

Marta Barenys

List of Publications by Year in descending order

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32
papers

892
citations

623734

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477307

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34
docs citations

34
times ranked

1379
citing authors

#	ARTICLE	IF	CITATIONS
1	Developmental exposure to MDMA (ecstasy) in zebrafish embryos reproduces the neurotoxicity adverse outcome “lower motor activity” described in humans. <i>NeuroToxicology</i> , 2022, 88, 116-123.	3.0	7
2	Docosahexaenoic Acid and Melatonin Prevent Impaired Oligodendrogenesis Induced by Intrauterine Growth Restriction (IUGR). <i>Biomedicines</i> , 2022, 10, 1205.	3.2	3
3	Rabbit neurospheres as a novel in vitro tool for studying neurodevelopmental effects induced by intrauterine growth restriction. <i>Stem Cells Translational Medicine</i> , 2021, 10, 209-221.	3.3	9
4	Epigallocatechin-3-gallate PEGylated poly(lactic-co-glycolic) acid nanoparticles mitigate striatal pathology and motor deficits in 3-nitropropionic acid intoxicated mice. <i>Nanomedicine</i> , 2021, 16, 19-35.	3.3	18
5	From virtual screening hits targeting a cryptic pocket in BACE-1 to a nontoxic brain permeable multitarget anti-Alzheimer lead with disease-modifying and cognition-enhancing effects. <i>European Journal of Medicinal Chemistry</i> , 2021, 225, 113779.	5.5	7
6	Developmental neurotoxicity of MDMA. A systematic literature review summarized in a putative adverse outcome pathway. <i>NeuroToxicology</i> , 2020, 78, 209-241.	3.0	17
7	Structural Brain Changes during the Neonatal Period in a Rabbit Model of Intrauterine Growth Restriction. <i>Developmental Neuroscience</i> , 2020, 42, 217-229.	2.0	10
8	Evaluation of the effects of acetylcholinesterase inhibitors in the zebrafish touch-evoked response: quantitative vs. qualitative assessment. <i>Environmental Sciences Europe</i> , 2020, 32, .	5.5	7
9	Implementation of a functional endpoint to the zebrafish embryotoxicity test to evaluate craniofacial abnormalities. <i>Toxicology in Vitro</i> , 2019, 61, 104638.	2.4	3
10	The Neurosphere Assay as an In Vitro Method for Developmental Neurotoxicity (DNT) Evaluation. <i>Neuromethods</i> , 2019, , 141-168.	0.3	7
11	Cardiovascular Effects of PCB 126 (3,3,4,4,5-Pentachlorobiphenyl) in Zebrafish Embryos and Impact of Co-Exposure to Redox Modulating Chemicals. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1065.	4.1	12
12	Dual-drug loaded nanoparticles of Epigallocatechin-3-gallate (EGCG)/Ascorbic acid enhance therapeutic efficacy of EGCG in a APP ^{swe} /PS1 ^{dE9} Alzheimer’s disease mice model. <i>Journal of Controlled Release</i> , 2019, 301, 62-75.	9.9	207
13	Comparison of migration disturbance potency of epigallocatechin gallate (EGCG) synthetic analogs and EGCG PEGylated PLGA nanoparticles in rat neurospheres. <i>Food and Chemical Toxicology</i> , 2019, 123, 195-204.	3.6	10
14	Characterizing the multiple roles of FGF ² in SOD1 ^{G93A} ALS mice in vivo and in vitro. <i>Journal of Cellular Physiology</i> , 2019, 234, 7395-7410.	4.1	9
15	Epigallocatechin-3-gallate loaded PEGylated-PLGA nanoparticles: A new anti-seizure strategy for temporal lobe epilepsy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1073-1085.	3.3	60
16	A Historical Perspective on the Use of Stem/Progenitor Cell-Based In Vitro Methods for Neurodevelopmental Toxicity Testing. <i>Toxicological Sciences</i> , 2018, 165, 10-13.	3.1	7
17	Development of the Concept for Stem Cell-Based Developmental Neurotoxicity Evaluation. <i>Toxicological Sciences</i> , 2018, 165, 14-20.	3.1	28
18	A transcriptome comparison of time-matched developing human, mouse and rat neural progenitor cells reveals human uniqueness. <i>Toxicology and Applied Pharmacology</i> , 2018, 354, 40-55.	2.8	28

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19	Current Availability of Stem Cell-Based In Vitro Methods for Developmental Neurotoxicity (DNT) Testing. <i>Toxicological Sciences</i> , 2018, 165, 21-30.	3.1	43
20	Culture of human neurospheres in 3D scaffolds for developmental neurotoxicity testing. <i>Toxicology in Vitro</i> , 2018, 52, 106-115.	2.4	11
21	Epigallocatechin gallate (EGCG) inhibits adhesion and migration of neural progenitor cells in vitro. <i>Archives of Toxicology</i> , 2017, 91, 827-837.	4.2	39
22	Developing and applying the adverse outcome pathway concept for understanding and predicting neurotoxicity. <i>NeuroToxicology</i> , 2017, 59, 240-255.	3.0	69
23	Omnisphero: a high-content image analysis (HCA) approach for phenotypic developmental neurotoxicity (DNT) screenings of organoid neurosphere cultures in vitro. <i>Archives of Toxicology</i> , 2017, 91, 2017-2028.	4.2	56
24	Is Intake of Flavonoid-Based Food Supplements During Pregnancy Safe for the Developing Child? A Literature Review. <i>Current Drug Targets</i> , 2016, 18, 196-231.	2.1	16
25	Application of the Neurosphere Assay for DNT Hazard Assessment: Challenges and Limitations. <i>Methods in Pharmacology and Toxicology</i> , 2015, , 1.	0.2	11
26	Triclabendazole Sulfoxide Causes Stage-Dependent Embryoletality in Zebrafish and Mouse In Vitro. <i>PLoS ONE</i> , 2015, 10, e0121308.	2.5	5
27	Response to letter to the editor. <i>Food and Chemical Toxicology</i> , 2015, 80, 349.	3.6	0
28	Automatic counting and positioning of 5-bromo-2-deoxyuridine (BrdU) positive cells in cortical layers of rat brain slices. <i>NeuroToxicology</i> , 2014, 43, 127-133.	3.0	8
29	Comparative Human and Rat "Neurosphere Assay" for Developmental Neurotoxicity Testing. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2014, 59, 12.21.1-24.	1.1	36
30	Heavy metal and metalloids intake risk assessment in the diet of a rural population living near a gold mine in the Peruvian Andes (Cajamarca). <i>Food and Chemical Toxicology</i> , 2014, 71, 254-263.	3.6	14
31	Comparison of the mouse Embryonic Stem cell Test, the rat Whole Embryo Culture and the Zebrafish Embryotoxicity Test as alternative methods for developmental toxicity testing of six 1,2,4-triazoles. <i>Toxicology and Applied Pharmacology</i> , 2011, 253, 103-111.	2.8	87
32	Chronic exposure to MDMA (ecstasy) increases DNA damage in sperm and alters testes histopathology in male rats. <i>Toxicology Letters</i> , 2009, 191, 40-46.	0.8	44