Marie-Gabrielle Zurich

List of Publications by Year
in descending order

46 papers	1,650 citations	279798 23 h-index	289244 40 g-index
50 all docs	50 docs citations	50 times ranked	1861 citing authors

#	Article	IF	Citations
1	Involvement of Environmental Mercury and Lead in the Etiology of Neurodegenerative Diseases. Reviews on Environmental Health, 2006, 21, 105-17.	2.4	122
2	Recommendation on test readiness criteria for new approach methods in toxicology: Exemplified for developmental neurotoxicity. ALTEX: Alternatives To Animal Experimentation, 2018, 35, 306-352.	1.5	121
3	Maturation-Dependent Effects of Chlorpyrifos and Parathion and Their Oxygen Analogs on Acetylcholinesterase and Neuronal and Glial Markers in Aggregating Brain Cell Cultures. Toxicology and Applied Pharmacology, 2000, 165, 175-183.	2.8	117
4	Ammonium-Induced Impairment of Axonal Growth Is Prevented through Glial Creatine. Journal of Neuroscience, 2002, 22, 9810-9820.	3.6	96
5	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.	2.8	90
6	Involvement of glial cells in the neurotoxicity of parathion and chlorpyrifos. Toxicology and Applied Pharmacology, 2004, 201, 97-104.	2.8	75
7	Evaluation of drug-induced neurotoxicity based on metabolomics, proteomics and electrical activity measurements in complementary CNS in vitro models. Toxicology in Vitro, 2015, 30, 138-165.	2.4	75
8	Comparison of the developmental effects of two mercury compounds on glial cells and neurons in aggregate cultures of rat telencephalon. Brain Research, 1996, 741, 52-59.	2.2	69
9	Regulated exocytosis of an H+/myo-inositol symporter at synapses and growth cones. EMBO Journal, 2004, 23, 531-540.	7.8	60
10	Microglial responsiveness as a sensitive marker for trimethyltin (TMT) neurotoxicity. Brain Research, 1995, 690, 8-14.	2.2	59
11	Neurotoxicant-induced inflammatory response in three-dimensional brain cell cultures. Human and Experimental Toxicology, 2007, 26, 339-346.	2.2	55
12	Maturation-dependent neurotoxicity of lead acetate in vitro: Implication of glial reactions. Journal of Neuroscience Research, 2002, 70, 108-116.	2.9	50
13	Antidepressant Paroxetine Exerts Developmental Neurotoxicity in an iPSC-Derived 3D Human Brain Model. Frontiers in Cellular Neuroscience, 2020, 14, 25.	3.7	47
14	Unusual astrocyte reactivity caused by the food mycotoxin ochratoxin A in aggregating rat brain cell cultures. Neuroscience, 2005, 134, 771-782.	2.3	46
15	Neuronal in vitro models for the estimation of acute systemic toxicity. Toxicology in Vitro, 2009, 23, 1564-1569.	2.4	42
16	Minocycline promotes remyelination in aggregating rat brain cell cultures after interferon-Î³ plus lipopolysaccharide-induced demyelination. Neuroscience, 2011, 187, 84-92.	2.3	42
17	Evaluation of aggregating brain cell cultures for the detection of acute organ-specific toxicity. Toxicology in Vitro, 2013, 27, 1416-1424.	2.4	41
18	Delta-9-tetrahydrocannabinol accumulation, metabolism and cell-type-specific adverse effects in aggregating brain cell cultures. Toxicology and Applied Pharmacology, 2008, 228, 8-16.	2.8	39

