

Marcel Leist

List of Publications by Year in descending order

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346
papers

28,942
citations

3919

88
h-index

6630

156
g-index

380
all docs

380
docs citations

380
times ranked

25997
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracellular Adenosine Triphosphate (ATP) Concentration: A Switch in the Decision Between Apoptosis and Necrosis. <i>Journal of Experimental Medicine</i> , 1997, 185, 1481-1486.	4.2	1,773
2	Four deaths and a funeral: from caspases to alternative mechanisms. <i>Nature Reviews Molecular Cell Biology</i> , 2001, 2, 589-598.	16.1	1,737
3	Derivatives of Erythropoietin That Are Tissue Protective But Not Erythropoietic. <i>Science</i> , 2004, 305, 239-242.	6.0	775
4	Lysosomes in cell death. <i>Oncogene</i> , 2004, 23, 2881-2890.	2.6	658
5	Cathepsin B Acts as a Dominant Execution Protease in Tumor Cell Apoptosis Induced by Tumor Necrosis Factor. <i>Journal of Cell Biology</i> , 2001, 153, 999-1010.	2.3	586
6	The suitability of BV2 cells as alternative model system for primary microglia cultures or for animal experiments examining brain inflammation. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2009, 26, 83-94.	0.9	579
7	Targeting Chelatable Iron as a Therapeutic Modality in Parkinson's Disease. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 195-210.	2.5	488
8	Concanavalin A-induced T-cell-mediated hepatic injury in mice: The role of tumor necrosis factor*1. <i>Hepatology</i> , 1995, 21, 190-198.	3.6	433
9	Asialoerythropoietin is a nonerythropoietic cytokine with broad neuroprotective activity in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 6741-6746.	3.3	416
10	Tumor necrosis factor-induced hepatocyte apoptosis precedes liver failure in experimental murine shock models. <i>American Journal of Pathology</i> , 1995, 146, 1220-34.	1.9	407
11	Murine hepatocyte apoptosis induced in vitro and in vivo by TNF-alpha requires transcriptional arrest. <i>Journal of Immunology</i> , 1994, 153, 1778-88.	0.4	378
12	Concanavalin A-induced T-cell-mediated hepatic injury in mice: The role of tumor necrosis factor. <i>Hepatology</i> , 1995, 21, 190-198.	3.6	377
13	The Shape of Cell Death. <i>Biochemical and Biophysical Research Communications</i> , 1997, 236, 1-9.	1.0	295
14	Intracellular ATP, a switch in the decision between apoptosis and necrosis. <i>Toxicology Letters</i> , 1998, 102-103, 139-142.	0.4	293
15	Adverse outcome pathways: opportunities, limitations and open questions. <i>Archives of Toxicology</i> , 2017, 91, 3477-3505.	1.9	282
16	Caspase inhibition reduces apoptosis and increases survival of nigral transplants. <i>Nature Medicine</i> , 1999, 5, 97-100.	15.2	279
17	Age-related Macular Degeneration. <i>Journal of Biological Chemistry</i> , 2000, 275, 39625-39630.	1.6	279
18	Rapid, complete and large-scale generation of postmitotic neurons from the human LUHMES cell line. <i>Journal of Neurochemistry</i> , 2011, 119, 957-971.	2.1	261

