

# Thomas Hartung

## List of Publications by Year in descending order

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Version: 2024-02-01

271  
papers

17,898  
citations

9756

73  
h-index

20307

116  
g-index

290  
all docs

290  
docs citations

290  
times ranked

16309  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of the combined effects of chromium and benzene on the rat neuroendocrine and immune systems. <i>Environmental Research</i> , 2022, 207, 112096.	3.7	8
2	Alternative methods and citizen science. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2022, 39, 159-160.	0.9	0
3	Probabilistic risk assessment – the keystone for the future of toxicology. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2022, 39, 3-29.	0.9	28
4	A human-derived 3D brain organoid model to study JC virus infection. <i>Journal of NeuroVirology</i> , 2022, 28, 17-26.	1.0	9
5	Human iPSC 3D brain model as a tool to study chemical-induced dopaminergic neuronal toxicity. <i>Neurobiology of Disease</i> , 2022, 169, 105719.	2.1	12
6	Reference materials for MS-based untargeted metabolomics and lipidomics: a review by the metabolomics quality assurance and quality control consortium (mQACC). <i>Metabolomics</i> , 2022, 18, 24.	1.4	43
7	Replacement of animal testing by integrated approaches to testing and assessment (IATA): a call for in vitro. <i>Archives of Toxicology</i> , 2022, 96, 1935-1950.	1.9	14
8	The Rise of Three Rs Centres and Platforms in Europe*. <i>ATLA Alternatives To Laboratory Animals</i> , 2022, 50, 90-120.	0.7	11
9	Organophosphorus flame retardants are developmental neurotoxicants in a rat primary brain sphere in vitro model. <i>Archives of Toxicology</i> , 2021, 95, 207-228.	1.9	35
10	Improved strategies to counter the COVID-19 pandemic: Lockdowns vs. primary and community healthcare. <i>Toxicology Reports</i> , 2021, 8, 1-9.	1.6	80
11	Using the monocyte activation test as a stand-alone release test for medical devices. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2021, 38, 151-156.	0.9	6
12	The exposome – a new paradigm for non-animal toxicology and integrated risk assessment. , 2021, , 23-30.		0
13	Systematic review in evidence-based risk assessment. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2021, , .	0.9	3
14	Continuing animal tests on cosmetic ingredients for REACH in the EU. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2021, 38, 653-668.	0.9	14
15	Safety science in the 21st century – a scientific revolution in its making. , 2021, , 51-59.		0
16	COVID-19 pandemic and alcohol consumption: Impacts and interconnections. <i>Toxicology Reports</i> , 2021, 8, 529-535.	1.6	101
17	The state of the scientific revolution in toxicology. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2021, 38, 379-386.	0.9	13
18	C9orf72 regulates energy homeostasis by stabilizing mitochondrial complex I assembly. <i>Cell Metabolism</i> , 2021, 33, 531-546.e9.	7.2	70

