish embryos. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 1981-1997	7.1	13
142	Regulatory accepted but out of domain: In vitro skin irritation tests for agrochemical formulations. <i>Regulatory Toxicology and Pharmacology</i> , <b>2017</b> , 89, 125-130	3.4	6
141	Prediction of skin sensitization potency sub-categories using peptide reactivity data. <i>Toxicology in Vitro</i> , <b>2017</b> , 45, 134-145	3.6	26
140	Genotoxicity testing of different surface-functionalized SiO <sub>2</sub> , ZrO <sub>2</sub> and silver nanomaterials in 3D human bronchial models. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 3991-4007	5.8	19
139	A protocol to determine dermal absorption of xenobiotics through human skin in vitro. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 1497-1511	5.8	14
138	The 3Rs as a framework to support a 21st century approach for nanosafety assessment. <i>Nano Today</i> , <b>2017</b> , 12, 10-13	17.9	48
137	LuSens: Shedding Light on Skin Sensitization <b>2017</b> , 249-262		0
136	Environmental Risk Assessment Strategy for Nanomaterials. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 14,	4.6	29
135	The borderline range of toxicological methods: Quantification and implications for evaluating precision. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2017</b> , 34, 525-538	4.3	18
134	Evaluation of non-animal methods for assessing skin sensitisation hazard: A Bayesian Value-of-Information analysis. <i>ATLA Alternatives To Laboratory Animals</i> , <b>2016</b> , 44, 255-69	2.1	3
133	Acute oral toxicity testing: Scientific evidence and practicability should govern Three Rs activities. <i>ATLA Alternatives To Laboratory Animals</i> , <b>2016</b> , 44, 391-398	2.1	3
132	Local tolerance testing under REACH: Accepted non-animal methods are not on equal footing with animal tests. <i>ATLA Alternatives To Laboratory Animals</i> , <b>2016</b> , 44, 281-99	2.1	23
131	Prüfung der Sicherheit von Nanomaterialien. <i>BioSpektrum</i> , <b>2016</b> , 22, 538-539	0.1	

130	Assessment of Pre- and Pro-haptens Using Nonanimal Test Methods for Skin Sensitization. <i>Chemical Research in Toxicology</i> , <b>2016</b> , 29, 901-13	4	35
129	An in vitro alveolar macrophage assay for predicting the short-term inhalation toxicity of nanomaterials. <i>Journal of Nanobiotechnology</i> , <b>2016</b> , 14, 16	9.4	89
128	Prevalidation of the ex-vivo model PCLS for prediction of respiratory toxicity. <i>Toxicology in Vitro</i> , <b>2016</b> , 32, 347-61	3.6	25
127	The way forward for risk assessment of nanomaterials in solid media. <i>Environmental Pollution</i> , <b>2016</b> , 218, 1363-1364	9.3	8
126	Intra- and inter-laboratory reproducibility and accuracy of the LuSens assay: A reporter gene-cell line to detect keratinocyte activation by skin sensitizers. <i>Toxicology in Vitro</i> , <b>2016</b> , 32, 278-86	3.6	30
125	Activities of xenobiotic metabolizing enzymes in rat placenta and liver in vitro. <i>Toxicology in Vitro</i> , <b>2016</b> , 33, 174-9	3.6	6
124	Concern-driven integrated approaches for the grouping, testing and assessment of nanomaterials. <i>Environmental Pollution</i> , <b>2016</b> , 218, 1376-1380	9.3	11
123	Eye irritation testing of nanomaterials using the EpiOcular Eye irritation test and the bovine corneal opacity and permeability assay. <i>Particle and Fibre Toxicology</i> , <b>2016</b> , 13, 18	8.4	17
122	Case studies putting the decision-making framework for the grouping and testing of nanomaterials (DF4nanoGrouping) into practice. <i>Regulatory Toxicology and Pharmacology</i> , <b>2016</b> , 76, 234-61	3.4	86
121	Peptide reactivity associated with skin sensitization: The QSAR Toolbox and TIMES compared to the DPRA. <i>Toxicology in Vitro</i> , <b>2016</b> , 34, 194-203	3.6	25
120	Comparative short-term inhalation toxicity of five organic diketopyrrolopyrrole pigments and two inorganic iron-oxide-based pigments. <i>Inhalation Toxicology</i> , <b>2016</b> , 28, 463-79	2.7	15
119	Assessing skin sensitization hazard in mice and men using non-animal test methods. <i>Regulatory Toxicology and Pharmacology</i> , <b>2015</b> , 71, 337-51	3.4	215
118	Evaluation of an optimized protocol using human peripheral blood monocyte derived dendritic cells for the in vitro detection of sensitizers: Results of a ring study in five laboratories. <i>Toxicology in Vitro</i> , <b>2015</b> , 29, 976-86	3.6	4
117	Prenatal toxicity of synthetic amorphous silica nanomaterial in rats. <i>Reproductive Toxicology</i> , <b>2015</b> , 56, 141-6	3.4	19