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19	Apoptosis, Excitotoxicity, and Neuropathology. <i>Experimental Cell Research</i> , 1998, 239, 183-201.	1.2	258
20	Activation of the 55 kDa TNF receptor is necessary and sufficient for TNF-induced liver failure, hepatocyte apoptosis, and nitrite release. <i>Journal of Immunology</i> , 1995, 154, 1307-16.	0.4	254
21	Inhibition of Mitochondrial ATP Generation by Nitric Oxide Switches Apoptosis to Necrosis. <i>Experimental Cell Research</i> , 1999, 249, 396-403.	1.2	250
22	Neuronal cell death: a demise with different shapes. <i>Trends in Pharmacological Sciences</i> , 1999, 20, 46-51.	4.0	241
23	Progressive Degeneration of Human Mesencephalic Neuron-Derived Cells Triggered by Dopamine-Dependent Oxidative Stress Is Dependent on the Mixed-Lineage Kinase Pathway. <i>Journal of Neuroscience</i> , 2005, 25, 6329-6342.	1.7	224
24	Novel urinary metabolite of alpha-tocopherol, 2,5,7,8-tetramethyl-2(2-hydroxyethyl)-6-hydroxychroman, as an indicator of an adequate vitamin E supply?. <i>American Journal of Clinical Nutrition</i> , 1995, 62, 1527S-1534S.	2.2	222
25	Human embryonic stem cell-derived test systems for developmental neurotoxicity: a transcriptomics approach. <i>Archives of Toxicology</i> , 2013, 87, 123-143.	1.9	222
26	Transgenic mice expressing a Huntington's disease mutation are resistant to quinolinic acid-induced striatal excitotoxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 8727-8732.	3.3	215
27	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
28	Tumor necrosis factor-induced apoptosis during the poisoning of mice with hepatotoxins. <i>Gastroenterology</i> , 1997, 112, 923-934.	0.6	191
29	A roadmap for the development of alternative (non-animal) methods for systemic toxicity testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2012, 29, 3-91.	0.9	190
30	The dynamics of the LPS triggered inflammatory response of murine microglia under different culture and in vivo conditions. <i>Journal of Neuroimmunology</i> , 2006, 180, 71-87.	1.1	187
31	Triggering of apoptosis by cathepsins. <i>Cell Death and Differentiation</i> , 2001, 8, 324-326.	5.0	186
32	Caspase-Mediated Apoptosis in Neuronal Excitotoxicity Triggered by Nitric Oxide. <i>Molecular Medicine</i> , 1997, 3, 750-764.	1.9	174
33	Ex vivo culture of intestinal crypt organoids as a model system for assessing cell death induction in intestinal epithelial cells and enteropathy. <i>Cell Death and Disease</i> , 2014, 5, e1228-e1228.	2.7	170
34	State-of-the-art of 3D cultures (organs-on-a-chip) in safety testing and pathophysiology. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014, 31, 441-477.	0.9	166
35	Metabolomics in toxicology and preclinical research. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2013, 30, 209-225.	0.9	164
36	Pathological apoptosis in the developing brain. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007, 12, 993-1010.	2.2	162

