Leonora Buzanska

List of Publications by Year in Descending Order

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	Assessment of the Neuroprotective and Stemness Properties of Human Wharton's Jelly-Derived Mesenchymal Stem Cells under Variable (5% vs. 21%) Aerobic Conditions. *Cells*, **2021**, 10,	7.9	1
41	Tools and approaches for analyzing the role of mitochondria in health, development and disease using human cerebral organoids. *Developmental Neurobiology*, **2021**, 81, 591-607	3.2	2
40	ATM-deficient neural precursors develop senescence phenotype with disturbances in autophagy. *Mechanisms of Ageing and Development*, **2020**, 190, 111296	5.6	11
39	Biomimetic microenvironmental preconditioning enhance neuroprotective properties of human mesenchymal stem cells derived from Wharton's Jelly (WJ-MSCs). *Scientific Reports*, **2020**, 10, 16946	4.9	2
38	Organoids are promising tools for species-specific in vitro toxicological studies. *Journal of Applied Toxicology*, **2019**, 39, 1610-1622	4.1	37
37	Reference Gene Validation via RT-qPCR for Human iPSC-Derived Neural Stem Cells and Neural Progenitors. *Molecular Neurobiology*, **2019**, 56, 6820-6832	6.2	11
36	The collagen scaffold supports hiPSC-derived NSC growth and restricts hiPSC. *Frontiers in Bioscience - Scholar*, **2019**, 11, 105-121	2.4	5
35	Bezafibrate Upregulates Mitochondrial Biogenesis and Influence Neural Differentiation of Human-Induced Pluripotent Stem Cells. *Molecular Neurobiology*, **2019**, 56, 4346-4363	6.2	16
34	Directed glial differentiation and transdifferentiation for neural tissue regeneration. *Experimental Neurology*, **2019**, 319, 112813	5.7	11
33	Advances in stem cell therapy for amyotrophic lateral sclerosis. *Expert Opinion on Biological Therapy* , **2018**, 18, 865-881	5.4	25
32	Human Somatic Stem Cell Neural Differentiation Potential. *Results and Problems in Cell Differentiation*, **2018**, 66, 21-87	1.4	1
31	Bioengineering of the Human Neural Stem Cell Niche: A Regulatory Environment for Cell Fate and Potential Target for Neurotoxicity. *Results and Problems in Cell Differentiation*, **2018**, 66, 207-230	1.4	2
30	Strategies to Enhance Implantation and Survival of Stem Cells After Their Injection in Ischemic Neural Tissue. *Stem Cells and Development*, **2017**, 26, 554-565	4.4	20
29	Neural Stem Cell Fate Control on Micropatterned Substrates. *Neuromethods*, **2017**, 19-44	0.4	2
28	Functional properties of different collagen scaffolds to create a biomimetic niche for neurally committed human induced pluripotent stem cells (iPSC). *Folia Neuropathologica*, **2017**, 55, 110-123	2.6	8
27	Epigenetic Modulation of Stem Cells in Neurodevelopment: The Role of Methylation and Acetylation. *Frontiers in Cellular Neuroscience*, **2017**, 11, 23	6.1	38
26	Sensitivity of hiPSC-derived neural stem cells (NSC) to Pyrroloquinoline quinone depends on their developmental stage. *Toxicology in Vitro*, **2017**, 45, 434-444	3.6	10