116	Oral two-generation reproduction toxicity study with NM-200 synthetic amorphous silica in Wistar rats. <i>Reproductive Toxicology</i> , <b>2015</b> , 56, 147-54	3.4	18
115	Nanomaterial categorization for assessing risk potential to facilitate regulatory decision-making. <i>ACS Nano</i> , <b>2015</b> , 9, 3409-17	16.7	119
114	A decision-making framework for the grouping and testing of nanomaterials (DF4nanoGrouping). <i>Regulatory Toxicology and Pharmacology</i> , <b>2015</b> , 71, S1-27	3.4	183
113	P2X7R activation drives distinct IL-1 responses in dendritic cells compared to macrophages. <i>Cytokine</i> , <b>2015</b> , 74, 293-304	4	25



112	In vitro and in vivo genotoxicity investigations of differently sized amorphous SiO <sub>2</sub> nanomaterials. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , <b>2015</b> , 794, 57-74	3	56
111	Suitability of skin integrity tests for dermal absorption studies in vitro. <i>Toxicology in Vitro</i> , <b>2015</b> , 29, 113-23	3.3	62
110	Influence of dispersive agent on nanomaterial agglomeration and implications for biological effects in vivo or in vitro. <i>Toxicology in Vitro</i> , <b>2015</b> , 29, 182-6	3.6	31
109	Evaluation of physiologically based toxicokinetic (PBTK) modelling for reverse dosimetry approaches. <i>Toxicology Letters</i> , <b>2015</b> , 238, S168-S169	4.4	2
108	Biokinetics and inhalation toxicity of nano-BaSO <sub>4</sub> after 1, 4, 13 and 52 weeks of exposure. <i>Toxicology Letters</i> , <b>2015</b> , 238, S212	4.4	2
107	Immunophenotyping does not improve predictivity of the local lymph node assay in mice. <i>Journal of Applied Toxicology</i> , <b>2015</b> , 35, 434-45	4.1	1
106	Read-across for hazard assessment: the ugly duckling is growing up. <i>ATLA Alternatives To Laboratory Animals</i> , <b>2015</b> , 43, P67-71	2.1	11
105	Grouping and Read-Across Approaches for Risk Assessment of Nanomaterials. <i>International Journal of Environmental Research and Public Health</i> , <b>2015</b> , 12, 13415-34	4.6	104
104	The MARINA Risk Assessment Strategy: A Flexible Strategy for Efficient Information Collection and Risk Assessment of Nanomaterials. <i>International Journal of Environmental Research and Public Health</i> , <b>2015</b> , 12, 15007-21	4.6	37
103	The EpiOcular Eye Irritation Test is the Method of Choice for the In Vitro Eye Irritation Testing of Agrochemical Formulations: Correlation Analysis of EpiOcular Eye Irritation Test and BCOP Test Data According to the UN GHS, US EPA and Brazil ANVISA Classification Schemes. <i>ATLA Alternatives To Laboratory Animals</i> , <b>2015</b> , 43, 181-98	2.1	20
102	Application of short-term inhalation studies to assess the inhalation toxicity of nanomaterials. <i>Particle and Fibre Toxicology</i> , <b>2014</b> , 11, 16	8.4	115
101	Applicability of rat precision-cut lung slices in evaluating nanomaterial cytotoxicity, apoptosis, oxidative stress, and inflammation. <i>Toxicology and Applied Pharmacology</i> , <b>2014</b> , 276, 1-20	4.6	48
100	Automatic sorting of toxicological information into the IUCLID (International Uniform Chemical Information Database) endpoint-categories making use of the semantic search engine Go3R. <i>Toxicology in Vitro</i> , <b>2014</b> , 28, 571-87	3.6	4
99	Concern-driven integrated approaches to nanomaterial testing and assessment--report of the NanoSafety Cluster Working Group 10. <i>Nanotoxicology</i> , <b>2014</b> , 8, 334-48	5.3	111
98	Time course of lung retention and toxicity of inhaled particles: short-term exposure to nano-Ceria. <i>Archives of Toxicology</i> , <b>2014</b> , 88, 2033-59	5.8	81
97	Xenobiotic-metabolizing enzymes in the skin of rat, mouse, pig, guinea pig, man, and in human skin models. <i>Archives of Toxicology</i> , <b>2014</b> , 88, 2135-90	5.8	66
96	Pulmonary toxicity of nanomaterials: a critical comparison of published in vitro assays and in vivo inhalation or instillation studies. <i>Nanomedicine</i> , <b>2014</b> , 9, 2557-85	5.6	87
95	LuSens: a keratinocyte based ARE reporter gene assay for use in integrated testing strategies for skin sensitization hazard identification. <i>Toxicology in Vitro</i> , <b>2014</b> , 28, 1482-97	3.6	76

94	A critical appraisal of existing concepts for the grouping of nanomaterials. <i>Regulatory Toxicology and Pharmacology</i> , <b>2014</b> , 70, 492-506	3.4	102
93	State-of-the-art of 3D cultures (organs-on-a-chip) in safety testing and pathophysiology. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2014</b> , 31, 441-77	4.3	122
92	In silico models to predict dermal absorption from complex agrochemical formulations. <i>SAR and QSAR in Environmental Research</i> , <b>2014</b> , 25, 565-88	3.5	15