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19	Social injustice in environmental health: A call for fortitude. <i>Environmental Research</i> , 2021, 194, 110675.	3.7	7
20	Similarities and Differences in Gene Expression Networks Between the Breast Cancer Cell Line Michigan Cancer Foundation-7 and Invasive Human Breast Cancer Tissues. <i>Frontiers in Artificial Intelligence</i> , 2021, 4, 674370.	2.0	6
21	A Systematic Review to Compare Chemical Hazard Predictions of the Zebrafish Embryotoxicity Test With Mammalian Prenatal Developmental Toxicity. <i>Toxicological Sciences</i> , 2021, 183, 14-35.	1.4	7
22	Safer chemicals using less animals: kick-off of the European ONTOX project. <i>Toxicology</i> , 2021, 458, 152846.	2.0	33
23	Avoiding Regrettable Substitutions: Green Toxicology for Sustainable Chemistry. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7749-7758.	3.2	38
24	Gene-Environment Interactions in Developmental Neurotoxicity: a Case Study of Synergy between Chlorpyrifos and CHD8 Knockout in Human BrainSpheres. <i>Environmental Health Perspectives</i> , 2021, 129, 77001.	2.8	41
25	Human Oligodendrocytes and Myelin In Vitro to Evaluate Developmental Neurotoxicity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7929.	1.8	17
26	Challenges and Scientific Prospects of the Newest Generation of mRNA-Based Vaccines against SARS-CoV-2. <i>Life</i> , 2021, 11, 907.	1.1	20
27	Standardized pyrogen testing of medical products with the bacterial endotoxin test (BET) as a substitute for rabbit Pyrogen testing (RPT): A scoping review. <i>Toxicology in Vitro</i> , 2021, 74, 105160.	1.1	8
28	Human iPSC-Derived Model to Study Myelin Disruption. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9473.	1.8	28
29	Evidence Integration in the Era of Information Flooding- The Advent of the Comprehensive Review. <i>Frontiers in Public Health</i> , 2021, 9, 763828.	1.3	2
30	Brain Organoids to Study SARS-Cov-2 Infection of Developing CNS. <i>Toxicology Letters</i> , 2021, 350, S69.	0.4	1
31	Advances in 3D neuronal microphysiological systems: towards a functional nervous system on a chip. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2021, 57, 191-206.	0.7	30
32	Quantification of Oligodendrocytes and Myelin in Human iPSC-Derived 3D Brain Cell Cultures (BrainSpheres). <i>Neuromethods</i> , 2021, , 459-471.	0.2	0
33	Pyrogen testing revisited on occasion of the 25th anniversary of the whole blood monocyte activation test. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2021, 38, 3-19.	0.9	17
34	Mapping Chemical Respiratory Sensitization: How Useful Are Our Current Computational Tools?. <i>Chemical Research in Toxicology</i> , 2021, 34, 473-482.	1.7	11
35	Evaluation of the global performance of eight in silico skin sensitization models using human data. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2021, 38, 33-48.	0.9	12
36	The Humane Research and Testing Act: Advancing science by creating a new Center for Alternatives at the US National Institutes of Health. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2021, 38, 678-680.	0.9	1

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37	COVID-19 “prime time for microphysiological systems, as illustrated for the brain. ALTEX: Alternatives To Animal Experimentation, 2021, 38, 535-549.	0.9	6
38	Open letter: Selection of a new Executive Director of the European Chemicals Agency (ECHA) provides an opportunity for the EU to lead in the field of chemicals management and implementation of innovative science. ALTEX: Alternatives To Animal Experimentation, 2021, , .	0.9	0
39	Guidance document on Good Cell and Tissue Culture Practice 2.0 (GCCP 2.0). ALTEX: Alternatives To Animal Experimentation, 2021, , .	0.9	18
40	Editorial: Artificial Intelligence for Precision Medicine. Frontiers in Artificial Intelligence, 2021, 4, 834645.	2.0	7
41	Toxicity testing in the 21st century: progress in the past decade and future perspectives. Archives of Toxicology, 2020, 94, 1-58.	1.9	209
42	Dissemination and analysis of the quality assurance (QA) and quality control (QC) practices of LC-MS based untargeted metabolomics practitioners. Metabolomics, 2020, 16, 113.	1.4	56
43	Organotypic Models to Study Human Glioblastoma: Studying the Beast in Its Ecosystem. IScience, 2020, 23, 101633.	1.9	12
44	COVID-19 vaccines: ethical framework concerning human challenge studies. DARU, Journal of Pharmaceutical Sciences, 2020, 28, 807-812.	0.9	42
45	Key read across framework components and biology based improvements. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2020, 853, 503172.	0.9	19
46	Functionally Enigmatic Genes in Cancer: Using TCGA Data to Map the Limitations of Annotations. Scientific Reports, 2020, 10, 4106.	1.6	14
47	Antidepressant Paroxetine Exerts Developmental Neurotoxicity in an iPSC-Derived 3D Human Brain Model. Frontiers in Cellular Neuroscience, 2020, 14, 25.	1.8	47
48	Harnessing the power of novel animal-free test methods for the development of COVID-19 drugs and vaccines. Archives of Toxicology, 2020, 94, 2263-2272.	1.9	32
49	Nutrition and the ageing brain: Moving towards clinical applications. Ageing Research Reviews, 2020, 62, 101079.	5.0	56
50	iPS, organoids and 3D models as advanced tools for in vitro toxicology. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 136-140.	0.9	10
51	Internationalization of read-across as a validated new approach method (NAM) for regulatory toxicology. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 579-606.	0.9	48
52	The exposome “a new approach for risk assessment. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 3-23.	0.9	45
53	Biology-inspired microphysiological systems to advance medicines for patient benefit and animal welfare. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 365-394.	0.9	123
54	New European Union statistics on laboratory animal use “what really counts!. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 167-186.	0.9	22