25	Phenotypic, Functional, and Safety Control at Preimplantation Phase of MSC-Based Therapy. *Stem Cells International*, **2016**, 2016, 2514917	5	21
24	Microcontact printing and microspotting as methods for direct protein patterning on plasma deposited polyethylene oxide: application to stem cell patterning. *Biomedical Microdevices*, **2013**, 15, 495-507	3.7	19
23	Patterning of human cord blood-derived stem cells on single cell posts and lines: Implications for neural commitment. *Acta Neurobiologiae Experimentalis*, **2012**, 72, 325-36	1	5
22	Treatment with small molecules is an important milestone towards the induction of pluripotency in neural stem cells derived from human cord blood. *Acta Neurobiologiae Experimentalis*, **2012**, 72, 337-50	1	4
21	Biofunctionalized Surfaces Controlling Stem Cell Fate Decisions **2011**, 267-302		
20	Proliferation capacity of cord blood derived neural stem cell line on different micro-scale biofunctional domains. *Acta Neurobiologiae Experimentalis*, **2011**, 71, 12-23	1	2
19	In vitro developmental neurotoxicity (DNT) testing: relevant models and endpoints. *NeuroToxicology*, **2010**, 31, 545-54	4.4	88
18	Relevance of in vitro neurotoxicity testing for regulatory requirements: challenges to be considered. *Neurotoxicology and Teratology*, **2010**, 32, 36-41	3.9	72
17	Generation of functional neural artificial tissue from human umbilical cord blood stem cells. *Tissue Engineering - Part C: Methods*, **2009**, 15, 365-72	2.9	41
16	A human stem cell-based model for identifying adverse effects of organic and inorganic chemicals on the developing nervous system. *Stem Cells*, **2009**, 27, 2591-601	5.8	101
15	Bilateral interaction between cord blood-derived human neural stem cells and organotypic rat hippocampal culture. *Stem Cells and Development*, **2009**, 18, 1191-200	4.4	14
14	Fabrication and characterization of protein arrays for stem cell patterning. *Soft Matter*, **2009**, 5, 1406	3.6	29
13	Patterned growth and differentiation of human cord blood-derived neural stem cells on bio-functionalized surfaces. *Acta Neurobiologiae Experimentalis*, **2009**, 69, 24-36	1	15
12	A novel, neural potential of non-hematopoietic human umbilical cord blood stem cells. *International Journal of Developmental Biology*, **2008**, 52, 237-48	1.9	22
11	Micro-stamped surfaces for the patterned growth of neural stem cells. *Biomaterials*, **2008**, 29, 4766-74	15.6	84
10	Workgroup report: incorporating in vitro alternative methods for developmental neurotoxicity into international hazard and risk assessment strategies. *Environmental Health Perspectives*, **2007**, 115, 924-31	8.4	123
9	Neural stem-like cell line derived from a nonhematopoietic population of human umbilical cord blood. *Stem Cells and Development*, **2006**, 15, 391-406	4.4	88
8	Neuronal differentiation of human umbilical cord blood neural stem-like cell line. *Neurodegenerative Diseases*, **2006**, 3, 19-26	2.3	40

7	Voltage-sensitive and ligand-gated channels in differentiating neural stem-like cells derived from the nonhematopoietic fraction of human umbilical cord blood. *Stem Cells*, **2005**, 23, 931-45	5.8	92
6	Neuroprotection by cyclosporin A following transient brain ischemia correlates with the inhibition of the early efflux of cytochrome C to cytoplasm. *Molecular Brain Research*, **2004**, 121, 50-9		67
5	AP2-like cis element is required for calretinin gene promoter activity in cells of neuronal phenotype differentiated from multipotent human cell line DEV. *Biochimica Et Biophysica Acta Gene Regulatory Mechanisms*, **2002**, 1577, 412-20		11
4	Glutamine transport in C6 glioma cells: substrate specificity and modulation in a glutamine deprived culture medium. *Journal of Neuroscience Research*, **2001**, 66, 959-66	4.4	13
3	Molecular subdivision of the cortex of dividing Tetrahymena is coupled with the formation of the fission zone. *Developmental Biology*, **1999**, 212, 150-64	3.1	16
2	Relationship between spatial pattern of basal bodies and membrane skeleton (epiplasm) during the cell cycle of Tetrahymena: cdaA mutant and anti-membrane skeleton immunostaining. *Journal of Eukaryotic Microbiology*, **1993**, 40, 747-54	3.6	16
1	Protrusion formation in the cell division-arrested mutant Tetrahymena thermophila cdaA1: Some rules governing cytoskeletal growth. *The Journal of Experimental Zoology*, **1989**, 251, 27-36		4