John H Connor

List of Publications by Year in descending order

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123 papers	6,331 citations	81900 39 h-index	76900 74 g-index
132 all docs	132 docs citations	132 times ranked	9058 citing authors

#	Article	IF	Citations
1	Early Introduction and Rise of the Omicron Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Variant in Highly Vaccinated University Populations. Clinical Infectious Diseases, 2023, 76, e400-e408.	5.8	22
2	Viral Dynamics of Omicron and Delta Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Variants With Implications for Timing of Release from Isolation: A Longitudinal Cohort Study. Clinical Infectious Diseases, 2023, 76, e227-e233.	5.8	38
3	Efficacy of Pfizer-BioNTech in SARS-CoV-2 Delta cluster. International Journal of Infectious Diseases, 2022, 114, 62-64.	3.3	3
4	Severe Acute Respiratory Syndrome Coronavirus 2 Reinfection Associates With Unstable Housing and Occurs in the Presence of Antibodies. Clinical Infectious Diseases, 2022, 75, e208-e215.	5.8	16
5	Recombinant Lloviu virus as a tool to study viral replication and host responses. PLoS Pathogens, 2022, 18, e1010268.	4.7	11
6	Humanized mice reveal a macrophage-enriched gene signature defining human lung tissue protection during SARS-CoV-2 infection. Cell Reports, 2022, 39, 110714.	6.4	14
7	A mosquito small RNA genomics resource reveals dynamic evolution and host responses to viruses and transposons. Genome Research, 2021, 31, 512-528.	5.5	29
8	Vibrational Spectroscopic Detection of a Single Virus by Mid-Infrared Photothermal Microscopy. Analytical Chemistry, 2021, 93, 4100-4107.	6.5	37
9	Factors associated with progression to death in patients with Lassa fever in Nigeria: an observational study. Lancet Infectious Diseases, The, 2021, 21, 876-886.	9.1	8
10	Forebrain Neural Precursor Cells Are Differentially Vulnerable to Zika Virus Infection. ENeuro, 2021, 8, ENEURO.0108-21.2021.	1.9	2
11	Coronavirus Disease 2019 Vaccine Impact on Rates of Severe Acute Respiratory Syndrome Coronavirus 2 Cases and Postvaccination Strain Sequences Among Health Care Workers at an Urban Academic Medical Center: A Prospective Cohort Study. Open Forum Infectious Diseases, 2021, 8, ofab465.	0.9	38
12	SARS-CoV-2 Disrupts Proximal Elements in the JAK-STAT Pathway. Journal of Virology, 2021, 95, e0086221.	3.4	58
13	Configurable Digital Virus Counter on Robust Universal DNA Chips. ACS Sensors, 2021, 6, 229-237.	7.8	20
14	The integrated stress response mediates necrosis in murine Mycobacterium tuberculosis granulomas. Journal of Clinical Investigation, 2021, 131, .	8.2	27
15	Acute and Chronic Cardiovascular Manifestations of COVID-19: Role for Endotheliopathy. Methodist DeBakey Cardiovascular Journal, 2021, 17, 53-62.	1.0	13
16	Quantification of Viral and Host Biomarkers in the Liver of Rhesus Macaques. American Journal of Pathology, 2020, 190, 1449-1460.	3.8	15
17	Actionable Cytopathogenic Host Responses of Human Alveolar Type 2 Cells to SARS-CoV-2. Molecular Cell, 2020, 80, 1104-1122.e9.	9.7	94
18	Previremic Identification of Ebola or Marburg Virus Infection Using Integrated Host-Transcriptome and Viral Genome Detection. MBio, 2020, 11, .	4.1	6

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19	Examining the Role of Niemannâ€“Pick C1 Protein in the Permissiveness of Aedes Mosquitoes to Filoviruses. ACS Infectious Diseases, 2020, 6, 2023-2028.	3.8	2
20	High-Throughput, High-Resolution Interferometric Light Microscopy of Biological Nanoparticles. ACS Nano, 2020, 14, 2002-2013.	14.6	26
21	Dual Insect specific virus infection limits Arbovirus replication in Aedes mosquito cells. Virology, 2018, 518, 406-413.	2.4	87
22	Group B Wolbachia Strain-Dependent Inhibition of Arboviruses. DNA and Cell Biology, 2018, 37, 2-6.	1.9	7
23	HoTResDB: host transcriptional response database for viral hemorrhagic fevers. Bioinformatics, 2018, 34, 321-322.	4.1	1
24	A conserved transcriptional response to intranasal Ebola virus exposure in nonhuman primates prior to onset of fever. Science Translational Medicine, 2018, 10, .	12.4	25
25	A point-of-care diagnostic for differentiating Ebola from endemic febrile diseases. Science Translational Medicine, 2018, 10, .	12.4	54
26	Wolbachia w Stri Blocks Zika Virus Growth at Two Independent Stages of Viral Replication. MBio, 2018, 9, .	4.1	45
27	T-Cell Receptor Diversity and the Control of T-Cell Homeostasis Mark Ebola Virus Disease Survival in Humans. Journal of Infectious Diseases, 2018, 218, S508-S518.	4.0	25
28	Differential Mechanisms for the Involvement of Polyamines and Hypusinated eIF5A in Ebola Virus Gene Expression. Journal of Virology, 2018, 92, .	3.4	34
29	Growth-Adaptive Mutations in the Ebola Virus Makona Glycoprotein Alter Different Steps in the Virus Entry Pathway. Journal of Virology, 2018, 92, .	3.4	15
30	Comparative Transcriptomics in Ebola Makona-Infected Ferrets, Nonhuman Primates, and Humans. Journal of Infectious Diseases, 2018, 218, S486-S495.	4.0	15
31	Transcriptomic signatures differentiate survival from fatal outcomes in humans infected with Ebola virus. Genome Biology, 2017, 18, 4.	8.8	115
32	Hypusination of eIF5A as a Target for Antiviral Therapy. DNA and Cell Biology, 2017, 36, 198-201.	1.9	28
33	Disposable cartridge platform for rapid detection of viral hemorrhagic fever viruses. Lab on A Chip, 2017, 17, 917-925.	6.0	18
34	Generating Recombinant Vesicular Stomatitis Viruses for Use as Vaccine Platforms. Methods in Molecular Biology, 2017, 1581, 203-222.	0.9	7
35	Variable Inhibition of Zika Virus Replication by Different Wolbachia Strains in Mosquito Cell Cultures. Journal of Virology, 2017, 91, .	3.4	41
36	Spontaneous Mutation at Amino Acid 544 of the Ebola Virus Glycoprotein Potentiates Virus Entry and Selection in Tissue Culture. Journal of Virology, 2017, 91, .	3.4	24