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55	Infectability of Human BrainSphere Neurons Suggests Neurotropism of SARS-CoV-2*. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 665-671.	0.9	112
56	Good Cell and Tissue Culture Practice 2.0 (GCCP 2.0) â€œ Draft for Stakeholder Discussion and Call for Action. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 490-492.	0.9	24
57	EFSA â€œ Johns Hopkins Food Safety Symposium 2019. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 312-314.	0.9	0
58	When the boundaries between science and politics are blurred. Toxicology Reports, 2020, 7, 1607.	1.6	1
59	Long-term effects of chromium on morphological and immunological parameters of Wistar rats. Food and Chemical Toxicology, 2019, 133, 110748.	1.8	34
60	The effect of chronic vitamin deficiency and long term very low dose exposure to 6 pesticides mixture on neurological outcomes â€œ A real-life risk simulation approach. Toxicology Letters, 2019, 315, 96-106.	0.4	45
61	Predicting toxicity of chemicals: software beats animal testing. EFSA Journal, 2019, 17, e170710.	0.9	16
62	Suitability of 3D human brain spheroid models to distinguish toxic effects of gold and poly-lactic acid nanoparticles to assess biocompatibility for brain drug delivery. Particle and Fibre Toxicology, 2019, 16, 22.	2.8	67
63	Adaptation of the Systematic Review Framework to the Assessment of Toxicological Test Methods: Challenges and Lessons Learned With the Zebrafish Embryotoxicity Test. Toxicological Sciences, 2019, 171, 56-68.	1.4	9
64	Uncovering the Role of N-Acetyl-Aspartyl-Glutamate as a Glutamate Reservoir in Cancer. Cell Reports, 2019, 27, 491-501.e6.	2.9	73
65	Nonanimal Models for Acute Toxicity Evaluations: Applying Data-Driven Profiling and Read-Across. Environmental Health Perspectives, 2019, 127, 47001.	2.8	56
66	A Human iPSC-derived 3D platform using primary brain cancer cells to study drug development and personalized medicine. Scientific Reports, 2019, 9, 1407.	1.6	61
67	Towards quality assurance and quality control in untargeted metabolomics studies. Metabolomics, 2019, 15, 4.	1.4	101
68	The Center for Alternatives to Animal Testing in the USA and Europe. , 2019, , 109-117.		3
69	Alternative Approaches for Carcinogenicity and Reproductive Toxicity. , 2019, , 209-217.		7
70	Missing the Difference Between Big Data and Artificial Intelligence in RASAR Versus Traditional QSAR. Toxicological Sciences, 2019, 167, 4-5.	1.4	6
71	Optimizing drug discovery by Investigative Toxicology: Current and future trends. ALTEX: Alternatives To Animal Experimentation, 2019, 36, 289-313.	0.9	38
72	Toward good in vitro reporting standards. ALTEX: Alternatives To Animal Experimentation, 2019, 36, 3-17.	0.9	46