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37	Granulocyte colony-stimulating factor treatment protects rodents against lipopolysaccharide-induced toxicity via suppression of systemic tumor necrosis factor- α . <i>Journal of Immunology</i> , 1992, 149, 918-24.	0.4	157
38	Neuroprotective properties of memantine in different <i>in vitro</i> and <i>in vivo</i> models of excitotoxicity. <i>European Journal of Neuroscience</i> , 2006, 23, 2611-2622.	1.2	154
39	Selective Nitration of Prostacyclin Synthase and Defective Vasorelaxation in Atherosclerotic Bovine Coronary Arteries. <i>American Journal of Pathology</i> , 1999, 154, 1359-1365.	1.9	151
40	1-Methyl-4-Phenylpyridinium Induces Autocrine Excitotoxicity, Protease Activation, and Neuronal Apoptosis. <i>Molecular Pharmacology</i> , 1998, 54, 789-801.	1.0	144
41	Toxicogenomics directory of chemically exposed human hepatocytes. <i>Archives of Toxicology</i> , 2014, 88, 2261-2287.	1.9	143
42	Conventional cell culture media do not adequately supply cells with antioxidants and thus facilitate peroxide-induced genotoxicity. <i>Free Radical Biology and Medicine</i> , 1996, 21, 297-306.	1.3	141
43	Sensitization to the Lysosomal Cell Death Pathway upon Immortalization and Transformation. <i>Cancer Research</i> , 2004, 64, 5301-5310.	0.4	141
44	Inflammatory findings on species extrapolations: humans are definitely not 70-kg mice. <i>Archives of Toxicology</i> , 2013, 87, 563-567.	1.9	140
45	Apoptosis in the Absence of Poly-(ADP-ribose) Polymerase. <i>Biochemical and Biophysical Research Communications</i> , 1997, 233, 518-522.	1.0	138
46	<i>In vitro</i> 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
47	Peroxynitrite and Nitric Oxide Donors Induce Neuronal Apoptosis by Eliciting Autocrine Excitotoxicity. <i>European Journal of Neuroscience</i> , 1997, 9, 1488-1498.	1.2	130
48	ICE-protease inhibitors block murine liver injury and apoptosis caused by CD95 or by TNF- α . <i>Immunology Letters</i> , 1997, 55, 5-10.	1.1	130
49	Apoptosis and necrosis: different execution of the same death. <i>Biochemical Society Symposia</i> , 1999, 66, 69-73.	2.7	130
50	Evaluation of a human neurite growth assay as specific screen for developmental neurotoxicants. <i>Archives of Toxicology</i> , 2013, 87, 2215-2231.	1.9	130
51	International Stakeholder Network (ISTNET): creating a developmental neurotoxicity (DNT) testing road map for regulatory purposes. <i>Archives of Toxicology</i> , 2015, 89, 269-287.	1.9	130
52	Cytoskeletal Breakdown and Apoptosis Elicited by NO Donors in Cerebellar Granule Cells Require NMDA Receptor Activation. <i>Journal of Neurochemistry</i> , 1996, 67, 2484-2493.	2.1	128
53	Reduced Functional Deficits, Neuroinflammation, and Secondary Tissue Damage after Treatment of Stroke by Nonerythropoietic Erythropoietin Derivatives. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 552-563.	2.4	128
54	Rapid, noninflammatory and PS-dependent phagocytic clearance of necrotic cells. <i>Cell Death and Differentiation</i> , 2003, 10, 1156-1164.	5.0	127

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55	The novel SAR-binding domain of scaffold attachment factor A (SAF-A) is a target in apoptotic nuclear breakdown. <i>EMBO Journal</i> , 1997, 16, 7361-7371.	3.5	125
56	Biology-inspired microphysiological systems to advance medicines for patient benefit and animal welfare. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2020, 37, 365-394.	0.9	123
57	The 55-kD Tumor Necrosis Factor Receptor and CD95 Independently Signal Murine Hepatocyte Apoptosis and Subsequent Liver Failure. <i>Molecular Medicine</i> , 1996, 2, 109-124.	1.9	122
58	Energy supply and the shape of death in neurons and lymphoid cells. <i>Cell Death and Differentiation</i> , 1997, 4, 435-442.	5.0	122
59	Assessment of Chemical-Induced Impairment of Human Neurite Outgrowth by Multiparametric Live Cell Imaging in High-Density Cultures. <i>Toxicological Sciences</i> , 2011, 121, 73-87.	1.4	121
60	Recommendation on test readiness criteria for new approach methods in toxicology: Exemplified for developmental neurotoxicity. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2018, 35, 306-352.	0.9	121
61	Decrease in parvalbumin-expressing neurons in the hippocampus and increased phencyclidine-induced locomotor activity in the rat methylazoxymethanol (MAM) model of schizophrenia. <i>European Journal of Neuroscience</i> , 2006, 23, 279-284.	1.2	120
62	Astrocyte Differentiation of Human Pluripotent Stem Cells: New Tools for Neurological Disorder Research. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 215.	1.8	120
63	Eradication of glioblastoma, and breast and colon carcinoma xenografts by Hsp70 depletion. <i>Cancer Research</i> , 2002, 62, 7139-42.	0.4	118
64	Overexpression of heat shock protein 70 in R6/2 Huntington's disease mice has only modest effects on disease progression. <i>Brain Research</i> , 2003, 970, 47-57.	1.1	117
65	Oxidative and nitrative alpha-synuclein modifications and proteostatic stress: implications for disease mechanisms and interventions in synucleinopathies. <i>Journal of Neurochemistry</i> , 2013, 125, 491-511.	2.1	116
66	Efficacy of small molecule glycogen synthase kinase-3 inhibitors in the postnatal rat model of tau hyperphosphorylation. <i>British Journal of Pharmacology</i> , 2007, 152, 959-979.	2.7	115
67	Consensus report on the future of animal-free systemic toxicity testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014, 31, 341-356.	0.9	113
68	Energy Requirement for Caspase Activation and Neuronal Cell Death. <i>Brain Pathology</i> , 2000, 10, 276-282.	2.1	112
69	The dawning of a new age of toxicology. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2008, 25, 103-114.	0.9	111
70	The nonerythropoietic asialoerythropoietin protects against neonatal hypoxia-ischemia as potently as erythropoietin. <i>Journal of Neurochemistry</i> , 2004, 91, 900-910.	2.1	110
71	Irradiation-induced progenitor cell death in the developing brain is resistant to erythropoietin treatment and caspase inhibition. <i>Cell Death and Differentiation</i> , 2004, 11, 1166-1178.	5.0	109
72	Non-animal models of epithelial barriers (skin, intestine and lung) in research, industrial applications and regulatory toxicology. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2015, 32, 327-378.	0.9	108

