

# Craig B Wilen

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

10,807  
citations

76326

40  
h-index

91884

69  
g-index

94  
all docs

94  
docs citations

94  
times ranked

20084  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct Roles of Type I and Type III Interferons during a Native Murine $\hat{I}^2$ Coronavirus Lung Infection. <i>Journal of Virology</i> , 2022, 96, JV10124121.	3.4	10
2	A stem-loop RNA RIG-I agonist protects against acute and chronic SARS-CoV-2 infection in mice. <i>Journal of Experimental Medicine</i> , 2022, 219, .	8.5	46
3	Restriction of Viral Replication, Rather than T Cell Immunopathology, Drives Lethality in Murine Norovirus CR6-Infected STAT1-Deficient Mice. <i>Journal of Virology</i> , 2022, 96, jvi0206521.	3.4	1
4	High-affinity, neutralizing antibodies to SARS-CoV-2 can be made without T follicular helper cells. <i>Science Immunology</i> , 2022, 7, .	11.9	28
5	Tuft cells are key mediators of interkingdom interactions at mucosal barrier surfaces. <i>PLoS Pathogens</i> , 2022, 18, e1010318.	4.7	21
6	Monospecific and bispecific monoclonal SARS-CoV-2 neutralizing antibodies that maintain potency against B.1.617. <i>Nature Communications</i> , 2022, 13, 1638.	12.8	11
7	De novo emergence of a remdesivir resistance mutation during treatment of persistent SARS-CoV-2 infection in an immunocompromised patient: a case report. <i>Nature Communications</i> , 2022, 13, 1547.	12.8	159
8	Reovirus infection is regulated by NPC1 and endosomal cholesterol homeostasis. <i>PLoS Pathogens</i> , 2022, 18, e1010322.	4.7	11
9	A humanized mouse model of chronic COVID-19. <i>Nature Biotechnology</i> , 2022, 40, 906-920.	17.5	71
10	Variant-specific vaccination induces systems immune responses and potent in vivo protection against SARS-CoV-2. <i>Cell Reports Medicine</i> , 2022, 3, 100634.	6.5	10
11	Inflammasome activation in infected macrophages drives COVID-19 pathology. <i>Nature</i> , 2022, 606, 585-593.	27.8	276
12	Omicron-specific mRNA vaccination alone and as a heterologous booster against SARS-CoV-2. <i>Nature Communications</i> , 2022, 13, .	12.8	40
13	Genome-wide CRISPR Screens Reveal Host Factors Critical for SARS-CoV-2 Infection. <i>Cell</i> , 2021, 184, 76-91.e13.	28.9	418
14	Intercellular Mitochondria Transfer to Macrophages Regulates White Adipose Tissue Homeostasis and Is Impaired in Obesity. <i>Cell Metabolism</i> , 2021, 33, 270-282.e8.	16.2	160
15	CD300lf Conditional Knockout Mouse Reveals Strain-Specific Cellular Tropism of Murine Norovirus. <i>Journal of Virology</i> , 2021, 95, .	3.4	17
16	Neuroinvasion of SARS-CoV-2 in human and mouse brain. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	677
17	Comprehensive in vivo secondary structure of the SARS-CoV-2 genome reveals novel regulatory motifs and mechanisms. <i>Molecular Cell</i> , 2021, 81, 584-598.e5.	9.7	198
18	Single-cell longitudinal analysis of SARS-CoV-2 infection in human airway epithelium identifies target cells, alterations in gene expression, and cell state changes. <i>PLoS Biology</i> , 2021, 19, e3001143.	5.6	180