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73	<a href="https://www.altex.org/index.php/altex/article/view/1339">https://www.altex.org/index.php/altex/article/view/1339</a> . ALTEX: Alternatives To Animal Experimentation, 2019, 36, 682-699.	0.9	42
74	Green Toxicology Meets Nanotoxicology: The Process of Sustainable Nanomaterial Development and Use. , 2019, , 495-506.		0
75	Induction of IL-10 balanced immune profiles following exposure to LTA from <i>Staphylococcus epidermidis</i> . Experimental Dermatology, 2018, 27, 318-326.	1.4	17
76	Green Toxicology – Know Early About and Avoid Toxic Product Liabilities. Toxicological Sciences, 2018, 161, 285-289.	1.4	25
77	Rotenone exerts developmental neurotoxicity in a human brain spheroid model. Toxicology and Applied Pharmacology, 2018, 354, 101-114.	1.3	102
78	A Perspective and a New Integrated Computational Strategy for Skin Sensitization Assessment. ACS Sustainable Chemistry and Engineering, 2018, 6, 2845-2859.	3.2	35
79	Stage-specific metabolic features of differentiating neurons: Implications for toxicant sensitivity. Toxicology and Applied Pharmacology, 2018, 354, 64-80.	1.3	29
80	Big-data and machine learning to revamp computational toxicology and its use in risk assessment. Toxicology Research, 2018, 7, 732-744.	0.9	55
81	Perspectives on <i>In Vitro</i> to <i>In Vivo</i> Extrapolations. Applied in Vitro Toxicology, 2018, 4, 305-316.	0.6	51
82	Prediction of liver toxicity and mode of action using metabolomics in vitro in HepG2 cells. Archives of Toxicology, 2018, 92, 893-906.	1.9	126
83	Making Big Sense From Big Data. Frontiers in Big Data, 2018, 1, 5.	1.8	15
84	Microglia Increase Inflammatory Responses in iPSC-Derived Human Brain Spheres. Frontiers in Microbiology, 2018, 9, 2766.	1.5	88
85	Weighted Gene Correlation Network Analysis (WGCNA) Reveals Novel Transcription Factors Associated With Bisphenol A Dose-Response. Frontiers in Genetics, 2018, 9, 508.	1.1	43
86	Toxicity, recovery, and resilience in a 3D dopaminergic neuronal in vitro model exposed to rotenone. Archives of Toxicology, 2018, 92, 2587-2606.	1.9	27
87	Machine Learning of Toxicological Big Data Enables Read-Across Structure Activity Relationships (RASAR) Outperforming Animal Test Reproducibility. Toxicological Sciences, 2018, 165, 198-212.	1.4	220
88	Human 3D In Vitro Models for Developmental Neurotoxicity. , 2018, , 163-172.		1
89	Advanced Good Cell Culture Practice for human primary, stem cell-derived and organoid models as well as microphysiological systems. ALTEX: Alternatives To Animal Experimentation, 2018, 35, 353-378.	0.9	87
90	Rebooting the generally recognized as safe (GRAS) approach for food additive safety in the US. ALTEX: Alternatives To Animal Experimentation, 2018, 35, 3-25.	0.9	20

