

Leonora Buzanska

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.

42
papers

1,194
citations

18
h-index

34
g-index

46
ext. papers

1,346
ext. citations

4.1
avg, IF

3.93
L-index

#	Paper	IF	Citations
42	Workgroup report: incorporating in vitro alternative methods for developmental neurotoxicity into international hazard and risk assessment strategies. <i>Environmental Health Perspectives</i> , 2007 , 115, 924-31	8.4	123
41	A human stem cell-based model for identifying adverse effects of organic and inorganic chemicals on the developing nervous system. <i>Stem Cells</i> , 2009 , 27, 2591-601	5.8	101
40	Voltage-sensitive and ligand-gated channels in differentiating neural stem-like cells derived from the nonhematopoietic fraction of human umbilical cord blood. <i>Stem Cells</i> , 2005 , 23, 931-45	5.8	92
39	In vitro developmental neurotoxicity (DNT) testing: relevant models and endpoints. <i>NeuroToxicology</i> , 2010 , 31, 545-54	4.4	88
38	Neural stem-like cell line derived from a nonhematopoietic population of human umbilical cord blood. <i>Stem Cells and Development</i> , 2006 , 15, 391-406	4.4	88
37	Micro-stamped surfaces for the patterned growth of neural stem cells. <i>Biomaterials</i> , 2008 , 29, 4766-74	15.6	84
36	Relevance of in vitro neurotoxicity testing for regulatory requirements: challenges to be considered. <i>Neurotoxicology and Teratology</i> , 2010 , 32, 36-41	3.9	72
35	Neuroprotection by cyclosporin A following transient brain ischemia correlates with the inhibition of the early efflux of cytochrome C to cytoplasm. <i>Molecular Brain Research</i> , 2004 , 121, 50-9		67
34	Generation of functional neural artificial tissue from human umbilical cord blood stem cells. <i>Tissue Engineering - Part C: Methods</i> , 2009 , 15, 365-72	2.9	41
33	Neuronal differentiation of human umbilical cord blood neural stem-like cell line. <i>Neurodegenerative Diseases</i> , 2006 , 3, 19-26	2.3	40
32	Epigenetic Modulation of Stem Cells in Neurodevelopment: The Role of Methylation and Acetylation. <i>Frontiers in Cellular Neuroscience</i> , 2017 , 11, 23	6.1	38
31	Organoids are promising tools for species-specific in vitro toxicological studies. <i>Journal of Applied Toxicology</i> , 2019 , 39, 1610-1622	4.1	37
30	Fabrication and characterization of protein arrays for stem cell patterning. <i>Soft Matter</i> , 2009 , 5, 1406	3.6	29
29	Advances in stem cell therapy for amyotrophic lateral sclerosis. <i>Expert Opinion on Biological Therapy</i> , 2018 , 18, 865-881	5.4	25
28	A novel, neural potential of non-hematopoietic human umbilical cord blood stem cells. <i>International Journal of Developmental Biology</i> , 2008 , 52, 237-48	1.9	22
27	Phenotypic, Functional, and Safety Control at Preimplantation Phase of MSC-Based Therapy. <i>Stem Cells International</i> , 2016 , 2016, 2514917	5	21
26	Strategies to Enhance Implantation and Survival of Stem Cells After Their Injection in Ischemic Neural Tissue. <i>Stem Cells and Development</i> , 2017 , 26, 554-565	4.4	20

