Anna Forsby

List of Publications by Year
in descending order

51 papers	1,436 citations	331259 21 h-index	329751 37 g-index
52 all docs	52 docs citations	52 times ranked	1967 citing authors

#	Article	IF	Citations
1	Adverse outcome pathways: opportunities, limitations and open questions. Archives of Toxicology, 2017, 91, 3477-3505.	1.9	282
2	In vitro acute and developmental neurotoxicity screening: an overview of cellular platforms and high-throughput technical possibilities. Archives of Toxicology, 2017, 91, 1-33.	1.9	132
3	Putative adverse outcome pathways relevant to neurotoxicity. Critical Reviews in Toxicology, 2015, 45, 83-91.	1.9	92
4	Integration of in vitro neurotoxicity data with biokinetic modelling for the estimation of in vivo neurotoxicity. Human and Experimental Toxicology, 2007, 26, 333-338.	1.1	64
5	Alternative approaches for identifying acute systemic toxicity: Moving from research to regulatory testing. Toxicology in Vitro, 2017, 41, 245-259.	1.1	54
6	Blood-Brain Barrier In Vitro Models and Their Application in Toxicology: The Report and Recommendations of ECVAM Workshop 49,. ATLA Alternatives To Laboratory Animals, 2004, 32, 37-50.	0.7	50
7	Insulin-like growth factor type 1 prevents hyperglycemia-induced uncoupling protein 3 down-regulation and oxidative stress. Journal of Neuroscience Research, 2004, 77, 285-291.	1.3	50
8	Optimisation of culture conditions for differentiation of C17.2 neural stem cells to be used for in vitro toxicity tests. Toxicology in Vitro, 2013, 27, 1565-1569.	1.1	45
9	The Integrated Acute Systemic Toxicity Project (ACuteTox) for the Optimisation and Validation of Alternative In Vitro Tests. ATLA Alternatives To Laboratory Animals, 2007, 35, 33-38.	0.7	38
10	TRPV1 expression and activity during retinoic acid-induced neuronal differentiation. Neurochemistry International, 2009, 55, 768-774.	1.9	36
11	Insulin and insulin-like growth factor type-I up-regulate the vanilloid receptor-1 (TRPV1) in stably TRPV1-expressing SH-SY5Y neuroblastoma cells. Journal of Neuroscience Research, 2007, 85, 1413-1419.	1.3	34
12	Development of a neurotoxicity assay that is tuned to detect mitochondrial toxicants. Archives of Toxicology, 2019, 93, 1585-1608.	1.9	34
13	Multiparametric assessment of mitochondrial respiratory inhibition in HepG2 and RPTEC/TERT1 cells using a panel of mitochondrial targeting agrochemicals. Archives of Toxicology, 2020, 94, 2707-2729.	1.9	32
14	Functional alterations by a subgroup of neonicotinoid pesticides in human dopaminergic neurons. Archives of Toxicology, 2021, 95, 2081-2107.	1.9	32
15	The EU-ToxRisk method documentation, data processing and chemical testing pipeline for the regulatory use of new approach methods. Archives of Toxicology, 2020, 94, 2435-2461.	1.9	30
16	Acute effects of the imidacloprid metabolite desnitro-imidacloprid on human nACh receptors relevant for neuronal signaling. Archives of Toxicology, 2021, 95, 3695-3716.	1.9	28
17	Determination of Critical Cellular Neurotoxic Concentrations in Human Neuroblastoma (SH-SY5Y) Cell Cultures. ATLA Alternatives To Laboratory Animals, 1995, 23, 800-811.	0.7	27
18	Acrylamide alters CREB and retinoic acid signalling pathways during differentiation of the human neuroblastoma SH-SY5Y cell line. Scientific Reports, 2020, 10, 16714.	1.6	26