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19	Nonsteroidal Anti-inflammatory Drugs Dampen the Cytokine and Antibody Response to SARS-CoV-2 Infection. <i>Journal of Virology</i> , 2021, 95, .	3.4	97
20	Norovirus evolution in immunodeficient mice reveals potentiated pathogenicity via a single nucleotide change in the viral capsid. <i>PLoS Pathogens</i> , 2021, 17, e1009402.	4.7	11
21	Discovery and functional interrogation of SARS-CoV-2 RNA-host protein interactions. <i>Cell</i> , 2021, 184, 2394-2411.e16.	28.9	141
22	Translational shutdown and evasion of the innate immune response by SARS-CoV-2 NSP14 protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	142
23	Restriction of SARS-CoV-2 replication by targeting programmed $\sim 1$ ribosomal frameshifting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	75
24	Live imaging of SARS-CoV-2 infection in mice reveals that neutralizing antibodies require Fc function for optimal efficacy. <i>Immunity</i> , 2021, 54, 2143-2158.e15.	14.3	155
25	UFMylation inhibits the proinflammatory capacity of interferon- $\gamma$ -activated macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	24
26	High-affinity, neutralizing antibodies to SARS-CoV-2 can be made without T follicular helper cells.. <i>Science Immunology</i> , 2021, , eabl5652.	11.9	6
27	The intestinal regionalization of acute norovirus infection is regulated by the microbiota via bile acid-mediated priming of type III interferon. <i>Nature Microbiology</i> , 2020, 5, 84-92.	13.3	87
28	The Interpretation of SARS-CoV-2 Diagnostic Tests. <i>Med</i> , 2020, 1, 78-89.	4.4	22
29	Mouse model of SARS-CoV-2 reveals inflammatory role of type I interferon signaling. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	357
30	Cytidine Monophosphate <i>N</i> -Acetylneuraminic Acid Synthetase and Solute Carrier Family 35 Member A1 Are Required for Reovirus Binding and Infection. <i>Journal of Virology</i> , 2020, 95, .	3.4	11
31	An ACE2 Microbody Containing a Single Immunoglobulin Fc Domain Is a Potent Inhibitor of SARS-CoV-2. <i>Cell Reports</i> , 2020, 33, 108528.	6.4	77
32	Acute encephalopathy with elevated CSF inflammatory markers as the initial presentation of COVID-19. <i>BMC Neurology</i> , 2020, 20, 248.	1.8	108
33	CD300LF Polymorphisms of Inbred Mouse Strains Confer Resistance to Murine Norovirus Infection in a Cell Type-Dependent Manner. <i>Journal of Virology</i> , 2020, 94, .	3.4	3
34	Select autophagy genes maintain quiescence of tissue-resident macrophages and increase susceptibility to <i>Listeria monocytogenes</i> . <i>Nature Microbiology</i> , 2020, 5, 272-281.	13.3	36
35	CD300lf is the primary physiologic receptor of murine norovirus but not human norovirus. <i>PLoS Pathogens</i> , 2020, 16, e1008242.	4.7	44
36	Bile Salts Alter the Mouse Norovirus Capsid Conformation: Possible Implications for Cell Attachment and Immune Evasion. <i>Journal of Virology</i> , 2019, 93, .	3.4	39

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37	A Secreted Viral Nonstructural Protein Determines Intestinal Norovirus Pathogenesis. <i>Cell Host and Microbe</i> , 2019, 25, 845-857.e5.	11.0	57
38	Mouse Norovirus Infection Arrests Host Cell Translation Uncoupled from the Stress Granule-PKR-eIF2 $\gamma$ Axis. <i>MBio</i> , 2019, 10, .	4.1	39
39	Norovirus Attachment and Entry. <i>Viruses</i> , 2019, 11, 495.	3.3	39
40	Noroviruses subvert the core stress granule component G3BP1 to promote viral VPg-dependent translation. <i>ELife</i> , 2019, 8, .	6.0	48
41	Tropism for tuft cells determines immune promotion of norovirus pathogenesis. <i>Science</i> , 2018, 360, 204-208.	12.6	187
42	Structural basis for murine norovirus engagement of bile acids and the CD300lf receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9201-E9210.	7.1	82
43	Sphingolipid biosynthesis induces a conformational change in the murine norovirus receptor and facilitates viral infection. <i>Nature Microbiology</i> , 2018, 3, 1109-1114.	13.3	33
44	Interaction between smoking and ATG16L1T300A triggers Paneth cell defects in Crohn's disease. <i>Journal of Clinical Investigation</i> , 2018, 128, 5110-5122.	8.2	53
45	Using direct antiglobulin test results to reduce unnecessary cold agglutinin testing. <i>Transfusion</i> , 2017, 57, 1480-1484.	1.6	9
46	Norovirus Cell Tropism Is Determined by Combinatorial Action of a Viral Non-structural Protein and Host Cytokine. <i>Cell Host and Microbe</i> , 2017, 22, 449-459.e4.	11.0	70
47	Viral Replication Complexes Are Targeted by LC3-Guided Interferon-Inducible GTPases. <i>Cell Host and Microbe</i> , 2017, 22, 74-85.e7.	11.0	90
48	Epidemiology of Bloodstream Infections. , 2017, , 163-181.		2
49	CD4 Receptor is a Key Determinant of Divergent HIV-1 Sensing by Plasmacytoid Dendritic Cells. <i>PLoS Pathogens</i> , 2016, 12, e1005553.	4.7	27
50	Discovery of a proteinaceous cellular receptor for a norovirus. <i>Science</i> , 2016, 353, 933-936.	12.6	241
51	Optimized sgRNA design to maximize activity and minimize off-target effects of CRISPR-Cas9. <i>Nature Biotechnology</i> , 2016, 34, 184-191.	17.5	3,168
52	Homeostatic Control of Innate Lung Inflammation by Vici Syndrome Gene Epg5 and Additional Autophagy Genes Promotes Influenza Pathogenesis. <i>Cell Host and Microbe</i> , 2016, 19, 102-113.	11.0	83
53	Altered Virome and Bacterial Microbiome in Human Immunodeficiency Virus-Associated Acquired Immunodeficiency Syndrome. <i>Cell Host and Microbe</i> , 2016, 19, 311-322.	11.0	330
54	Impact on Patient Management and Outcome of Switching between 2 Contemporary Sensitive Cardiac Troponin Assays. <i>Clinical Chemistry</i> , 2015, 61, 870-876.	3.2	2

