

Silvia Bolognin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3065358/publications.pdf>

Version: 2024-02-01

57
papers

2,700
citations

257101

24
h-index

189595

50
g-index

69
all docs

69
docs citations

69
times ranked

3723
citing authors

#	ARTICLE	IF	CITATIONS
1	Derivation of Human Midbrain-Specific Organoids from Neuroepithelial Stem Cells. <i>Stem Cell Reports</i> , 2017, 8, 1144-1154.	2.3	321
2	Alzheimer's disease, metal ions and metal homeostatic therapy. <i>Trends in Pharmacological Sciences</i> , 2009, 30, 346-355.	4.0	304
3	Modeling Parkinson's disease in midbrain-like organoids. <i>Npj Parkinson's Disease</i> , 2019, 5, 5.	2.5	204
4	Aluminum, copper, iron and zinc differentially alter amyloid- β 42 aggregation and toxicity. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 877-885.	1.2	147
5	Metal Ion Physiopathology in Neurodegenerative Disorders. <i>NeuroMolecular Medicine</i> , 2009, 11, 223-238.	1.8	131
6	Microfluidic culture improves human midbrain organoid vitality and differentiation. <i>Lab on A Chip</i> , 2018, 18, 3172-3183.	3.1	108
7	Role of Metal Ions in the β -Oligomerization in Alzheimer's Disease and in Other Neurological Disorders. <i>Current Alzheimer Research</i> , 2008, 5, 500-507.	0.7	106
8	3D Cultures of Parkinson's Disease-Specific Dopaminergic Neurons for High Content Phenotyping and Drug Testing. <i>Advanced Science</i> , 2019, 6, 1800927.	5.6	92
9	Chelation therapy for neurodegenerative diseases. <i>Medicinal Research Reviews</i> , 2009, 29, 547-570.	5.0	82
10	Potential pathogenic role of β -amyloid β 42-aluminum complex in Alzheimer's disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 731-746.	1.2	79
11	An experimental rat model of sporadic Alzheimer's disease and rescue of cognitive impairment with a neurotrophic peptide. <i>Acta Neuropathologica</i> , 2012, 123, 133-151.	3.9	72
12	Neural Stem Cells of Parkinson's Disease Patients Exhibit Aberrant Mitochondrial Morphology and Functionality. <i>Stem Cell Reports</i> , 2019, 12, 878-889.	2.3	68
13	Accumulation of copper and other metal ions, and metallothionein I/II expression in the bovine brain as a function of aging. <i>Journal of Chemical Neuroanatomy</i> , 2008, 36, 1-5.	1.0	59
14	Rac1 activation links tau hyperphosphorylation and β 2 dysmetabolism in Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2018, 6, 61.	2.4	49
15	Synapse alterations precede neuronal damage and storage pathology in a human cerebral organoid model of CLN3-juvenile neuronal ceroid lipofuscinosis. <i>Acta Neuropathologica Communications</i> , 2019, 7, 222.	2.4	49
16	Rescue of cognitive-aging by administration of a neurogenic and/or neurotrophic compound. <i>Neurobiology of Aging</i> , 2014, 35, 2134-2146.	1.5	45
17	Rapid and robust generation of long-term self-renewing human neural stem cells with the ability to generate mature astroglia. <i>Scientific Reports</i> , 2015, 5, 16321.	1.6	44
18	Machine learning-assisted neurotoxicity prediction in human midbrain organoids. <i>Parkinsonism and Related Disorders</i> , 2020, 75, 105-109.	1.1	41

#	ARTICLE	IF	CITATIONS
19	Parkinson's Disease Phenotypes in Patient Neuronal Cultures and Brain Organoids Improved by β -Hydroxypropyl- β -Cyclodextrin Treatment. <i>Movement Disorders</i> , 2022, 37, 80-94.	2.2	37
20	The Potential Role of Rho GTPases in Alzheimer's Disease Pathogenesis. <i>Molecular Neurobiology</i> , 2014, 50, 406-422.	1.9	36
21	Reduced astrocytic reactivity in human brains and midbrain organoids with PRKN mutations. <i>Npj Parkinson's Disease</i> , 2020, 6, 33.	2.5	30
22	Single-cell transcriptomics reveals multiple neuronal cell types in human midbrain-specific organoids. <i>Cell and Tissue Research</i> , 2020, 382, 463-476.	1.5	30
23	Rescue of Synaptic Failure and Alleviation of Learning and Memory Impairments in a Trisomic Mouse Model of Down Syndrome. <i>Journal of Neuropathology and Experimental Neurology</i> , 2011, 70, 1070-1079.	0.9	28
24	Detection of CFTR protein in human leukocytes by flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 611-620.	1.1	28
25	Animal Models of the Sporadic Form of Alzheimer's Disease: Focus on the Disease and Not Just the Lesions. <i>Journal of Alzheimer's Disease</i> , 2013, 37, 469-474.	1.2	27
26	Rac1 Selective Activation Improves Retina Ganglion Cell Survival and Regeneration. <i>PLoS ONE</i> , 2013, 8, e64350.	1.1	26
27	Peptide-Imprinted Poly(hydroxymethyl 3,4-ethylenedioxythiophene) Nanotubes for Detection of β -Synuclein in Human Brain Organoids. <i>ACS Applied Nano Materials</i> , 2020, 3, 8027-8036.	2.4	26
28	Epitope imprinting of alpha-synuclein for sensing in Parkinson's brain organoid culture medium. <i>Biosensors and Bioelectronics</i> , 2021, 175, 112852.	5.3	26
29	A patient-based model of RNA mis-splicing uncovers treatment targets in Parkinson's disease. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	24
30	Increased Glutamyl Cyclase Expression in Peripheral Blood of Alzheimer's Disease Patients. <i>Journal of Alzheimer's Disease</i> , 2013, 34, 263-271.	1.2	23
31	Human cells and cell membrane molecular models are affected in vitro by chlorpromazine. <i>Biophysical Chemistry</i> , 2008, 135, 7-13.	1.5	22
32	Monitoring the neurotransmitter release of human midbrain organoids using a redox cycling microsensor as a novel tool for personalized Parkinson's disease modelling and drug screening. <i>Analyst</i> , 2021, 146, 2358-2367.	1.7	22
33	Destabilization of non-pathological variants of ataxin-3 by metal ions results in aggregation/fibrillogenesis. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 966-977.	1.2	20
34	β -Amyloid-aluminum complex alters cytoskeletal stability and increases ROS production in cortical neurons. <i>Neurochemistry International</i> , 2013, 62, 566-574.	1.9	20
35	Metallothioneins and the Central Nervous System: From a Deregulation in Neurodegenerative Diseases to the Development of New Therapeutic Approaches. <i>Journal of Alzheimer's Disease</i> , 2014, 41, 29-42.	1.2	20
36	Integrated, automated maintenance, expansion and differentiation of 2D and 3D patient-derived cellular models for high throughput drug screening. <i>Scientific Reports</i> , 2021, 11, 1439.	1.6	20

