

Hansruedi Bueler

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

4,440
citations

186209

28
h-index

289141

40
g-index

41
all docs

41
docs citations

41
times ranked

5223
citing authors

#	ARTICLE	IF	CITATIONS
1	Normal development and behaviour of mice lacking the neuronal cell-surface PrP protein. <i>Nature</i> , 1992, 356, 577-582.	13.7	1,582
2	Impaired mitochondrial dynamics and function in the pathogenesis of Parkinson's disease. <i>Experimental Neurology</i> , 2009, 218, 235-246.	2.0	279
3	High Prion and PrPSc Levels but Delayed Onset of Disease in Scrapie-Inoculated Mice Heterozygous for a Disrupted PrP Gene. <i>Molecular Medicine</i> , 1994, 1, 19-30.	1.9	226
4	Metabolic Stress Modulates Alzheimer's β -Secretase Gene Transcription via SIRT1-PPAR γ -PGC-1 in Neurons. <i>Cell Metabolism</i> , 2013, 17, 685-694.	7.2	170
5	Comparative Analysis of Genetically Modified Dendritic Cells and Tumor Cells as Therapeutic Cancer Vaccines. <i>Journal of Experimental Medicine</i> , 2000, 191, 1699-1708.	4.2	155
6	Increased Mitochondrial Calcium Sensitivity and Abnormal Expression of Innate Immunity Genes Precede Dopaminergic Defects in Pink1-Deficient Mice. <i>PLoS ONE</i> , 2011, 6, e16038.	1.1	154
7	Adenoviral VEGF overexpression induces blood vessel enlargement, tortuosity, and leakiness but no sprouting angiogenesis in the skin or mucous membranes. <i>FASEB Journal</i> , 2002, 16, 1041-1049.	0.2	147
8	Lymphangiogenic Gene Therapy With Minimal Blood Vascular Side Effects. <i>Journal of Experimental Medicine</i> , 2002, 196, 719-730.	4.2	147
9	Hsp70 Gene Transfer by Adeno-associated Virus Inhibits MPTP-Induced Nigrostriatal Degeneration in the Mouse Model of Parkinson Disease. <i>Molecular Therapy</i> , 2005, 11, 80-88.	3.7	137
10	Gene Transfer into Neurons from Hippocampal Slices: Comparison of Recombinant Semliki Forest Virus, Adenovirus, Adeno-Associated Virus, Lentivirus, and Measles Virus. <i>Molecular and Cellular Neurosciences</i> , 2001, 17, 855-871.	1.0	125
11	Dopamine-dependent neurodegeneration in rats induced by viral vector-mediated overexpression of the parkin target protein, CDCrel-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 12438-12443.	3.3	114
12	DJ-1 and Parkin Modulate Dopamine-dependent Behavior and Inhibit MPTP-induced Nigral Dopamine Neuron Loss in Mice. <i>Molecular Therapy</i> , 2007, 15, 698-704.	3.7	110
13	Adeno-associated virus (AAV) vectors achieve prolonged transgene expression in mouse myocardium and arteries in vivo: a comparative study with adenovirus vectors. <i>International Journal of Cardiology</i> , 2003, 90, 229-238.	0.8	108
14	Cell-Type-Specific Characteristics Modulate the Transduction Efficiency of Adeno-Associated Virus Type 2 and Restrain Infection of Endothelial Cells. <i>Journal of Virology</i> , 2002, 76, 11530-11540.	1.5	99
15	Transduction Profiles of Recombinant Adeno-Associated Virus Vectors Derived from Serotypes 2 and 5 in the Nigrostriatal System of Rats. <i>Journal of Virology</i> , 2004, 78, 6808-6817.	1.5	90
16	Mitochondrial dynamics, cell death and the pathogenesis of Parkinson's disease. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010, 15, 1336-1353.	2.2	77
17	Gene transfer into rabbit arteries with adeno-associated virus and adenovirus vectors. <i>Journal of Gene Medicine</i> , 2004, 6, 545-554.	1.4	62
18	Lack of PINK1 alters glia innate immune responses and enhances inflammation-induced, nitric oxide-mediated neuron death. <i>Scientific Reports</i> , 2018, 8, 383.	1.6	61