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91	3S - Systematic, systemic, and systems biology and toxicology. ALTEX: Alternatives To Animal Experimentation, 2018, 35, 139-162.	0.9	50
92	Animal testing and its alternatives – the most important omics is economics. ALTEX: Alternatives To Animal Experimentation, 2018, 35, 275-305.	0.9	105
93	Reference compounds for alternative test methods to indicate developmental neurotoxicity (DNT) potential of chemicals: example lists and criteria for their selection and use. ALTEX: Alternatives To Animal Experimentation, 2017, 34, 49-74.	0.9	94
94	CIIPro: a new read-across portal to fill data gaps using public large-scale chemical and biological data. Bioinformatics, 2017, 33, 464-466.	1.8	27
95	Metabolomic network analysis of estrogen-stimulated MCF-7 cells: a comparison of overrepresentation analysis, quantitative enrichment analysis and pathway analysis versus metabolite network analysis. Archives of Toxicology, 2017, 91, 217-230.	1.9	13
96	Characterization of three human cell line models for high-throughput neuronal cytotoxicity screening. Journal of Applied Toxicology, 2017, 37, 167-180.	1.4	49
97	Joint Bounding of Peaks Across Samples Improves Differential Analysis in Mass Spectrometry-Based Metabolomics. Analytical Chemistry, 2017, 89, 3517-3523.	3.2	7
98	Green Toxicology: a strategy for sustainable chemical and material development. Environmental Sciences Europe, 2017, 29, 16.	2.6	67
99	Systems Toxicology II: A Special Issue. Chemical Research in Toxicology, 2017, 30, 869-869.	1.7	3
100	The Mammalian Malonyl-CoA Synthetase ACSF3 Is Required for Mitochondrial Protein Malonylation and Metabolic Efficiency. Cell Chemical Biology, 2017, 24, 673-684.e4.	2.5	65
101	Good cell culture practices & in vitro toxicology. Toxicology in Vitro, 2017, 45, 272-277.	1.1	39
102	A primer on systematic reviews in toxicology. Archives of Toxicology, 2017, 91, 2551-2575.	1.9	68
103	Systems Toxicology: Real World Applications and Opportunities. Chemical Research in Toxicology, 2017, 30, 870-882.	1.7	93
104	Twenty-First Century In Vitro Toxicology Testing Methods and the Assessment of e-Cigarettes. Applied in Vitro Toxicology, 2017, 3, 3-9.	0.6	2
105	FutureTox III: Bridges for Translation. Toxicological Sciences, 2017, 155, 22-31.	1.4	22
106	From the exposome to mechanistic understanding of chemical-induced adverse effects. Environment International, 2017, 99, 97-106.	4.8	146
107	Adverse outcome pathways: opportunities, limitations and open questions. Archives of Toxicology, 2017, 91, 3477-3505.	1.9	282
108	Multi-tissue interactions in an integrated three-tissue organ-on-a-chip platform. Scientific Reports, 2017, 7, 8837.	1.6	407

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109	Loss of Hepatic Mitochondrial Long-Chain Fatty Acid Oxidation Confers Resistance to Diet-Induced Obesity and Glucose Intolerance. <i>Cell Reports</i> , 2017, 20, 655-667.	2.9	62
110	3D Differentiation of LUHMES Cell Line to Study Recovery and Delayed Neurotoxic Effects. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ]</i> , 2017, 73, 11.23.1-11.23.28.	1.1	21
111	21st Century Cell Culture for 21st Century Toxicology. <i>Chemical Research in Toxicology</i> , 2017, 30, 43-52.	1.7	86
112	In vitro acute and developmental neurotoxicity screening: an overview of cellular platforms and high-throughput technical possibilities. <i>Archives of Toxicology</i> , 2017, 91, 1-33.	1.9	132
113	Information-dependent enrichment analysis reveals time-dependent transcriptional regulation of the estrogen pathway of toxicity. <i>Archives of Toxicology</i> , 2017, 91, 1749-1762.	1.9	24
114	Utility of the adverse outcome pathway concept in drug development. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2017, 13, 1-3.	1.5	17
115	Metabolic flux analysis in human dopaminergic neurons under toxicant stress. <i>Toxicology Letters</i> , 2017, 280, S148.	0.4	0
116	Can TTIP Improve Laboratory Animal Welfare in Safety Testing and 3Rs?. <i>ILAR Journal</i> , 2017, 57, 358-367.	1.8	0
117	Whole Blood Cytokine Response to Local Traffic-Related Particulate Matter in Peruvian Children With and Without Asthma. <i>Frontiers in Pharmacology</i> , 2017, 8, 157.	1.6	6
118	Evolution of toxicological science: the need for change. <i>International Journal of Risk Assessment and Management</i> , 2017, 20, 21.	0.2	22
119	Good Cell Culture Practice for stem cells and stem-cell-derived models. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 95-132.	0.9	81
120	From in vivo to in vitro: The medical device testing paradigm shift. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 479-500.	0.9	38
121	A human brain microphysiological system derived from induced pluripotent stem cells to study neurological diseases and toxicity. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 362-376.	0.9	195
122	The need for strategic development of safety sciences. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 3-21.	0.9	14
123	Opinion versus evidence for the need to move away from animal testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 193-200.	0.9	31
124	Food for thought – the first ten years. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 187-192.	0.9	3
125	Thresholds of Toxicological Concern – Setting a threshold for testing below which there is little concern. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 331-351.	0.9	52
126	Computational approaches to chemical hazard assessment. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 459-478.	0.9	41



