

Aaron F Carlin

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

6,326
citations

304368

22
h-index

344852

36
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46
all docs

46
docs citations

46
times ranked

15005
citing authors

#	ARTICLE	IF	CITATIONS
1	Targets of T Cell Responses to SARS-CoV-2 Coronavirus in Humans with COVID-19 Disease and Unexposed Individuals. <i>Cell</i> , 2020, 181, 1489-1501.e15.	13.5	3,220
2	SARS-CoV-2 Infection Depends on Cellular Heparan Sulfate and ACE2. <i>Cell</i> , 2020, 183, 1043-1057.e15.	13.5	860
3	Molecular mimicry of host sialylated glycans allows a bacterial pathogen to engage neutrophil Siglec-9 and dampen the innate immune response. <i>Blood</i> , 2009, 113, 3333-3336.	0.6	351
4	SREBP1 Contributes to Resolution of Pro-inflammatory TLR4 Signaling by Reprogramming Fatty Acid Metabolism. <i>Cell Metabolism</i> , 2017, 25, 412-427.	7.2	263
5	Cholesterol 25-Hydroxylase Inhibits SARS-CoV-2 and other coronaviruses by depleting membrane cholesterol. <i>EMBO Journal</i> , 2020, 39, e106057.	3.5	203
6	Siglec-5 and Siglec-14 are polymorphic paired receptors that modulate neutrophil and amnion signaling responses to group B <i>Streptococcus</i> . <i>Journal of Experimental Medicine</i> , 2014, 211, 1231-1242.	4.2	163
7	Group B Streptococcal Capsular Sialic Acids Interact with Siglecs (Immunoglobulin-Like Lectins) on Human Leukocytes. <i>Journal of Bacteriology</i> , 2007, 189, 1231-1237.	1.0	152
8	METTL3 regulates viral m6A RNA modification and host cell innate immune responses during SARS-CoV-2 infection. <i>Cell Reports</i> , 2021, 35, 109091.	2.9	124
9	A human three-dimensional neural-perivascular "assembloid"™ promotes astrocytic development and enables modeling of SARS-CoV-2 neuropathology. <i>Nature Medicine</i> , 2021, 27, 1600-1606.	15.2	94
10	Revealing Tissue-Specific SARS-CoV-2 Infection and Host Responses using Human Stem Cell-Derived Lung and Cerebral Organoids. <i>Stem Cell Reports</i> , 2021, 16, 437-445.	2.3	92
11	Hitting the diagnostic sweet spot: Point-of-care SARS-CoV-2 salivary antigen testing with an off-the-shelf glucometer. <i>Biosensors and Bioelectronics</i> , 2021, 180, 113111.	5.3	84
12	A Clinical-Stage Cysteine Protease Inhibitor blocks SARS-CoV-2 Infection of Human and Monkey Cells. <i>ACS Chemical Biology</i> , 2021, 16, 642-650.	1.6	74
13	Maternally Acquired Zika Antibodies Enhance Dengue Disease Severity in Mice. <i>Cell Host and Microbe</i> , 2018, 24, 743-750.e5.	5.1	69
14	Discovery and Mechanism of SARS-CoV-2 Main Protease Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2866-2879.	2.9	59
15	Temporal dynamics of inflammatory cytokines/chemokines during sofosbuvir and ribavirin therapy for genotype 2 and 3 hepatitis C infection. <i>Hepatology</i> , 2015, 62, 1047-1058.	3.6	53
16	An IRF-3-, IRF-5-, and IRF-7-Independent Pathway of Dengue Viral Resistance Utilizes IRF-1 to Stimulate Type I and II Interferon Responses. <i>Cell Reports</i> , 2017, 21, 1600-1612.	2.9	53
17	Age-dependent regulation of SARS-CoV-2 cell entry genes and cell death programs correlates with COVID-19 severity. <i>Science Advances</i> , 2021, 7, .	4.7	49
18	Virologic and Immunologic Characterization of Coronavirus Disease 2019 Recrudescence After Nirmatrelvir/Ritonavir Treatment. <i>Clinical Infectious Diseases</i> , 2023, 76, e530-e532.	2.9	45

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19	Deconvolution of pro- and antiviral genomic responses in Zika virus-infected and bystander macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9172-E9181.	3.3	44
20	Rethinking Remdesivir: Synthesis, Antiviral Activity, and Pharmacokinetics of Oral Lipid Prodrugs. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0115521.	1.4	43
21	Multi-clonal SARS-CoV-2 neutralization by antibodies isolated from severe COVID-19 convalescent donors. <i>PLoS Pathogens</i> , 2021, 17, e1009165.	2.1	40
22	A Dual-Color Fluorescent Probe Allows Simultaneous Imaging of Main and Papain-Like Proteases of SARS-CoV-2-Infected Cells for Accurate Detection and Rapid Inhibitor Screening. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	29
23	Interactions of SARS-CoV-2 envelope protein with amilorides correlate with antiviral activity. <i>PLoS Pathogens</i> , 2021, 17, e1009519.	2.1	27
24	Cowpea Mosaic Virus Nanoparticle Vaccine Candidates Displaying Peptide Epitopes Can Neutralize the Severe Acute Respiratory Syndrome Coronavirus. <i>ACS Infectious Diseases</i> , 2021, 7, 3096-3110.	1.8	16
25	Analysis of SARS-CoV-2 RNA Persistence across Indoor Surface Materials Reveals Best Practices for Environmental Monitoring Programs. <i>MSystems</i> , 2021, 6, e0113621.	1.7	14
26	Excess neuropeptides in lung signal through endothelial cells to impair gas exchange. <i>Developmental Cell</i> , 2022, 57, 839-853.e6.	3.1	14
27	Transcriptional Analysis of <i>Coccidioides immitis</i> Mycelia and Spherules by RNA Sequencing. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 366.	1.5	13
28	Decoding Transcription Regulatory Mechanisms Associated with <i>Coccidioides immitis</i> Phase Transition Using Total RNA. <i>MSystems</i> , 2022, 7, e0140421.	1.7	8
29	A longitudinal systems immunologic investigation of acute Zika virus infection in an individual infected while traveling to Caracas, Venezuela. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0007053.	1.3	6
30	Genome-wide approaches to unravelling host-virus interactions in Dengue and Zika infections. <i>Current Opinion in Virology</i> , 2019, 34, 29-38.	2.6	6
31	Dataset on optimization and development of a point-of-care glucometer-based SARS-CoV-2 detection assay using aptamers. <i>Data in Brief</i> , 2021, 38, 107278.	0.5	4
32	Implementation of Practical Surface SARS-CoV-2 Surveillance in School Settings. <i>MSystems</i> , 2022, 7, .	1.7	4
33	Interleukin-8 Receptor 2 (IL-8R2)-Deficient Mice Are More Resistant to Pulmonary <i>Coccidioidomycosis</i> than Control Mice. <i>Infection and Immunity</i> , 2020, 89, .	1.0	3
34	Case Report: A Common Source Outbreak of Anisakidosis in the United States and Postexposure Prophylaxis of Family Collaterals. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 99, 1219-1221.	0.6	3
35	Rationale for American Society of Retina Specialists Best Practice Recommendations for Conducting Vitreoretinal Surgery During the Coronavirus Disease-19 Era. <i>Journal of Vitreoretinal Diseases</i> , 2020, 4, 420-429.	0.2	2
36	Sentinel Cards Provide Practical SARS-CoV-2 Monitoring in School Settings. <i>MSystems</i> , 2022, 7, .	1.7	1