Hansruedi Bueler

List of Publications by Year
in descending order

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	Mitochondrial and Autophagic Regulation of Adult Neurogenesis in the Healthy and Diseased Brain. International Journal of Molecular Sciences, 2021, 22, 3342.	1.8	15
2	Proteasome inhibition promotes mono-ubiquitination and nuclear translocation of mature (52â€‾kDa) PINK1. Biochemical and Biophysical Research Communications, 2019, 517, 376-382.	1.0	3
3	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.	1.2	18
4	Lack of PINK1 alters glia innate immune responses and enhances inflammation-induced, nitric oxide-mediated neuron death. Scientific Reports, 2018, 8, 383.	1.6	61
5	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.	0.2	45
6	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.	2.1	54
7	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.	0.4	5
8	Unaltered Striatal Dopamine Release Levels in Young Parkin Knockout, Pink1 Knockout, DJ-1 Knockout and LRRK2 R1441G Transgenic Mice. PLoS ONE, 2014, 9, e94826.	1.1	26
9	Shared and Cell Type-Specific Mitochondrial Defects and Metabolic Adaptations in Primary Cells from PINK1-Deficient Mice. Neurodegenerative Diseases, 2013, 12, 136-149.	0.8	22
10	Metabolic Stress Modulates Alzheimerâ€™s Î²-Secretase Gene Transcription via SIRT1-PPARÎ³-PGC-1 in Neurons. Cell Metabolism, 2013, 17, 685-694.	7.2	170
11	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.	1.6	31
12	PINK1 enhances insulin-like growth factor-1-dependent Akt signaling and protection against apoptosis. Neurobiology of Disease, 2012, 45, 469-478.	2.1	42
13	Increased Mitochondrial Calcium Sensitivity and Abnormal Expression of Innate Immunity Genes Precede Dopaminergic Defects in Pink1-Deficient Mice. PLoS ONE, 2011, 6, e16038.	1.1	154
14	Mitochondrial dynamics, cell death and the pathogenesis of Parkinsonâ€™s disease. Apoptosis: an International Journal on Programmed Cell Death, 2010, 15, 1336-1353.	2.2	77
15	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.	2.1	48
16	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.	2.1	16
17	Impaired mitochondrial dynamics and function in the pathogenesis of Parkinson's disease. Experimental Neurology, 2009, 218, 235-246.	2.0	279
18	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.	0.8	15

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19	DJ-1 and Parkin Modulate Dopamine-dependent Behavior and Inhibit MPTP-induced Nigral Dopamine Neuron Loss in Mice. Molecular Therapy, 2007, 15, 698-704.	3.7	110
20	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.	3.7	137
21	Spatial and Temporal Organization of Adeno-Associated Virus DNA Replication in Live Cells. Journal of Virology, 2004, 78, 389-398.	1.5	37
22	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.	1.5	90
23	Gene transfer into rabbit arteries with adeno-associated virus and adenovirus vectors. Journal of Gene Medicine, 2004, 6, 545-554.	1.4	62
24	A mouse to remember. Cell, 2004, 116, S111-S115.	13.5	6
25	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.	0.8	108
26	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.	3.3	114
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.	3.7	29
28	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.	0.2	147
29	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.	1.5	99
30	Lymphangiogenic Gene Therapy With Minimal Blood Vascular Side Effects. Journal of Experimental Medicine, 2002, 196, 719-730.	4.2	147
31	Recombinant adeno-associated virus vector design and gene expression in the mammalian brain. Methods, 2002, 28, 208-218.	1.9	23
32	Overexpression of Parkinson's disease-associated Î±-SynucleinA53Tby recombinant adeno-associated virus in mice does not increase the vulnerability of dopaminergic neurons to MPTP. Journal of Neurobiology, 2002, 53, 1-10.	3.7	41
33	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.	1.0	125
34	Comparative Analysis of Genetically Modified Dendritic Cells and Tumor Cells as Therapeutic Cancer Vaccines. Journal of Experimental Medicine, 2000, 191, 1699-1708.	4.2	155
35	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.	1.9	54
36	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.	1.9	226

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37	An anti-prion protein?. Nature, 1993, 362, 213-214.	13.7	16
38	Role of the PrP Gene in Transmissible Spongiform Encephalopathies. Intervirology, 1993, 35, 164-175.	1.2	11
39	Normal development and behaviour of mice lacking the neuronal cell-surface PrP protein. Nature, 1992, 356, 577-582.	13.7	1,582