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127	Biology-inspired microphysiological system approaches to solve the prediction dilemma of substance testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2016, 33, 272-321.	0.9	214
128	Analysis of Draize eye irritation testing and its prediction by mining publicly available 2008-2014 REACH data. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2016, 33, 123-34.	0.9	67
129	Global analysis of publicly available safety data for 9,801 substances registered under REACH from 2008-2014. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2016, 33, 95-109.	0.9	49
130	Analysis of public oral toxicity data from REACH registrations 2008-2014. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2016, 33, 111-22.	0.9	32
131	Alzheimer disease research in the 21st century: past and current failures, new perspectives and funding priorities. <i>Oncotarget</i> , 2016, 7, 38999-39016.	0.8	56
132	The Human Toxome Collaboratorium: A Shared Environment for Multi-Omic Computational Collaboration within a Consortium. <i>Frontiers in Pharmacology</i> , 2016, 6, 322.	1.6	8
133	Requirement for the Mitochondrial Pyruvate Carrier in Mammalian Development Revealed by a Hypomorphic Allelic Series. <i>Molecular and Cellular Biology</i> , 2016, 36, 2089-2104.	1.1	47
134	Evidence-Based Toxicology. <i>Advances in Experimental Medicine and Biology</i> , 2016, 856, 231-241.	0.8	2
135	Brain-on-a-chip model enables analysis of human neuronal differentiation and chemotaxis. <i>Lab on A Chip</i> , 2016, 16, 4152-4162.	3.1	119
136	Pathway-Based Approaches for Environmental Monitoring and Risk Assessment. <i>Environmental Science &amp; Technology</i> , 2016, 50, 10295-10296.	4.6	12
137	Combination therapy with BPTES nanoparticles and metformin targets the metabolic heterogeneity of pancreatic cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5328-36.	3.3	180
138	Pathway-Based Approaches for Environmental Monitoring and Risk Assessment. <i>Chemical Research in Toxicology</i> , 2016, 29, 1789-1790.	1.7	9
139	Genetic variability in a frozen batch of MCF-7 cells invisible in routine authentication affecting cell function. <i>Scientific Reports</i> , 2016, 6, 28994.	1.6	67
140	Novel chemical hazard characterisation approaches. <i>EFSA Journal</i> , 2016, 14, e00506.	0.9	3
141	Guidance on assessing the methodological and reporting quality of toxicologically relevant studies: A scoping review. <i>Environment International</i> , 2016, 92-93, 630-646.	4.8	58
142	Arsenic Exposure and Immunotoxicity: a Review Including the Possible Influence of Age and Sex. <i>Current Environmental Health Reports</i> , 2016, 3, 1-12.	3.2	84
143	Applicability of the Monocyte Activation Test (MAT) for hyperimmune sera in the routine of the quality control laboratory: Comparison with the Rabbit Pyrogen Test (RPT). <i>Toxicology in Vitro</i> , 2016, 32, 70-75.	1.1	16
144	<i>Staphylococcus aureus</i> derived lipoteichoic acid induces temporary T-cell paralysis independent of Toll-like receptor 2. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 780-790.e6.	1.5	15

