

Anna Forsby

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.

50
papers

999
citations

16
h-index

30
g-index

52
ext. papers

1,221
ext. citations

3.7
avg, IF

3.72
L-index

#	Paper	IF	Citations
50	Adverse outcome pathways: opportunities, limitations and open questions. <i>Archives of Toxicology</i> , 2017 , 91, 3477-3505	5.8	174
49	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	5.8	99
48	Putative adverse outcome pathways relevant to neurotoxicity. <i>Critical Reviews in Toxicology</i> , 2015 , 45, 83-91	5.7	76
47	Integration of in vitro neurotoxicity data with biokinetic modelling for the estimation of in vivo neurotoxicity. <i>Human and Experimental Toxicology</i> , 2007 , 26, 333-8	3.4	56
46	Blood-brain barrier in vitro models and their application in toxicology. The report and recommendations of ECVAM Workshop 49. <i>ATLA Alternatives To Laboratory Animals</i> , 2004 , 32, 37-50	2.1	42
45	Insulin-like growth factor type 1 prevents hyperglycemia-induced uncoupling protein 3 down-regulation and oxidative stress. <i>Journal of Neuroscience Research</i> , 2004 , 77, 285-91	4.4	42
44	Alternative approaches for identifying acute systemic toxicity: Moving from research to regulatory testing. <i>Toxicology in Vitro</i> , 2017 , 41, 245-259	3.6	39
43	Optimisation of culture conditions for differentiation of C17.2 neural stem cells to be used for in vitro toxicity tests. <i>Toxicology in Vitro</i> , 2013 , 27, 1565-9	3.6	39
42	The integrated acute systemic toxicity project (ACuteTox) for the optimisation and validation of alternative in vitro tests. <i>ATLA Alternatives To Laboratory Animals</i> , 2007 , 35, 33-8	2.1	37
41	TRPV1 expression and activity during retinoic acid-induced neuronal differentiation. <i>Neurochemistry International</i> , 2009 , 55, 768-74	4.4	30
40	Insulin and insulin-like growth factor type-I up-regulate the vanilloid receptor-1 (TRPV1) in stably TRPV1-expressing SH-SY5Y neuroblastoma cells. <i>Journal of Neuroscience Research</i> , 2007 , 85, 1413-9	4.4	29
39	Development of an in vitro test battery for the estimation of acute human systemic toxicity: An outline of the EDIT project. Evaluation-guided Development of New In Vitro Test Batteries. <i>ATLA Alternatives To Laboratory Animals</i> , 2002 , 30, 313-21	2.1	23
38	Determination of Critical Cellular Neurotoxic Concentrations in Human Neuroblastoma (SH-SY5Y) Cell Cultures. <i>ATLA Alternatives To Laboratory Animals</i> , 1995 , 23, 800-811	2.1	22
37	Low-dose/dose-rate γ radiation depresses neural differentiation and alters protein expression profiles in neuroblastoma SH-SY5Y cells and C17.2 neural stem cells. <i>Radiation Research</i> , 2011 , 175, 185-92	3.7	21
36	Development of a neurotoxicity assay that is tuned to detect mitochondrial toxicants. <i>Archives of Toxicology</i> , 2019 , 93, 1585-1608	5.8	20
35	Gene-environment interactions: neurodegeneration in non-mammals and mammals. <i>NeuroToxicology</i> , 2010 , 31, 582-8	4.4	16
34	Neurofunctional endpoints assessed in human neuroblastoma SH-SY5Y cells for estimation of acute systemic toxicity. <i>Toxicology and Applied Pharmacology</i> , 2010 , 245, 191-202	4.6	15