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73	The network formation assay: a spatially standardized neurite outgrowth analytical display for neurotoxicity screening. <i>Lab on A Chip</i> , 2010, 10, 701.	3.1	106
74	Animal testing and its alternatives – the most important omics is economics. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2018, 35, 275-305.	0.9	105
75	Hypersensitivity to seizures in β -amyloid precursor protein deficient mice. <i>Cell Death and Differentiation</i> , 1998, 5, 858-866.	5.0	104
76	The Sonic Hedgehog Pathway Mediates Carbamylated Erythropoietin-enhanced Proliferation and Differentiation of Adult Neural Progenitor Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 32462-32470.	1.6	103
77	Developmental neurotoxicity – Challenges in the 21st Century and In Vitro Opportunities. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014, 31, 129-56.	0.9	103
78	Design Principles of Concentration-Dependent Transcriptome Deviations in Drug-Exposed Differentiating Stem Cells. <i>Chemical Research in Toxicology</i> , 2014, 27, 408-420.	1.7	103
79	Apoptosis in Caspase-inhibited Neurons. <i>Molecular Medicine</i> , 2001, 7, 36-48.	1.9	101
80	State-of-the-art of 3D cultures (organs-on-a-chip) in safety testing and pathophysiology. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014, 31, 441-477.	0.9	101
81	The Expression of Plasma Membrane Ca ²⁺ Pump Isoforms in Cerebellar Granule Neurons Is Modulated by Ca ²⁺ . <i>Journal of Biological Chemistry</i> , 1999, 274, 1667-1676.	1.6	100
82	Tumor necrosis factor-induced hepatic DNA fragmentation as an early marker of T cell-dependent liver injury in mice. <i>Gastroenterology</i> , 1995, 109, 166-176.	0.6	97
83	Simultaneous release of adenylate kinase and cytochrome c in cell death. <i>Cell Death and Differentiation</i> , 1998, 5, 1001-1003.	5.0	97
84	Calcium and neuronal death. , 1998, 132, 79-125.		96
85	DNA fragmentation in mouse organs during endotoxic shock. <i>American Journal of Pathology</i> , 1996, 149, 1381-93.	1.9	95
86	Phagocytosis of Nonapoptotic Cells Dying by Caspase- Independent Mechanisms. <i>Journal of Immunology</i> , 2000, 164, 6520-6529.	0.4	94
87	Requirement of a dopaminergic neuronal phenotype for toxicity of low concentrations of 1-methyl-4-phenylpyridinium to human cells. <i>Toxicology and Applied Pharmacology</i> , 2009, 241, 23-35.	1.3	94
88	Reference compounds for alternative test methods to indicate developmental neurotoxicity (DNT) potential of chemicals: example lists and criteria for their selection and use. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 49-74.	0.9	94
89	Evaluation of Developmental Toxicants and Signaling Pathways in a Functional Test Based on the Migration of Human Neural Crest Cells. <i>Environmental Health Perspectives</i> , 2012, 120, 1116-1122.	2.8	93
90	Toxicity of organic and inorganic mercury species in differentiated human neurons and human astrocytes. <i>Journal of Trace Elements in Medicine and Biology</i> , 2015, 32, 200-208.	1.5	91

