

William J Buchser

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,774
citations

430754

18
h-index

345118

36
g-index

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.	5.1	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.	2.0	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.	2.1	246
4	p53/HMGB1 Complexes Regulate Autophagy and Apoptosis. <i>Cancer Research</i> , 2012, 72, 1996-2005.	0.4	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.	1.5	192
6	Inhibiting Systemic Autophagy during Interleukin 2 Immunotherapy Promotes Long-term Tumor Regression. <i>Cancer Research</i> , 2012, 72, 2791-2801.	0.4	133
7	Zinc in innate and adaptive tumor immunity. <i>Journal of Translational Medicine</i> , 2010, 8, 118.	1.8	129
8	Cell-Mediated Autophagy Promotes Cancer Cell Survival. <i>Cancer Research</i> , 2012, 72, 2970-2979.	0.4	122
9	Defining the risk of SARS-CoV-2 variants on immune protection. <i>Nature</i> , 2022, 605, 640-652.	13.7	117
10	Kinase/phosphatase overexpression reveals pathways regulating hippocampal neuron morphology. <i>Molecular Systems Biology</i> , 2010, 6, 391.	3.2	77
11	Transcriptional profiling of intrinsic PNS factors in the postnatal mouse. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 32-44.	1.0	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.	1.1	32
14	96-Well electroporation method for transfection of mammalian central neurons. <i>BioTechniques</i> , 2006, 41, 619-624.	0.8	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.	4.3	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.	1.0	28
17	Pharmacologic Administration of Interleukin-2. <i>Annals of the New York Academy of Sciences</i> , 2009, 1182, 14-27.	1.8	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.	0.2	23

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19	Peripheral Nervous System Genes Expressed in Central Neurons Induce Growth on Inhibitory Substrates. PLoS ONE, 2012, 7, e38101.	1.1	22
20	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, .	3.3	22
21	Frequency coding of particle motion by saccular afferents of a teleost fish. Journal of Experimental Biology, 2010, 213, 1591-1601.	0.8	18
22	The axon degeneration gene SARM1 is evolutionarily distinct from other TIR domain-containing proteins. Molecular Genetics and Genomics, 2017, 292, 909-922.	1.0	13
23	Products of gut microbial Toll/interleukin-1 receptor domain NADase activities in gnotobiotic mice and Bangladeshi children with malnutrition. Cell Reports, 2022, 39, 110738.	2.9	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. Frontiers in Molecular Neuroscience, 2011, 4, 55.	1.4	12
25	Methylmercury Exposure Reduces the Auditory Brainstem Response of Zebra Finches (Taeniopygia Tj ETQq1 1 0.784314 rgBT/Overlock	0.9	12
26	Systemic administration of a deoxyribozyme to xylosyltransferase-1 mRNA promotes recovery after a spinal cord contusion injury. Experimental Neurology, 2012, 237, 170-179.	2.0	9
27	High content screen for identifying small-molecule LC3B-localization modulators in a renal cancer cell line. Scientific Data, 2018, 5, 180116.	2.4	6
28	EST Express: PHP/MySQL based automated annotation of ESTs from expression libraries. BMC Bioinformatics, 2008, 9, 186.	1.2	5
29	Challenges in Small Screening Laboratories: Implementing an On-Demand Laboratory Information Management System. Combinatorial Chemistry and High Throughput Screening, 2011, 14, 742-748.	0.6	5
30	Avian axons undergo Wallerian degeneration after injury and stress. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2016, 202, 813-822.	0.7	5
31	Genome Sequences of 19 Rhodococcus erythropolis Cluster CA Phages. Genome Announcements, 2017, 5, .	0.8	5
32	Inhibiting Autophagy in Renal Cell Cancer and the Associated Tumor Endothelium. Cancer Journal (Sudbury, Mass), 2019, 25, 165-177.	1.0	5
33	Evolutionary genomic relationships and coupling in MK-STYX and STYX pseudophosphatases. Scientific Reports, 2022, 12, 4139.	1.6	3
34	Functional Genomics and High Content Screening in the Nervous System. Molecular and Cellular Neurosciences, 2017, 80, 159-160.	1.0	2
35	Domain-centric database to uncover structure of minimally characterized viral genomes. Scientific Data, 2020, 7, 202.	2.4	2
36	A portable device for recording evoked potentials, optimized for pattern ERG. Biomedizinische Technik, 2016, 61, 69-76.	0.9	1

#	ARTICLE	IF	CITATIONS
37	Genome Sequences of Mycobacteriophages Amgine, Amohnition, Bella96, Cain, DARTH, 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.	1.4	0
39	Planning and Analysis of Axon Degeneration Screening Experiments. Methods in Molecular Biology, 2020, 2143, 63-82.	0.4	0