25	Microcontact printing and microspotting as methods for direct protein patterning on plasma deposited polyethylene oxide: application to stem cell patterning. <i>Biomedical Microdevices</i> , 2013 , 15, 495-507	3.7	19
24	Molecular subdivision of the cortex of dividing Tetrahymena is coupled with the formation of the fission zone. <i>Developmental Biology</i> , 1999 , 212, 150-64	3.1	16
23	Relationship between spatial pattern of basal bodies and membrane skeleton (epiplasm) during the cell cycle of Tetrahymena: cdaA mutant and anti-membrane skeleton immunostaining. <i>Journal of Eukaryotic Microbiology</i> , 1993 , 40, 747-54	3.6	16
22	Bezafibrate Upregulates Mitochondrial Biogenesis and Influence Neural Differentiation of Human-Induced Pluripotent Stem Cells. <i>Molecular Neurobiology</i> , 2019 , 56, 4346-4363	6.2	16
21	Patterned growth and differentiation of human cord blood-derived neural stem cells on bio-functionalized surfaces. <i>Acta Neurobiologiae Experimentalis</i> , 2009 , 69, 24-36	1	15
20	Bilateral interaction between cord blood-derived human neural stem cells and organotypic rat hippocampal culture. <i>Stem Cells and Development</i> , 2009 , 18, 1191-200	4.4	14
19	Glutamine transport in C6 glioma cells: substrate specificity and modulation in a glutamine deprived culture medium. <i>Journal of Neuroscience Research</i> , 2001 , 66, 959-66	4.4	13
18	Reference Gene Validation via RT-qPCR for Human iPSC-Derived Neural Stem Cells and Neural Progenitors. <i>Molecular Neurobiology</i> , 2019 , 56, 6820-6832	6.2	11
17	ATM-deficient neural precursors develop senescence phenotype with disturbances in autophagy. <i>Mechanisms of Ageing and Development</i> , 2020 , 190, 111296	5.6	11
16	AP2-like cis element is required for calretinin gene promoter activity in cells of neuronal phenotype differentiated from multipotent human cell line DEV. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2002 , 1577, 412-20		11
15	Directed glial differentiation and transdifferentiation for neural tissue regeneration. <i>Experimental Neurology</i> , 2019 , 319, 112813	5.7	11
14	Sensitivity of hiPSC-derived neural stem cells (NSC) to Pyrroloquinoline quinone depends on their developmental stage. <i>Toxicology in Vitro</i> , 2017 , 45, 434-444	3.6	10
13	Functional properties of different collagen scaffolds to create a biomimetic niche for neurally committed human induced pluripotent stem cells (iPSC). <i>Folia Neuropathologica</i> , 2017 , 55, 110-123	2.6	8
12	The collagen scaffold supports hiPSC-derived NSC growth and restricts hiPSC. <i>Frontiers in Bioscience - Scholar</i> , 2019 , 11, 105-121	2.4	5
11	Patterning of human cord blood-derived stem cells on single cell posts and lines: Implications for neural commitment. <i>Acta Neurobiologiae Experimentalis</i> , 2012 , 72, 325-36	1	5
10	Protrusion formation in the cell division-arrested mutant Tetrahymena thermophila cdaA1: Some rules governing cytoskeletal growth. <i>The Journal of Experimental Zoology</i> , 1989 , 251, 27-36		4
9	Treatment with small molecules is an important milestone towards the induction of pluripotency in neural stem cells derived from human cord blood. <i>Acta Neurobiologiae Experimentalis</i> , 2012 , 72, 337-50	1	4
8	Neural Stem Cell Fate Control on Micropatterned Substrates. <i>Neuromethods</i> , 2017 , 19-44	0.4	2

7	Biomimetic microenvironmental preconditioning enhance neuroprotective properties of human mesenchymal stem cells derived from Wharton's Jelly (WJ-MSCs). <i>Scientific Reports</i> , 2020 , 10, 16946	4.9	2
6	Tools and approaches for analyzing the role of mitochondria in health, development and disease using human cerebral organoids. <i>Developmental Neurobiology</i> , 2021 , 81, 591-607	3.2	2
5	Bioengineering of the Human Neural Stem Cell Niche: A Regulatory Environment for Cell Fate and Potential Target for Neurotoxicity. <i>Results and Problems in Cell Differentiation</i> , 2018 , 66, 207-230	1.4	2
4	Proliferation capacity of cord blood derived neural stem cell line on different micro-scale biofunctional domains. <i>Acta Neurobiologiae Experimentalis</i> , 2011 , 71, 12-23	1	2
3	Assessment of the Neuroprotective and Stemness Properties of Human Wharton's Jelly-Derived Mesenchymal Stem Cells under Variable (5% vs. 21%) Aerobic Conditions. <i>Cells</i> , 2021 , 10,	7.9	1
2	Human Somatic Stem Cell Neural Differentiation Potential. <i>Results and Problems in Cell Differentiation</i> , 2018 , 66, 21-87	1.4	1
1	Biofunctionalized Surfaces Controlling Stem Cell Fate Decisions 2011 , 267-302		