91	Effects of SiO <sub>2</sub> , ZrO <sub>2</sub> and BaSO <sub>4</sub> nanomaterials with or without surface functionalization upon 28-day oral exposure to rats. <i>Archives of Toxicology</i> , <b>2014</b> , 88, 1881-906	5.8	124
90	Surface modifications of silica nanoparticles are crucial for their inert versus proinflammatory and immunomodulatory properties. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 2815-32	7.3	38
89	Biokinetics and effects of barium sulfate nanoparticles. <i>Particle and Fibre Toxicology</i> , <b>2014</b> , 11, 55	8.4	53
88	Short term inhalation toxicity of a liquid aerosol of glutaraldehyde-coated CdS/Cd(OH) <sub>2</sub> core shell quantum dots in rats. <i>Toxicology Letters</i> , <b>2014</b> , 225, 20-6	4.4	12
87	International ring trial of the epidermal equivalent sensitizer potency assay: reproducibility and predictive-capacity. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2014</b> , 31, 251-68	4.3	17
86	State-of-the-art of 3D cultures (organs-on-a-chip) in safety testing and pathophysiology. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2014</b> , 31, 441-477	4.3	67
85	A short-term inhalation study protocol: designed for testing of toxicity and fate of nanomaterials. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1199, 207-12	1.4	4
84	Comparative inhalation toxicity of multi-wall carbon nanotubes, graphene, graphite nanoplatelets and low surface carbon black. <i>Particle and Fibre Toxicology</i> , <b>2013</b> , 10, 23	8.4	127
83	Predictive toxicology of cobalt ferrite nanoparticles: comparative in-vitro study of different cellular models using methods of knowledge discovery from data. <i>Particle and Fibre Toxicology</i> , <b>2013</b> , 10, 32	8.4	89
82	A multi-stakeholder perspective on the use of alternative test strategies for nanomaterial safety assessment. <i>ACS Nano</i> , <b>2013</b> , 7, 6422-33	16.7	96
81	Transfer of a two-tiered keratinocyte assay: IL-18 production by NCTC2544 to determine the skin sensitizing capacity and epidermal equivalent assay to determine sensitizer potency. <i>Toxicology in Vitro</i> , <b>2013</b> , 27, 1135-50	3.6	34
80	Elastic CNT-polyurethane nanocomposite: synthesis, performance and assessment of fragments released during use. <i>Nanoscale</i> , <b>2013</b> , 5, 369-80	7.7	118
79	Skin sensitisation--moving forward with non-animal testing strategies for regulatory purposes in the EU. <i>Regulatory Toxicology and Pharmacology</i> , <b>2013</b> , 67, 531-5	3.4	30
78	Computer models versus reality: how well do in silico models currently predict the sensitization potential of a substance. <i>Regulatory Toxicology and Pharmacology</i> , <b>2013</b> , 67, 468-85	3.4	43
77	Erratum to "Applicability of in vitro tests for skin irritation and corrosion to regulatory classification schemes: substantiating test strategies with data from routine studies" [Regul. Toxicol. Pharmacol. (2012) 402-414]. <i>Regulatory Toxicology and Pharmacology</i> , <b>2013</b> , 65, 366-78	3.4	5



76	Performance standards and alternative assays: practical insights from skin sensitization. <i>Regulatory Toxicology and Pharmacology</i> , <b>2013</b> , 65, 278-85	3.4	22
75	Genotoxicity of nanomaterials: refining strategies and tests for hazard identification. <i>Environmental and Molecular Mutagenesis</i> , <b>2013</b> , 54, 229-39	3.2	37
74	In vivo-in vitro comparison of acute respiratory tract toxicity using human 3D airway epithelial models and human A549 and murine 3T3 monolayer cell systems. <i>Toxicology in Vitro</i> , <b>2013</b> , 27, 174-90	3.6	51
73	Esterase activity in excised and reconstructed human skin--biotransformation of prednicarbate and the model dye fluorescein diacetate. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2013</b> , 84, 374-85	5.7	49
72	Xenobiotic metabolizing enzyme activities in cells used for testing skin sensitization in vitro. <i>Archives of Toxicology</i> , <b>2013</b> , 87, 1683-96	5.8	17
71	Particle diameter estimates of Creutzenberg et al. (2012) are distorted due to the slicing bias of transmission electron microscopy. <i>Inhalation Toxicology</i> , <b>2013</b> , 25, 63-4	2.7	1
70	Additional histopathologic examination of the lungs from a 3-month inhalation toxicity study with multiwall carbon nanotubes in rats. <i>Toxicological Sciences</i> , <b>2013</b> , 134, 103-10	4.4	23
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25	Biokinetics and effects of titania nano-material after inhalation and i.v. injection. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 170, 012017	0.3	1
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