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19	Induction of Antigen-Specific Tumor Immunity by Genetic and Cellular Vaccines against MAGE: Enhanced Tumor Protection by Coexpression of Granulocyte-Macrophage Colony-Stimulating Factor and B7-1. <i>Molecular Medicine</i> , 1996, 2, 545-555.	1.9	54
20	Quantitative expression proteomics and phosphoproteomics profile of brain from PINK1 knockout mice: insights into mechanisms of familial Parkinson's disease. <i>Journal of Neurochemistry</i> , 2015, 133, 750-765.	2.1	54
21	Extended lifespan of <i>Drosophila parkin</i> mutants through sequestration of redox-active metals and enhancement of anti-oxidative pathways. <i>Neurobiology of Disease</i> , 2010, 40, 82-92.	2.1	48
22	Loss of PINK1 leads to metabolic deficits in adult neural stem cells and impedes differentiation of newborn neurons in the mouse hippocampus. <i>FASEB Journal</i> , 2017, 31, 2839-2853.	0.2	45
23	PINK1 enhances insulin-like growth factor-1-dependent Akt signaling and protection against apoptosis. <i>Neurobiology of Disease</i> , 2012, 45, 469-478.	2.1	42
24	Overexpression of Parkinson's disease-associated α -SynucleinA53T by recombinant adeno-associated virus in mice does not increase the vulnerability of dopaminergic neurons to MPTP. <i>Journal of Neurobiology</i> , 2002, 53, 1-10.	3.7	41
25	Spatial and Temporal Organization of Adeno-Associated Virus DNA Replication in Live Cells. <i>Journal of Virology</i> , 2004, 78, 389-398.	1.5	37
26	Mitochondrial and cytosolic roles of α -Synuclein shape induced regulatory T cell development and function. <i>European Journal of Immunology</i> , 2013, 43, 3355-3360.	1.6	31
27	Adeno-associated virus-mediated gene transfer of a secreted decoy human macrophage scavenger receptor reduces atherosclerotic lesion formation in LDL receptor knockout mice. <i>Molecular Therapy</i> , 2003, 8, 903-910.	3.7	29
28	Unaltered Striatal Dopamine Release Levels in Young Parkin Knockout, Pink1 Knockout, DJ-1 Knockout and LRRK2 R1441G Transgenic Mice. <i>PLoS ONE</i> , 2014, 9, e94826.	1.1	26
29	Recombinant adeno-associated virus vector design and gene expression in the mammalian brain. <i>Methods</i> , 2002, 28, 208-218.	1.9	23
30	Shared and Cell Type-Specific Mitochondrial Defects and Metabolic Adaptations in Primary Cells from PINK1-Deficient Mice. <i>Neurodegenerative Diseases</i> , 2013, 12, 136-149.	0.8	22
31	PINK1 deficiency is associated with increased deficits of adult hippocampal neurogenesis and lowers the threshold for stress-induced depression in mice. <i>Behavioural Brain Research</i> , 2019, 363, 161-172.	1.2	18
32	An anti-prion protein?. <i>Nature</i> , 1993, 362, 213-214.	13.7	16
33	Differential sensitivity of the inner ear sensory cell populations to forced cell cycle re-entry and p53 induction. <i>Journal of Neurochemistry</i> , 2010, 112, 1513-1526.	2.1	16
34	Bidirectional changes in water-maze learning following recombinant adenovirus-associated viral vector (rAAV)-mediated brain-derived neurotrophic factor expression in the rat hippocampus. <i>Behavioural Pharmacology</i> , 2007, 18, 533-547.	0.8	15
35	Mitochondrial and Autophagic Regulation of Adult Neurogenesis in the Healthy and Diseased Brain. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3342.	1.8	15
36	Role of the PrP Gene in Transmissible Spongiform Encephalopathies. <i>Intervirology</i> , 1993, 35, 164-175.	1.2	11

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37	A mouse to remember. <i>Cell</i> , 2004, 116, S111-S115.	13.5	6
38	The Use of an Adeno-Associated Viral Vector for Efficient Bicistronic Expression of Two Genes in the Central Nervous System. <i>Methods in Molecular Biology</i> , 2014, 1162, 189-207.	0.4	5
39	Proteasome inhibition promotes mono-ubiquitination and nuclear translocation of mature (52 kDa) PINK1. <i>Biochemical and Biophysical Research Communications</i> , 2019, 517, 376-382.	1.0	3