

William J Buchser

List of Publications by Year in descending order

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39
papers

2,774
citations

430874

18
h-index

345221

36
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47
all docs

47
docs citations

47
times ranked

8537
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary genomic relationships and coupling in MK-STYX and STYX pseudophosphatases. Scientific Reports, 2022, 12, 4139.	3.3	3
2	Defining the risk of SARS-CoV-2 variants on immune protection. Nature, 2022, 605, 640-652.	27.8	117
3	Products of gut microbial Toll/interleukin-1 receptor domain NADase activities in gnotobiotic mice and Bangladeshi children with malnutrition. Cell Reports, 2022, 39, 110738.	6.4	13
4	Rapid and Extraction-Free Detection of SARS-CoV-2 from Saliva by Colorimetric Reverse-Transcription Loop-Mediated Isothermal Amplification. Clinical Chemistry, 2021, 67, 415-424.	3.2	192
5	Single-cell RNA sequencing reveals the induction of novel myeloid and myeloid-associated cell populations in visceral fat with long-term obesity. FASEB Journal, 2021, 35, e21417.	0.5	23
6	Identification of SARS-CoV-2 spike mutations that attenuate monoclonal and serum antibody neutralization. Cell Host and Microbe, 2021, 29, 477-488.e4.	11.0	700
7	Effect of Immunosuppression on the Immunogenicity of mRNA Vaccines to SARS-CoV-2. Annals of Internal Medicine, 2021, 174, 1572-1585.	3.9	273
8	A class II MHC-targeted vaccine elicits immunity against SARS-CoV-2 and its variants. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	22
9	Domain-centric database to uncover structure of minimally characterized viral genomes. Scientific Data, 2020, 7, 202.	5.3	2
10	Planning and Analysis of Axon Degeneration Screening Experiments. Methods in Molecular Biology, 2020, 2143, 63-82.	0.9	0
11	Serum and nutrient deprivation increase autophagic flux in intervertebral disc annulus fibrosus cells: an in vitro experimental study. European Spine Journal, 2019, 28, 993-1004.	2.2	28
12	Inhibiting Autophagy in Renal Cell Cancer and the Associated Tumor Endothelium. Cancer Journal (Sudbury, Mass), 2019, 25, 165-177.	2.0	5
13	High content screen for identifying small-molecule LC3B-localization modulators in a renal cancer cell line. Scientific Data, 2018, 5, 180116.	5.3	6
14	Functional Genomics and High Content Screening in the Nervous System. Molecular and Cellular Neurosciences, 2017, 80, 159-160.	2.2	2
15	The axon degeneration gene SARM1 is evolutionarily distinct from other TIR domain-containing proteins. Molecular Genetics and Genomics, 2017, 292, 909-922.	2.1	13
16	Methylmercury Exposure Reduces the Auditory Brainstem Response of Zebra Finches (Taeniopygia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.8	12
17	Genome Sequences of Mycobacteriophages Amgine, Amohnition, Bella96, Cain, DarthP, Hammy, Krueger, LastHope, Peanam, PhelpsODU, Phrank, SirPhilip, Slimphazie, and Unicorn. Genome Announcements, 2017, 5, .	0.8	1
18	Genome Sequences of 19 Rhodococcus erythropolis Cluster CA Phages. Genome Announcements, 2017, 5, .	0.8	5

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19	Avian axons undergo Wallerian degeneration after injury and stress. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2016, 202, 813-822.	1.6	5
20	A portable device for recording evoked potentials, optimized for pattern ERG. <i>Biomedizinische Technik</i> , 2016, 61, 69-76.	0.8	1
21	Astrocytes Modulate the Polarization of CD4+ T Cells to Th1 Cells. <i>PLoS ONE</i> , 2014, 9, e86257.	2.5	32
22	Dendritic cell exosomes directly kill tumor cells and activate natural killer cells via TNF superfamily ligands. <i>Oncolmmunology</i> , 2012, 1, 1074-1083.	4.6	246
23	Blocking the interleukin 2 (IL2)-induced systemic autophagic syndrome promotes profound antitumor effects and limits toxicity. <i>Autophagy</i> , 2012, 8, 1264-1266.	9.1	28
24	Systemic administration of a deoxyribozyme to xylosyltransferase-1 mRNA promotes recovery after a spinal cord contusion injury. <i>Experimental Neurology</i> , 2012, 237, 170-179.	4.1	9
25	Peripheral Nervous System Genes Expressed in Central Neurons Induce Growth on Inhibitory Substrates. <i>PLoS ONE</i> , 2012, 7, e38101.	2.5	22
26	Inhibiting Systemic Autophagy during Interleukin 2 Immunotherapy Promotes Long-term Tumor Regression. <i>Cancer Research</i> , 2012, 72, 2791-2801.	0.9	133
27	Cell-Mediated Autophagy Promotes Cancer Cell Survival. <i>Cancer Research</i> , 2012, 72, 2970-2979.	0.9	122
28	p53/HMGB1 Complexes Regulate Autophagy and Apoptosis. <i>Cancer Research</i> , 2012, 72, 1996-2005.	0.9	220
29	Transcriptional profiling of intrinsic PNS factors in the postnatal mouse. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 32-44.	2.2	53
30	Optimization of a 96-Well Electroporation Assay for Postnatal Rat CNS Neurons Suitable for Cost-effective Medium-Throughput Screening of Genes that Promote Neurite Outgrowth. <i>Frontiers in Molecular Neuroscience</i> , 2011, 4, 55.	2.9	12
31	Challenges in Small Screening Laboratories: Implementing an On-Demand Laboratory Information Management System. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2011, 14, 742-748.	1.1	5
32	Peripheral Blood Lymphocytes Induce Autophagy in Human Renal and Hepatocellular Carcinoma Cell Lines. <i>Clinical Immunology</i> , 2010, 135, S104.	3.2	0
33	Kinase/phosphatase overexpression reveals pathways regulating hippocampal neuron morphology. <i>Molecular Systems Biology</i> , 2010, 6, 391.	7.2	77
34	Frequency coding of particle motion by saccular afferents of a teleost fish. <i>Journal of Experimental Biology</i> , 2010, 213, 1591-1601.	1.7	18
35	Zinc in innate and adaptive tumor immunity. <i>Journal of Translational Medicine</i> , 2010, 8, 118.	4.4	129
36	Pharmacologic Administration of Interleukin-2. <i>Annals of the New York Academy of Sciences</i> , 2009, 1182, 14-27.	3.8	26

#	ARTICLE	IF	CITATIONS
37	EST Express: PHP/MySQL based automated annotation of ESTs from expression libraries. BMC Bioinformatics, 2008, 9, 186.	2.6	5
38	96-Well electroporation method for transfection of mammalian central neurons. BioTechniques, 2006, 41, 619-624.	1.8	30
39	Habituation of Retinal Ganglion Cell Activity in Response to Steady State Pattern Visual Stimuli in Normal Subjects. , 2005, 46, 1296.		50