

William J Buchser

List of Publications by Year in descending order

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Version: 2024-02-01

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	Identification of SARS-CoV-2 spike mutations that attenuate monoclonal and serum antibody neutralization. <i>Cell Host and Microbe</i> , 2021, 29, 477-488.e4.	11.0	700
2	Effect of Immunosuppression on the Immunogenicity of mRNA Vaccines to SARS-CoV-2. <i>Annals of Internal Medicine</i> , 2021, 174, 1572-1585.	3.9	273
3	Dendritic cell exosomes directly kill tumor cells and activate natural killer cells via TNF superfamily ligands. <i>Oncoimmunology</i> , 2012, 1, 1074-1083.	4.6	246
4	p53/HMGB1 Complexes Regulate Autophagy and Apoptosis. <i>Cancer Research</i> , 2012, 72, 1996-2005.	0.9	220
5	Rapid and Extraction-Free Detection of SARS-CoV-2 from Saliva by Colorimetric Reverse-Transcription Loop-Mediated Isothermal Amplification. <i>Clinical Chemistry</i> , 2021, 67, 415-424.	3.2	192
6	Inhibiting Systemic Autophagy during Interleukin 2 Immunotherapy Promotes Long-term Tumor Regression. <i>Cancer Research</i> , 2012, 72, 2791-2801.	0.9	133
7	Zinc in innate and adaptive tumor immunity. <i>Journal of Translational Medicine</i> , 2010, 8, 118.	4.4	129
8	Cell-Mediated Autophagy Promotes Cancer Cell Survival. <i>Cancer Research</i> , 2012, 72, 2970-2979.	0.9	122
9	Defining the risk of SARS-CoV-2 variants on immune protection. <i>Nature</i> , 2022, 605, 640-652.	27.8	117
10	Kinase/phosphatase overexpression reveals pathways regulating hippocampal neuron morphology. <i>Molecular Systems Biology</i> , 2010, 6, 391.	7.2	77
11	Transcriptional profiling of intrinsic PNS factors in the postnatal mouse. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 32-44.	2.2	53
12	Habituation of Retinal Ganglion Cell Activity in Response to Steady State Pattern Visual Stimuli in Normal Subjects. , 2005, 46, 1296.		50
13	Astrocytes Modulate the Polarization of CD4+ T Cells to Th1 Cells. <i>PLoS ONE</i> , 2014, 9, e86257.	2.5	32
14	96-Well electroporation method for transfection of mammalian central neurons. <i>BioTechniques</i> , 2006, 41, 619-624.	1.8	30
15	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
16	Serum and nutrient deprivation increase autophagic flux in intervertebral disc annulus fibrosus cells: an in vitro experimental study. <i>European Spine Journal</i> , 2019, 28, 993-1004.	2.2	28
17	Pharmacologic Administration of Interleukin-2. <i>Annals of the New York Academy of Sciences</i> , 2009, 1182, 14-27.	3.8	26
18	Single-cell RNA sequencing reveals the induction of novel myeloid and myeloid-associated cell populations in visceral fat with long-term obesity. <i>FASEB Journal</i> , 2021, 35, e21417.	0.5	23

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19	Peripheral Nervous System Genes Expressed in Central Neurons Induce Growth on Inhibitory Substrates. <i>PLoS ONE</i> , 2012, 7, e38101.	2.5	22
20	A class II MHC-targeted vaccine elicits immunity against SARS-CoV-2 and its variants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	22
21	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
22	The axon degeneration gene SARM1 is evolutionarily distinct from other TIR domain-containing proteins. <i>Molecular Genetics and Genomics</i> , 2017, 292, 909-922.	2.1	13
23	Products of gut microbial Toll/interleukin-1 receptor domain NADase activities in gnotobiotic mice and Bangladeshi children with malnutrition. <i>Cell Reports</i> , 2022, 39, 110738.	6.4	13
24	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
25	Methylmercury Exposure Reduces the Auditory Brainstem Response of Zebra Finches (<i>Taeniopygia</i>) Tj ETQq1 1 0.784314 rgBT/Overlock	1.8	12
26	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
27	High content screen for identifying small-molecule LC3B-localization modulators in a renal cancer cell line. <i>Scientific Data</i> , 2018, 5, 180116.	5.3	6
28	EST Express: PHP/MySQL based automated annotation of ESTs from expression libraries. <i>BMC Bioinformatics</i> , 2008, 9, 186.	2.6	5
29	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
30	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
31	Genome Sequences of 19 <i>Rhodococcus erythropolis</i> Cluster CA Phages. <i>Genome Announcements</i> , 2017, 5, .	0.8	5
32	Inhibiting Autophagy in Renal Cell Cancer and the Associated Tumor Endothelium. <i>Cancer Journal (Sudbury, Mass)</i> , 2019, 25, 165-177.	2.0	5
33	Evolutionary genomic relationships and coupling in MK-STYX and STYX pseudophosphatases. <i>Scientific Reports</i> , 2022, 12, 4139.	3.3	3
34	Functional Genomics and High Content Screening in the Nervous System. <i>Molecular and Cellular Neurosciences</i> , 2017, 80, 159-160.	2.2	2
35	Domain-centric database to uncover structure of minimally characterized viral genomes. <i>Scientific Data</i> , 2020, 7, 202.	5.3	2
36	A portable device for recording evoked potentials, optimized for pattern ERG. <i>Biomedizinische Technik</i> , 2016, 61, 69-76.	0.8	1

#	ARTICLE	IF	CITATIONS
37	Genome Sequences of Mycobacteriophages Amgine, Amohnition, Bella96, Cain, DARTH P, Hammy, Krueger, LastHope, Peanam, PhelpsODU, Phrank, SirPhilip, Slimphazie, and Unicorn. Genome Announcements, 2017, 5, .	0.8	1
38	Peripheral Blood Lymphocytes Induce Autophagy in Human Renal and Hepatocellular Carcinoma Cell Lines. Clinical Immunology, 2010, 135, S104.	3.2	0
39	Planning and Analysis of Axon Degeneration Screening Experiments. Methods in Molecular Biology, 2020, 2143, 63-82.	0.9	0