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55	Comparison of Sample Preparation Methods, Instrumentation Platforms, and Contemporary Commercial Databases for Identification of Clinically Relevant Mycobacteria by Matrix-Assisted Laser Desorption Ionization–Time of Flight Mass Spectrometry. <i>Journal of Clinical Microbiology</i> , 2015, 53, 2308-2315.	3.9	66
56	Criteria for Reducing Unnecessary Testing for Herpes Simplex Virus, Varicella-Zoster Virus, Cytomegalovirus, and Enterovirus in Cerebrospinal Fluid Samples from Adults. <i>Journal of Clinical Microbiology</i> , 2015, 53, 887-895.	3.9	19
57	Markers of Intestinal Inflammation for the Diagnosis of Infectious Gastroenteritis. <i>Clinics in Laboratory Medicine</i> , 2015, 35, 333-344.	1.4	12
58	The Major Cellular Sterol Regulatory Pathway Is Required for Andes Virus Infection. <i>PLoS Pathogens</i> , 2014, 10, e1003911.	4.7	80
59	Simultaneous zinc-finger nuclease editing of the HIV coreceptors <i>ccr5</i> and <i>cxcr4</i> protects CD4+ T cells from HIV-1 infection. <i>Blood</i> , 2014, 123, 61-69.	1.4	135
60	Transmitted/Founder and Chronic HIV-1 Envelope Proteins Are Distinguished by Differential Utilization of CCR5. <i>Journal of Virology</i> , 2013, 87, 2401-2411.	3.4	66
61	Phenotypic properties of transmitted founder HIV-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6626-6633.	7.1	379
62	Transmitted/Founder and Chronic Subtype C HIV-1 Use CD4 and CCR5 Receptors with Equal Efficiency and Are Not Inhibited by Blocking the Integrin $\alpha 4\beta 7$ . <i>PLoS Pathogens</i> , 2012, 8, e1002686.	4.7	140
63	HIV: Cell Binding and Entry. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012, 2, a006866-a006866.	6.2	438
64	Molecular Mechanisms of HIV Entry. <i>Advances in Experimental Medicine and Biology</i> , 2012, 726, 223-242.	1.6	177
65	Primary Infection by a Human Immunodeficiency Virus with Atypical Coreceptor Tropism. <i>Journal of Virology</i> , 2011, 85, 10669-10681.	3.4	51
66	Phenotypic and Immunologic Comparison of Clade B Transmitted/Founder and Chronic HIV-1 Envelope Glycoproteins. <i>Journal of Virology</i> , 2011, 85, 8514-8527.	3.4	110
67	Engineering HIV-Resistant Human CD4+ T Cells with CXCR4-Specific Zinc-Finger Nucleases. <i>PLoS Pathogens</i> , 2011, 7, e1002020.	4.7	130
68	Evolution of a Distinct Genomic Domain in <i>Drosophila</i> : Comparative Analysis of the Dot Chromosome in <i>Drosophila melanogaster</i> and <i>Drosophila virilis</i> . <i>Genetics</i> , 2010, 185, 1519-1534.	2.9	34
69	HIV-1 Resistance to CCR5 Antagonists Associated with Highly Efficient Use of CCR5 and Altered Tropism on Primary CD4+ T Cells. <i>Journal of Virology</i> , 2010, 84, 6505-6514.	3.4	59
70	A Maraviroc-Resistant HIV-1 with Narrow Cross-Resistance to Other CCR5 Antagonists Depends on both N-Terminal and Extracellular Loop Domains of Drug-Bound CCR5. <i>Journal of Virology</i> , 2010, 84, 10863-10876.	3.4	100