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91	A 3-dimensional human embryonic stem cell (hESC)-derived model to detect developmental neurotoxicity of nanoparticles. Archives of Toxicology, 2013, 87, 721-733.	1.9	90
92	A LUHMES 3D dopaminergic neuronal model for neurotoxicity testing allowing long-term exposure and cellular resilience analysis. Archives of Toxicology, 2016, 90, 2725-2743.	1.9	90
93	Consensus statement on the need for innovation, transition and implementation of developmental neurotoxicity (DNT) testing for regulatory purposes. Toxicology and Applied Pharmacology, 2018, 354, 3-6.	1.3	90
94	Neuroprotection by Minocycline Caused by Direct and Specific Scavenging of Peroxynitrite. Journal of Biological Chemistry, 2011, 286, 4991-5002.	1.6	89
95	ATP Controls Neuronal Apoptosis Triggered by Microtubule Breakdown or Potassium Deprivation. Molecular Medicine, 1999, 5, 477-489.	1.9	88
96	Epigenetic changes and disturbed neural development in a human embryonic stem cell-based model relating to the fetal valproate syndrome. Human Molecular Genetics, 2012, 21, 4104-4114.	1.4	88
97	Metabolic Depletion of Atp by Fructose Inversely Controls Cd95- and Tumor Necrosis Factor Receptor 1-mediated Hepatic Apoptosis. Journal of Experimental Medicine, 2000, 191, 1975-1986.	4.2	87
98	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
99	The use of biomarkers of toxicity for integrating in vitro hazard estimates into risk assessment for humans. ALTEX: Alternatives To Animal Experimentation, 2012, 29, 411-425.	0.9	87
100	Prediction of human drug-induced liver injury (DILI) in relation to oral doses and blood concentrations. Archives of Toxicology, 2019, 93, 1609-1637.	1.9	86
101	The inflammatory transcriptome of reactive murine astrocytes and implications for their innate immune function. Journal of Neurochemistry, 2006, 96, 893-907.	2.1	85
102	Interleukin-1 and nitric oxide protect against tumor necrosis factor α -induced liver injury through distinct pathways. Hepatology, 1995, 22, 1829-1837.	3.6	84
103	Translating neurobehavioural endpoints of developmental neurotoxicity tests into in vitro assays and readouts. NeuroToxicology, 2012, 33, 911-924.	1.4	84
104	Transcriptional and metabolic adaptation of human neurons to the mitochondrial toxicant MPP+. Cell Death and Disease, 2014, 5, e1222-e1222.	2.7	84
105	Defined inflammatory states in astrocyte cultures: correlation with susceptibility towards CD95-driven apoptosis. Journal of Neurochemistry, 2004, 88, 181-193.	2.1	83
106	Markers of murine embryonic and neural stem cells, neurons and astrocytes: reference points for developmental neurotoxicity testing. ALTEX: Alternatives To Animal Experimentation, 2010, 27, 17-42.	0.9	83
107	Nonhematopoietic Erythropoietin Derivatives Prevent Motoneuron Degeneration In Vitro and In Vivo. Molecular Medicine, 2006, 12, 153-160.	1.9	82
108	A transcriptome-based classifier to identify developmental toxicants by stem cell testing: design, validation and optimization for histone deacetylase inhibitors. Archives of Toxicology, 2015, 89, 1599-1618.	1.9	82