#	ARTICLE	IF	CITATIONS
37	The Parkinson's-disease-associated mutation LRRK2-G2019S alters dopaminergic differentiation dynamics via NR2F1. <i>Cell Reports</i> , 2021, 37, 109864.	2.9	20
38	Interaction between Alzheimer's Amyloid- β^2 and Amyloid- β^2 -Metal Complexes with Cell Membranes. <i>Journal of Alzheimer's Disease</i> , 2009, 17, 81-90.	1.2	18
39	Shifting balance from neurodegeneration to regeneration of the brain: a novel therapeutic approach to Alzheimer's disease and related neurodegenerative conditions. <i>Neural Regeneration Research</i> , 2014, 9, 1518.	1.6	17
40	Elevated Tau Level in Aged Rat Cerebrospinal Fluid Reduced by Treatment with a Neurotrophic Compound. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 557-564.	1.2	15
41	Altered Expression of Circulating Cdc42 in Frontotemporal Lobar Degeneration. <i>Journal of Alzheimer's Disease</i> , 2018, 61, 1477-1483.	1.2	15
42	Mutual Stimulation of Beta-Amyloid Fibrillogenesis by Cloquinol and Divalent Metals. <i>NeuroMolecular Medicine</i> , 2008, 10, 322-332.	1.8	14
43	Impaired dopamine D3 and nicotinic acetylcholine receptor membrane localization in iPSCs-derived dopaminergic neurons from two Parkinson's disease patients carrying the LRRK2 G2019S mutation. <i>Neurobiology of Aging</i> , 2021, 99, 65-78.	1.5	14
44	Impaired serine metabolism complements LRRK2-G2019S pathogenicity in PD patients. <i>Parkinsonism and Related Disorders</i> , 2019, 67, 48-55.	1.1	13
45	Transition metal dichalcogenides to optimize the performance of peptide-imprinted conductive polymers as electrochemical sensors. <i>Mikrochimica Acta</i> , 2021, 188, 203.	2.5	11
46	Beta-amyloid toxicity increases with hydrophobicity in the presence of metal ions. <i>Monatshefte für Chemie</i> , 2011, 142, 421-430.	0.9	10
47	Human erythrocytes and neuroblastoma cells are affected in vitro by Au(III) ions. <i>Biochemical and Biophysical Research Communications</i> , 2010, 397, 226-231.	1.0	9
48	Effects of a Copper-Deficient Diet on the Biochemistry, Neural Morphology and Behavior of Aged Mice. <i>PLoS ONE</i> , 2012, 7, e47063.	1.1	9
49	Effects of phenylpropanolamine (PPA) on in vitro human erythrocyte membranes and molecular models. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 320-325.	1.0	8
50	A Triple Combination of Targeting Ligands Increases the Penetration of Nanoparticles across a Blood-Brain Barrier Culture Model. <i>Pharmaceutics</i> , 2022, 14, 86.	2.0	8
51	Structural effects of tetrachloroauric acid on cell membranes and molecular models. <i>Coordination Chemistry Reviews</i> , 2009, 253, 1599-1606.	9.5	7
52	Ontogenesis and migration of metallothionein I/II-containing glial cells in the human telencephalon during the second trimester. <i>Brain Research</i> , 2010, 1327, 16-23.	1.1	7
53	STRUCTURAL EFFECTS OF VERAPAMIL ON CELL MEMBRANES AND MOLECULAR MODELS. <i>Journal of the Chilean Chemical Society</i> , 2010, 55, .	0.5	7
54	Structural Plasticity of Dopaminergic Neurons Requires the Activation of the D3R-nAChR Heteromer and the PI3K-ERK1/2/Akt-Induced Expression of c-Fos and p70S6K Signaling Pathway. <i>Molecular Neurobiology</i> , 2022, 59, 2129-2149.	1.9	5

#	ARTICLE	IF	CITATIONS
55	STRUCTURAL EFFECTS OF THE AU(I) DRUG AURANOFIN ON CELL MEMBRANES AND MOLECULAR MODELS. Journal of the Chilean Chemical Society, 2013, 58, 2001-2004.	0.5	1
56	O2-06-04: A NOVEL PHARMACOLOGIC THERAPEUTIC APPROACH TO ALZHEIMER DISEASE AND COGNITIVE AGING. , 2014, 10, P175-P175.		1
57	Microarray analysis of gene expression profiles in human neuroblastoma cells exposed to Zn and Cu complexes. Future Neurology, 2012, 7, 483-497.	0.9	0