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145	Analysis of publically available skin sensitization data from REACH registrations 2008-2014. ALTEX: Alternatives To Animal Experimentation, 2016, 33, 135-48.	0.9	43
146	Toward Good Read-Across Practice (GRAP) guidance. ALTEX: Alternatives To Animal Experimentation, 2016, 33, 149-166.	0.9	134
147	Supporting read-across using biological data. ALTEX: Alternatives To Animal Experimentation, 2016, 33, 167-182.	0.9	78
148	Making big sense from big data in toxicology by read-across. ALTEX: Alternatives To Animal Experimentation, 2016, 33, 83-93.	0.9	64
149	E-cigarettes and the need and opportunities for alternatives to animal testing. ALTEX: Alternatives To Animal Experimentation, 2016, 33, 211-224.	0.9	15
150	Evidence-based absorption, distribution, metabolism, excretion (ADME) and its interplay with alternative toxicity methods. ALTEX: Alternatives To Animal Experimentation, 2016, 33, 343-358.	0.9	75
151	Probabilistic hazard assessment for skin sensitization potency by dose-response modeling using feature elimination instead of quantitative structure-activity relationships. Journal of Applied Toxicology, 2015, 35, 1361-1371.	1.4	30
152	Antifungal drug itraconazole targets VDAC1 to modulate the AMPK/mTOR signaling axis in endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E7276-85.	3.3	84
153	International Stakeholder NETwork (ISTNET): creating a developmental neurotoxicity (DNT) testing road map for regulatory purposes. Archives of Toxicology, 2015, 89, 269-287.	1.9	130
154	MPTP's Pathway of Toxicity Indicates Central Role of Transcription Factor SP1. Archives of Toxicology, 2015, 89, 743-755.	1.9	33
155	The human whole blood pyrogen test - lessons learned in twenty years. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 79-100.	0.9	30
156	Systems Toxicology. International Journal of Toxicology, 2015, 34, 346-348.	0.6	30
157	From "weight of evidence" to quantitative data integration using multicriteria decision analysis and Bayesian methods. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 3-8.	0.9	50
158	The Human Toxome Project. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 112-124.	0.9	52
159	Toxicity testing in the 21st century beyond environmental chemicals. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 171-181.	0.9	74
160	Animal use for science in Europe. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 261-274.	0.9	34
161	Quality assurance of metabolomics. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 319-326.	0.9	30
162	Cellular resilience. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 247-260.	0.9	46

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163	Non-animal models of epithelial barriers (skin, intestine and lung) in research, industrial applications and regulatory toxicology. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 327-378.	0.9	108
164	State-of-the-art of 3D cultures (organs-on-a-chip) in safety testing and pathophysiology. ALTEX: Alternatives To Animal Experimentation, 2014, 31, 441-477.	0.9	166
165	Mapping the Human Toxome by Systems Toxicology. Basic and Clinical Pharmacology and Toxicology, 2014, 115, 24-31.	1.2	41
166	Developmental neurotoxicity – Challenges in the 21st Century and In Vitro Opportunities. ALTEX: Alternatives To Animal Experimentation, 2014, 31, 129-56.	0.9	103
167	3D – A new dimension of in vitro research. Advanced Drug Delivery Reviews, 2014, 69-70, vi.	6.6	19
168	Biological and medical applications of a brain-on-a-chip. Experimental Biology and Medicine, 2014, 239, 1096-1107.	1.1	103
169	Applying Adverse Outcome Pathways (AOPs) to support Integrated Approaches to Testing and Assessment (IATA). Regulatory Toxicology and Pharmacology, 2014, 70, 629-640.	1.3	291
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