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109	Towards grouping concepts based on new approach methodologies in chemical hazard assessment: the read-across approach of the EU-ToxRisk project. <i>Archives of Toxicology</i> , 2019, 93, 3643-3667.	1.9	82
110	Botulinum neurotoxin C initiates two different programs for neurite degeneration and neuronal apoptosis. <i>Journal of Cell Biology</i> , 2005, 168, 607-618.	2.3	81
111	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
112	Food for thought – on the evolution of toxicology and the phasing out of animal testing. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2008, 25, 91-96.	0.9	81
113	Additive Effects of Caspase Inhibitor and Lazaroid on the Survival of Transplanted Rat and Human Embryonic Dopamine Neurons. <i>Experimental Neurology</i> , 2000, 164, 102-111.	2.0	80
114	Coordinated waves of gene expression during neuronal differentiation of embryonic stem cells as basis for novel approaches to developmental neurotoxicity testing. <i>Cell Death and Differentiation</i> , 2011, 18, 383-395.	5.0	79
115	Spatial control of Cdc42 signalling by a GM130-RasGRF complex regulates polarity and tumorigenesis. <i>Nature Communications</i> , 2014, 5, 4839.	5.8	79
116	Vesicular monoamine transporter 2 regulates the sensitivity of rat dopaminergic neurons to disturbed cytosolic dopamine levels. <i>Brain Research</i> , 2007, 1185, 18-32.	1.1	78
117	Cascade of Caspase Activation in Potassium-Deprived Cerebellar Granule Neurons: Targets for Treatment with Peptide and Protein Inhibitors of Apoptosis. <i>Molecular and Cellular Neurosciences</i> , 2001, 17, 717-731.	1.0	77
118	An adverse outcome pathway for parkinsonian motor deficits associated with mitochondrial complex I inhibition. <i>Archives of Toxicology</i> , 2018, 92, 41-82.	1.9	77
119	Comparison of neuroprotective effects of erythropoietin (EPO) and carbamylerythropoietin (CEPO) against ischemia-like oxygen-glucose deprivation (OGD) and NMDA excitotoxicity in mouse hippocampal slice cultures. <i>Experimental Neurology</i> , 2007, 204, 106-117.	2.0	75
120	Toxicity testing in the 21st century beyond environmental chemicals. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2015, 32, 171-181.	0.9	74
121	Mitogen-Activated Protein Kinase-Activated Protein Kinase 2-Deficient Mice Show Increased Susceptibility to <i>Listeria monocytogenes</i> Infection. <i>Journal of Immunology</i> , 2002, 168, 4667-4673.	0.4	73
122	Alpha-Synuclein Binds to the Inner Membrane of Mitochondria in an α -Helical Conformation. <i>ChemBioChem</i> , 2014, 15, 2499-2502.	1.3	73
123	OECD/EFSA workshop on developmental neurotoxicity (DNT): The use of non-animal test methods for regulatory purposes. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 311-315.	0.9	73
124	T Cell Stimulus-Induced Crosstalk between Lymphocytes and Liver Macrophages Results in Augmented Cytokine Release. <i>Experimental Cell Research</i> , 1996, 229, 137-146.	1.2	69
125	Compound selection for in vitro modeling of developmental neurotoxicity. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 2442.	3.0	69
126	Stem Cell-Derived Immature Human Dorsal Root Ganglia Neurons to Identify Peripheral Neurotoxicants. <i>Stem Cells Translational Medicine</i> , 2016, 5, 476-487.	1.6	69

