Hansruedi Bueler

List of Publications by Year
in descending order

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39 papers	4,440 citations	186265 28 h-index	289244 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. Nature, 1992, 356, 577-582.	27.8	1,582
2	Impaired mitochondrial dynamics and function in the pathogenesis of Parkinson's disease. Experimental Neurology, 2009, 218, 235-246.	4.1	279
3	High Prion and PrPSc Levels but Delayed Onset of Disease in Scrapie-Inoculated Mice Heterozygous for a Disrupted PrP Gene. Molecular Medicine, 1994, 1, 19-30.	4.4	226
4	Metabolic Stress Modulates Alzheimerâ€™s Î²-Secretase Gene Transcription via SIRT1-PPARÎ³-PGC-1 in Neurons. Cell Metabolism, 2013, 17, 685-694.	16.2	170
5	Comparative Analysis of Genetically Modified Dendritic Cells and Tumor Cells as Therapeutic Cancer Vaccines. Journal of Experimental Medicine, 2000, 191, 1699-1708.	8.5	155
6	Increased Mitochondrial Calcium Sensitivity and Abnormal Expression of Innate Immunity Genes Precede Dopaminergic Defects in Pink1-Deficient Mice. PLoS ONE, 2011, 6, e16038.	2.5	154
7	Adenoviral VEGFâ€€ overexpression induces blood vessel enlargement, tortuosity, and leakiness but no sprouting angiogenesis in the skin or mucous membranes. FASEB Journal, 2002, 16, 1041-1049.	0.5	147
8	Lymphangiogenic Gene Therapy With Minimal Blood Vascular Side Effects. Journal of Experimental Medicine, 2002, 196, 719-730.	8.5	147
9	Hsp70 Gene Transfer by Adeno-associated Virus Inhibits MPTP-Induced Nigrostriatal Degeneration in the Mouse Model of Parkinson Disease. Molecular Therapy, 2005, 11, 80-88.	8.2	137
10	Gene Transfer into Neurons from Hippocampal Slices: Comparison of Recombinant Semliki Forest Virus, Adenovirus, Adeno-Associated Virus, Lentivirus, and Measles Virus. Molecular and Cellular Neurosciences, 2001, 17, 855-871.	2.2	125
11	Dopamine-dependent neurodegeneration in rats induced by viral vector-mediated overexpression of the parkin target protein, CDCrel-1. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12438-12443.	7.1	114
12	DJ-1 and Parkin Modulate Dopamine-dependent Behavior and Inhibit MPTP-induced Nigral Dopamine Neuron Loss in Mice. Molecular Therapy, 2007, 15, 698-704.	8.2	110
13	Adeno-associated virus (AAV) vectors achieve prolonged transgene expression in mouse myocardium and arteries in vivo: a comparative study with adenovirus vectors. International Journal of Cardiology, 2003, 90, 229-238.	1.7	108
14	Cell-Type-Specific Characteristics Modulate the Transduction Efficiency of Adeno-Associated Virus Type 2 and Restrain Infection of Endothelial Cells. Journal of Virology, 2002, 76, 11530-11540.	3.4	99
15	Transduction Profiles of Recombinant Adeno-Associated Virus Vectors Derived from Serotypes 2 and 5 in the Nigrostriatal System of Rats. Journal of Virology, 2004, 78, 6808-6817.	3.4	90
16	Mitochondrial dynamics, cell death and the pathogenesis of Parkinsonâ€™s disease. Apoptosis: an International Journal on Programmed Cell Death, 2010, 15, 1336-1353.	4.9	77
17	Gene transfer into rabbit arteries with adenoâ€associated virus and adenovirus vectors. Journal of Gene Medicine, 2004, 6, 545-554.	2.8	62
18	Lack of PINK1 alters glia innate immune responses and enhances inflammation-induced, nitric oxide-mediated neuron death. Scientific Reports, 2018, 8, 383.	3.3	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. Molecular Medicine, 1996, 2, 545-555.	4.4	54
20	Quantitative expression proteomics and phosphoproteomics profile of brain from PINK1 knockout mice: insights into mechanisms of familial Parkinson's disease. Journal of Neurochemistry, 2015, 133, 750-765.	3.9	54
21	Extended lifespan of Drosophila parkin mutants through sequestration of redox-active metals and enhancement of anti-oxidative pathways. Neurobiology of Disease, 2010, 40, 82-92.	4.4	48
22	Loss of PINK1 leads to metabolic deficits in adult neural stem cells and impedes differentiation of newborn neurons in the mouse hippocampus. FASEB Journal, 2017, 31, 2839-2853.	0.5	45
23	PINK1 enhances insulin-like growth factor-1-dependent Akt signaling and protection against apoptosis. Neurobiology of Disease, 2012, 45, 469-478.	4.4	42
24	Overexpression of Parkinson's diseaseâ€associated Î±â€Synuclein^{A53T} by recombinant adenoâ€associated virus in mice does not increase the vulnerability of dopaminergic neurons to MPTP. Journal of Neurobiology, 2002, 53, 1-10.	3.6	41
25	Spatial and Temporal Organization of Adeno-Associated Virus DNA Replication in Live Cells. Journal of Virology, 2004, 78, 389-398.	3.4	37
26	Mitochondrial and cytosolic roles of <scp>PINK</scp>1 shape induced regulatory Tâ€cell development and function. European Journal of Immunology, 2013, 43, 3355-3360.	2.9	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. Molecular Therapy, 2003, 8, 903-910.	8.2	29
28	Unaltered Striatal Dopamine Release Levels in Young Parkin Knockout, Pink1 Knockout, DJ-1 Knockout and LRRK2 R1441G Transgenic Mice. PLoS ONE, 2014, 9, e94826.	2.5	26
29	Recombinant adeno-associated virus vector design and gene expression in the mammalian brain. Methods, 2002, 28, 208-218.	3.8	23
30	Shared and Cell Type-Specific Mitochondrial Defects and Metabolic Adaptations in Primary Cells from PINK1-Deficient Mice. Neurodegenerative Diseases, 2013, 12, 136-149.	1.4	22
31	PINK1 deficiency is associated with increased deficits of adult hippocampal neurogenesis and lowers the threshold for stress-induced depression in mice. Behavioural Brain Research, 2019, 363, 161-172.	2.2	18
32	An anti-prion protein?. Nature, 1993, 362, 213-214.	27.8	16
33	Differential sensitivity of the inner ear sensory cell populations to forced cell cycle reâ€entry and p53 induction. Journal of Neurochemistry, 2010, 112, 1513-1526.	3.9	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. Behavioural Pharmacology, 2007, 18, 533-547.	1.7	15
35	Mitochondrial and Autophagic Regulation of Adult Neurogenesis in the Healthy and Diseased Brain. International Journal of Molecular Sciences, 2021, 22, 3342.	4.1	15
36	Role of the PrP Gene in Transmissible Spongiform Encephalopathies. Intervirology, 1993, 35, 164-175.	2.8	11

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37	A mouse to remember. Cell, 2004, 116, S111-S115.	28.9	6
38	The Use of an Adeno-Associated Viral Vector for Efficient Bicistronic Expression of Two Genes in the Central Nervous System. Methods in Molecular Biology, 2014, 1162, 189-207.	0.9	5
39	Proteasome inhibition promotes mono-ubiquitination and nuclear translocation of mature (52â€¯kDa) PINK1. Biochemical and Biophysical Research Communications, 2019, 517, 376-382.	2.1	3