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19	Neurotoxicity and underlying cellular changes of 21 mitochondrial respiratory chain inhibitors. Archives of Toxicology, 2021, 95, 591-615.	1.9	26
20	Development of an In Vitro Test Battery for the Estimation of Acute Human Systemic Toxicity: An Outline of the EDIT Project. ATLA Alternatives To Laboratory Animals, 2002, 30, 313-321.	0.7	25
21	Low-Dose/Dose-Rate Î³ Radiation Depresses Neural Differentiation and Alters Protein Expression Profiles in Neuroblastoma SH-SY5Y Cells and C17.2 Neural Stem Cells. Radiation Research, 2010, 175, 185.	0.7	24
22	Neurofunctional endpoints assessed in human neuroblastoma SH-SY5Y cells for estimation of acute systemic toxicity. Toxicology and Applied Pharmacology, 2010, 245, 191-202.	1.3	20
23	Does the food processing contaminant acrylamide cause developmental neurotoxicity? A review and identification of knowledge gaps. Reproductive Toxicology, 2021, 101, 93-114.	1.3	20
24	Signalling pathways for insulinâ€like growth factor typeâ€ƒ1â€mediated expression of uncoupling protein 3. Journal of Neurochemistry, 2004, 88, 462-468.	2.1	18
25	Geneâ€“environment interactions: Neurodegeneration in non-mammals and mammals. NeuroToxicology, 2010, 31, 582-588.	1.4	18
26	Insulin-like Growth Factor Type 1 Upregulates Uncoupling Protein 3. Biochemical and Biophysical Research Communications, 2001, 287, 1105-1111.	1.0	17
27	Evaluation of transcriptional activity of caspase-3 gene as a marker of acute neurotoxicity in rat cerebellar granular cells. Toxicology in Vitro, 2010, 24, 465-471.	1.1	15
28	GABAA receptor and cell membrane potential as functional endpoints in cultured neurons to evaluate chemicals for human acute toxicity. Neurotoxicology and Teratology, 2010, 32, 52-61.	1.2	14
29	The effect of six sesquiterpenoid unsaturated dialdehydes on cell membrane permeability in human neuroblastoma SH-SY5Y cells. Chemico-Biological Interactions, 1992, 84, 85-95.	1.7	13
30	Surfactant-Induced TRPV1 Activity A Novel Mechanism for Eye Irritation?. Toxicological Sciences, 2007, 99, 174-180.	1.4	13
31	Whole genome microarray analysis of neural progenitor C17.2 cells during differentiation and validation of 30 neural mRNA biomarkers for estimation of developmental neurotoxicity. PLoS ONE, 2017, 12, e0190066.	1.1	13
32	Development of a Sensory Neuronal Cell Model for the Estimation of Mild Eye Irritation. ATLA Alternatives To Laboratory Animals, 2004, 32, 339-343.	0.7	12
33	DNA low-density array analysis of colchicine neurotoxicity in rat cerebellar granular neurons. NeuroToxicology, 2008, 29, 309-317.	1.4	11
34	Using Novel In Vitro NociOcular Assay Based on TRPV1 Channel Activation for Prediction of Eye Sting Potential of Baby Shampoos. Toxicological Sciences, 2012, 129, 325-331.	1.4	11
35	New approach methods supporting read-across: Two neurotoxicity AOP-based IATA case studies. ALTEX: Alternatives To Animal Experimentation, 2021, 38, 615-635.	0.9	9
36	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. ATLA Alternatives To Laboratory Animals, 1991, 19, 171-177.	0.7	9

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37	Dynamic Qualities of Validation and the Evolution of New In Vitro Toxicological Tests. ATLA Alternatives To Laboratory Animals, 1996, 24, 333-338.	0.7	9
38	Sesquiterpenoid unsaturated dialdehydes increase the concentration of intracellular free Ca2+ in human neuroblastoma SH-SY5Y cells. Natural Toxins, 1994, 2, 89-95.	1.0	8
39	Nordic symposium on â€œtoxicology and pharmacology without animal experimentsâ€”Will it be possible in the next 10Âyears?â€. Basic and Clinical Pharmacology and Toxicology, 2019, 124, 560-567.	1.2	8
40	Polygodial induces inositol phosphate turnover in human neuroblastoma SH-SY5Y cells. Neuroscience Letters, 1996, 217, 50-54.	1.0	7
41	Neurite Degeneration in Human Neuronal SH-SY5Y Cells as an Indicator of Axonopathy. Neuromethods, 2011, , 255-268.	0.2	7
42	Mapping the cellular response to electron transport chain inhibitors reveals selective signaling networks triggered by mitochondrial perturbation. Archives of Toxicology, 2022, 96, 259-285.	1.9	7
43	Determination of ATP Leakage from Cultured Cells in Toxicity Testing: A Two-Step Bioluminescent Assay. ATLA Alternatives To Laboratory Animals, 1990, 17, 188-190.	0.7	7
44	Cytotoxicity of Amino Alcohols to Rat Hepatoma-derived Fa32 Cells. ATLA Alternatives To Laboratory Animals, 2002, 30, 309-312.	0.7	2
45	Altered mRNA Expression and Cell Membrane Potential in the Differentiated C17.2 Cell Model as Indicators of Acute Neurotoxicity. Applied in Vitro Toxicology, 2017, 3, 154-162.	0.6	2
46	Contributions of the Scandinavian Countries to the Development of Non-Animal Alternatives in Toxicology. , 2019, , 47-58.		2
47	Measurement of Cell Membrane Toxicity by Means of 2-Deoxy-D-Glucose. , 1995, 43, 129-135.		1
48	Zebrafish embryo neonicotinoid developmental neurotoxicity in the FET test and behavioral assays. ALTEX: Alternatives To Animal Experimentation, 2022, , .	0.9	1
49	In Vitro Toxicity: Mechanisms, Alternatives and Validation â€” A Report from the 19th Annual Scientific Meeting of the Scandinavian Society for Cell Toxicology. ATLA Alternatives To Laboratory Animals, 2002, 30, 307-308.	0.7	0
50	The Twentieth Workshop of the Scandinavian Society for Cell Toxicology. ATLA Alternatives To Laboratory Animals, 2003, 31, 239-240.	0.7	0
51	Creating an efficient screening model for TRPV1 agonists using conformal prediction. Computational Toxicology, 2018, 6, 9-15.	1.8	0