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127	From transient transcriptome responses to disturbed neurodevelopment: role of histone acetylation and methylation as epigenetic switch between reversible and irreversible drug effects. Archives of Toxicology, 2014, 88, 1451-1468.	1.9	67
128	Sensitivity of Dopaminergic Neuron Differentiation from Stem Cells to Chronic Low-Dose Methylmercury Exposure. Toxicological Sciences, 2011, 121, 357-367.	1.4	66
129	Interleukin-1 and nitric oxide protect against tumor necrosis factor alpha-induced liver injury through distinct pathways. Hepatology, 1995, 22, 1829-37.	3.6	66
130	Specific Modulation of Astrocyte Inflammation by Inhibition of Mixed Lineage Kinases with CEP-1347. Journal of Immunology, 2004, 173, 2762-2770.	0.4	65
131	Inhibition of microglial inflammation by the MLK inhibitor CEP-1347. Journal of Neurochemistry, 2005, 92, 1439-1451.	2.1	65
132	Asialoerythropoietin is not effective in the R6/2 line of Huntington's disease mice. BMC Neuroscience, 2004, 5, 17.	0.8	63
133	Multiparameter toxicity assessment of novel DOPO-derived organophosphorus flame retardants. Archives of Toxicology, 2017, 91, 407-425.	1.9	63
134	Profiling of drugs and environmental chemicals for functional impairment of neural crest migration in a novel stem cell-based test battery. Archives of Toxicology, 2014, 88, 1109-26.	1.9	62
135	The biological and ethical basis of the use of human embryonic stem cells for in vitro test systems or cell therapy. ALTEX: Alternatives To Animal Experimentation, 2008, , 163-190.	0.9	61
136	Functional and immunochemical characterisation of different antibodies against the erythropoietin receptor. Journal of Neuroscience Methods, 2007, 164, 50-58.	1.3	60
137	Tributyltin-Induced Apoptosis Requires Glycolytic Adenosine Trisphosphate Production. Chemical Research in Toxicology, 1999, 12, 874-882.	1.7	59
138	Validation and quality control of replacement alternatives " current status and future challenges. Toxicology Research, 2012, 1, 8-22.	0.9	59
139	Generation of genetically-modified human differentiated cells for toxicological tests and the study of neurodegenerative diseases. ALTEX: Alternatives To Animal Experimentation, 2013, 30, 427-444.	0.9	59
140	Tipping Points and Endogenous Determinants of Nigrostriatal Degeneration by MPTP. Trends in Pharmacological Sciences, 2017, 38, 541-555.	4.0	58
141	Canagliflozin mediated dual inhibition of mitochondrial glutamate dehydrogenase and complex I: an off-target adverse effect. Cell Death and Disease, 2018, 9, 226.	2.7	58
142	Nitric Oxide Inhibits Execution of Apoptosis at Two Distinct ATP-Dependent Steps Upstream and Downstream of Mitochondrial Cytochrome c Release. Biochemical and Biophysical Research Communications, 1999, 258, 215-221.	1.0	57
143	Reduced Immunoproteasome Formation and Accumulation of Immunoproteasomal Precursors in the Brains of Lymphocytic Choriomeningitis Virus-Infected Mice. Journal of Immunology, 2010, 185, 5549-5560.	0.4	57
144	Critical evaluation of the use of dogs in biomedical research and testing in Europe. ALTEX: Alternatives To Animal Experimentation, 2011, 28, 326-340.	0.9	57

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145	A novel mechanism of murine hepatocyte death inducible by Concanavalin A. <i>Journal of Hepatology</i> , 1996, 25, 948-959.	1.8	56
146	Detectable concentrations of Fas ligand in cerebrospinal fluid after severe head injury. <i>Journal of Neuroimmunology</i> , 1997, 80, 93-96.	1.1	56
147	Novel technologies and an overall strategy to allow hazard assessment and risk prediction of chemicals, cosmetics, and drugs with animal-free methods. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2012, 29, 373-388.	0.9	54
148	High-dose erythropoietin alters platelet reactivity and bleeding time in rodents in contrast to the neuroprotective variant carbamyl-erythropoietin (CEPO). <i>Thrombosis and Haemostasis</i> , 2008, 99, 720-728.	1.8	53
149	Definition of transcriptome-based indices for quantitative characterization of chemically disturbed stem cell development: introduction of the STOP-Toxukn and STOP-Toxukk tests. <i>Archives of Toxicology</i> , 2017, 91, 839-864.	1.9	53
150	TLR2 Hypersensitivity of Astrocytes as Functional Consequence of Previous Inflammatory Episodes. <i>Journal of Immunology</i> , 2011, 186, 3237-3247.	0.4	52
151	Disialoganglioside GD3 is released by microglia and induces oligodendrocyte apoptosis. <i>Cell Death and Differentiation</i> , 2002, 9, 758-767.	5.0	50
152	Attenuated amyloid- β aggregation and neurotoxicity owing to methionine oxidation. <i>NeuroReport</i> , 2007, 18, 559-563.	0.6	50
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