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19	Effects of the PPAR-Î² agonist GW501516 in an in vitro model of brain inflammation and antibody-induced demyelination. Journal of Neuroinflammation, 2009, 6, 15.	7.2	38
20	Alteration of amino acid metabolism in neuronal aggregate cultures exposed to hypoglycaemic conditions. Journal of Neurochemistry, 2002, 81, 1141-1151.	3.9	33
21	The value of selected in vitro and in silico methods to predict acute oral toxicity in a regulatory context: Results from the European Project ACuteTox. Toxicology in Vitro, 2013, 27, 1357-1376.	2.4	31
22	Human IPSC-Derived Model to Study Myelin Disruption. International Journal of Molecular Sciences, 2021, 22, 9473.	4.1	28
23	Preparation, Maintenance, and Use of Serum-Free Aggregating Brain Cell Cultures. Methods in Molecular Biology, 2011, 758, 81-97.	0.9	27
24	Methods to Assess Neuroinflammation. Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al], 2011, 50, Unit12.19.	1.1	23
25	Amiodarone biokinetics, the formation of its major oxidative metabolite and neurotoxicity after acute and repeated exposure of brain cell cultures. Toxicology in Vitro, 2015, 30, 192-202.	2.4	21
26	Inflammatory responses in aggregating rat brain cell cultures subjected to different demyelinating conditions. Brain Research, 2010, 1353, 213-224.	2.2	20
27	Cyclosporine A kinetics in brain cell cultures and its potential of crossing the bloodâ€“brain barrier. Toxicology in Vitro, 2015, 30, 166-175.	2.4	20
28	Evaluation of the toxicity of different metal compounds in the developing brain using aggregating cell cultures as a model. Toxicology in Vitro, 1993, 7, 335-339.	2.4	19
29	Lead acetate toxicity in vitro: Dependence on the cell composition of the cultures. Toxicology in Vitro, 1998, 12, 191-196.	2.4	19
30	Repeated exposure to Ochratoxin A generates a neuroinflammatory response, characterized by neurodegenerative M1 microglial phenotype. NeuroToxicology, 2014, 44, 61-70.	3.0	19
31	Ochratoxin A at nanomolar concentration perturbs the homeostasis of neural stem cells in highly differentiated but not in immature three-dimensional brain cell cultures. Toxicology Letters, 2011, 205, 203-208.	0.8	16
32	Neuroinflammatory Response to TNFÎ± and IL1Î² Cytokines Is Accompanied by an Increase in Glycolysis in Human Astrocytes In Vitro. International Journal of Molecular Sciences, 2021, 22, 4065.	4.1	13
33	Organotypic Models to Study Human Glioblastoma: Studying the Beast in Its Ecosystem. IScience, 2020, 23, 101633.	4.1	12
34	Contribution of in vitro neurotoxicology studies to the elucidation of neurodegenerative processes. Brain Research Bulletin, 2009, 80, 211-216.	3.0	10
35	Regulation of peptidase activity in a three-dimensional aggregate model of brain tumor vasculature. Cell and Tissue Research, 2003, 311, 53-59.	2.9	9
36	Glial Hyaluronate-Binding Protein Expression in Aggregating Brain Cell Cultures. Developmental Neuroscience, 1993, 15, 395-402.	2.0	7

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37	Cell type-specific expression and localization of cytochrome P450 isoforms in tridimensional aggregating rat brain cell cultures. Toxicology in Vitro, 2015, 30, 176-184.	2.4	7
38	Longitudinal investigation of the metabolome of 3D aggregating brain cell cultures at different maturation stages by 1H HR-MAS NMR. Analytical and Bioanalytical Chemistry, 2018, 410, 6733-6749.	3.7	6
39	Protein pathway analysis to study development-dependent effects of acute and repeated trimethyltin (TMT) treatments in 3D rat brain cell cultures. Toxicology in Vitro, 2019, 60, 281-292.	2.4	5
40	The in vitro biokinetics of chlorpromazine and diazepam in aggregating rat brain cell cultures after repeated exposure. Toxicology in Vitro, 2015, 30, 185-191.	2.4	4
41	Stochastic timeâ€concentration activity models for cytotoxicity in 3D brain cell cultures. Theoretical Biology and Medical Modelling, 2013, 10, 19.	2.1	2
42	Dose and time effects of treatment with low doses of a LRH agonist on testicular axis and accessory sex organs in rats. European Journal of Endocrinology, 1986, 112, 595-602.	3.7	1
43	Model-based estimation of lowest observed effect concentration from replicate experiments to identify potential biomarkers of in vitro neurotoxicity. Archives of Toxicology, 2019, 93, 2635-2644.	4.2	1
44	Neurotoxicology and Disease Modelling. Learning Materials in Biosciences, 2020, , 229-246.	0.4	1
45	Challenges in using markers of neuroinflammation for hazard identification. Toxicology Letters, 2017, 280, S14.	0.8	0
46	Quantification of Oligodendrocytes and Myelin in Human iPSC-Derived 3D Brain Cell Cultures (BrainSpheres). Neuromethods, 2021, , 459-471.	0.3	0