33	GABAA receptor and cell membrane potential as functional endpoints in cultured neurons to evaluate chemicals for human acute toxicity. <i>Neurotoxicology and Teratology</i> , 2010 , 32, 52-61	3.9	14
32	Insulin-like growth factor type 1 upregulates uncoupling protein 3. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 287, 1105-11	3.4	14
31	Multiparametric assessment of mitochondrial respiratory inhibition in HepG2 and RPTEC/TERT1 cells using a panel of mitochondrial targeting agrochemicals. <i>Archives of Toxicology</i> , 2020 , 94, 2707-2729	5.8	13
30	Evaluation of transcriptional activity of caspase-3 gene as a marker of acute neurotoxicity in rat cerebellar granular cells. <i>Toxicology in Vitro</i> , 2010 , 24, 465-71	3.6	13
29	Signalling pathways for insulin-like growth factor type 1-mediated expression of uncoupling protein 3. <i>Journal of Neurochemistry</i> , 2004 , 88, 462-8	6	13
28	The EU-ToxRisk method documentation, data processing and chemical testing pipeline for the regulatory use of new approach methods. <i>Archives of Toxicology</i> , 2020 , 94, 2435-2461	5.8	12
27	The effect of six sesquiterpenoid unsaturated dialdehydes on cell membrane permeability in human neuroblastoma SH-SY5Y cells. <i>Chemico-Biological Interactions</i> , 1992 , 84, 85-95	5	12
26	Surfactant-induced TRPV1 activity--a novel mechanism for eye irritation?. <i>Toxicological Sciences</i> , 2007 , 99, 174-80	4.4	11
25	Using novel in vitro NociOcular assay based on TRPV1 channel activation for prediction of eye sting potential of baby shampoos. <i>Toxicological Sciences</i> , 2012 , 129, 325-31	4.4	10
24	DNA low-density array analysis of colchicine neurotoxicity in rat cerebellar granular neurons. <i>NeuroToxicology</i> , 2008 , 29, 309-17	4.4	10
23	Development of a sensory neuronal cell model for the estimation of mild eye irritation. <i>ATLA Alternatives To Laboratory Animals</i> , 2004 , 32, 339-43	2.1	10
22	Structure-activity Relationships for Unsaturated Dialdehydes. V. Estimation of the Lipophilicity of Nineteen Sesquiterpenoid Unsaturated Dialdehydes, and Determination of their Chemical Stability in Three In Vitro Assay Media. <i>ATLA Alternatives To Laboratory Animals</i> , 1991 , 19, 171-177	2.1	9
21	Neurotoxicity and underlying cellular changes of 21 mitochondrial respiratory chain inhibitors. <i>Archives of Toxicology</i> , 2021 , 95, 591-615	5.8	9
20	Dynamic Qualities of Validation and the Evolution of New In Vitro Toxicological Tests. <i>ATLA Alternatives To Laboratory Animals</i> , 1996 , 24, 333-338	2.1	8
19	Whole genome microarray analysis of neural progenitor C17.2 cells during differentiation and validation of 30 neural mRNA biomarkers for estimation of developmental neurotoxicity. <i>PLoS ONE</i> , 2017 , 12, e0190066	3.7	7
18	Acrylamide alters CREB and retinoic acid signalling pathways during differentiation of the human neuroblastoma SH-SY5Y cell line. <i>Scientific Reports</i> , 2020 , 10, 16714	4.9	7
17	Polygodial induces inositol phosphate turnover in human neuroblastoma SH-SY5Y cells. <i>Neuroscience Letters</i> , 1996 , 217, 50-4	3.3	6
16	Sesquiterpenoid unsaturated dialdehydes increase the concentration of intracellular free Ca ²⁺ in human neuroblastoma SH-SY5Y cells. <i>Natural Toxins</i> , 1994 , 2, 89-95		6

15	Determination of ATP Leakage from Cultured Cells in Toxicity Testing: A Two-Step Bioluminescent Assay. <i>ATLA Alternatives To Laboratory Animals</i> , 1990 , 17, 188-190	2.1	6
14	Neurite Degeneration in Human Neuronal SH-SY5Y Cells as an Indicator of Axonopathy. <i>Neuromethods</i> , 2011 , 255-268	0.4	5
13	Functional alterations by a subgroup of neonicotinoid pesticides in human dopaminergic neurons. <i>Archives of Toxicology</i> , 2021 , 95, 2081-2107	5.8	4
12	Acute effects of the imidacloprid metabolite desnitro-imidacloprid on human nACh receptors relevant for neuronal signaling. <i>Archives of Toxicology</i> , 2021 , 95, 3695-3716	5.8	3
11	Does the food processing contaminant acrylamide cause developmental neurotoxicity? A review and identification of knowledge gaps. <i>Reproductive Toxicology</i> , 2021 , 101, 93-114	3.4	3
10	Altered mRNA Expression and Cell Membrane Potential in the Differentiated C17.2 Cell Model as Indicators of Acute Neurotoxicity. <i>Applied in Vitro Toxicology</i> , 2017 , 3, 154-162	1.3	2
9	Cytotoxicity of amino alcohols to rat hepatoma-derived Fa32 cells. <i>ATLA Alternatives To Laboratory Animals</i> , 2002 , 30, 309-12	2.1	2
8	Mapping the cellular response to electron transport chain inhibitors reveals selective signaling networks triggered by mitochondrial perturbation. <i>Archives of Toxicology</i> , 2021 , 1	5.8	2
7	Nordic symposium on "toxicology and pharmacology without animal experiments-Will it be possible in the next 10 years?". <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019 , 124, 560-567	3.1	2
6	Contributions of the Scandinavian Countries to the Development of Non-Animal Alternatives in Toxicology 2019 , 47-58		2
5	New approach methods (NAMs) supporting read-across: Two neurotoxicity AOP-based IATA case studies. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2021 , 38, 615-635	4.3	2
4	Measurement of cell membrane toxicity by means of 2-deoxy-D-glucose. <i>Methods in Molecular Biology</i> , 1995 , 43, 129-35	1.4	1
3	Creating an efficient screening model for TRPV1 agonists using conformal prediction. <i>Computational Toxicology</i> , 2018 , 6, 9-15	3.1	
2	The Twentieth Workshop of the Scandinavian Society for Cell Toxicology. <i>ATLA Alternatives To Laboratory Animals</i> , 2003 , 31, 239-240	2.1	
1	In vitro toxicity: mechanisms, alternatives and validation - a report from the 19th annual scientific meeting of the Scandinavian Society for Cell Toxicology. <i>ATLA Alternatives To Laboratory Animals</i> , 2002 , 30, 307-8	2.1	