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37	Visualizing Ebolavirus Particles Using Single-Particle Interferometric Reflectance Imaging Sensor (SP-IRIS). Methods in Molecular Biology, 2017, 1628, 259-270.	0.9	4
38	DNA-Directed Antibody Immobilization for Robust Protein Microarrays: Application to Single Particle Detection â€˜DNA-Directed Antibody Immobilization. Methods in Molecular Biology, 2017, 1571, 187-206.	0.9	5
39	Zika virus induced cellular remodelling. Cellular Microbiology, 2017, 19, e12740.	2.1	37
40	Robust Visualization and Discrimination of Nanoparticles by Interferometric Imaging. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 394-403.	2.9	29
41	Polyamines and Their Role in Virus Infection. Microbiology and Molecular Biology Reviews, 2017, 81, .	6.6	82
42	An RNA polymerase II-driven Ebola virus minigenome system as an advanced tool for antiviral drug screening. Antiviral Research, 2017, 146, 21-27.	4.1	34
43	Comparison of Transcriptomic Platforms for Analysis of Whole Blood from Ebola-Infected Cynomolgus Macaques. Scientific Reports, 2017, 7, 14756.	3.3	32
44	Therapeutics Against Filovirus Infection. Current Topics in Microbiology and Immunology, 2017, 411, 263-290.	1.1	3
45	Host Transcriptional Response to Ebola Virus Infection. Vaccines, 2017, 5, 30.	4.4	23
46	Enhanced light microscopy visualization of virus particles from Zika virus to filamentous ebolaviruses. PLoS ONE, 2017, 12, e0179728.	2.5	25
47	Multiplexed Metagenomic Deep Sequencing To Analyze the Composition of High-Priority Pathogen Reagents. MSystems, 2016, 1, .	3.8	19
48	New Approaches for Virus Detection through Multidisciplinary Partnerships. ACS Infectious Diseases, 2016, 2, 378-381.	3.8	2
49	Digital detection of biomarkers for high-sensitivity diagnostics at low-cost. , 2016, , .		1
50	Polyamines and Hypusination Are Required for Ebolavirus Gene Expression and Replication. MBio, 2016, 7, .	4.1	50
51	In vivo Ebola virus infection leads to a strong innate response in circulating immune cells. BMC Genomics, 2016, 17, 707.	2.8	54
52	Real-Time Capture and Visualization of Individual Viruses in Complex Media. ACS Nano, 2016, 10, 2827-2833.	14.6	59
53	Advancing rapid point-of-care viral diagnostics to a clinical setting. Future Virology, 2015, 10, 313-328.	1.8	18
54	Probing the Virus Host Interaction in High Containment: An Approach Using Pooled Short Hairpin RNA. Assay and Drug Development Technologies, 2015, 13, 34-43.	1.2	3

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55	A Single-Vector, Single-Injection Trivalent Filovirus Vaccine: Proof of Concept Study in Outbred Guinea Pigs. Journal of Infectious Diseases, 2015, 212, S384-S388.	4.0	34
56	Immuno-evasive tactics by schistosomes identify an effective allergy preventative. Experimental Parasitology, 2015, 153, 139-150.	1.2	11
57	Temporal Characterization of Marburg Virus Angola Infection following Aerosol Challenge in Rhesus Macaques. Journal of Virology, 2015, 89, 9875-9885.	3.4	24
58	Transcriptional Profiling of the Immune Response to Marburg Virus Infection. Journal of Virology, 2015, 89, 9865-9874.	3.4	37
59	DNA-Directed Antibody Immobilization for Enhanced Detection of Single Viral Pathogens. Analytical Chemistry, 2015, 87, 10505-10512.	6.5	46
60	Transcriptional Correlates of Disease Outcome in Anticoagulant-Treated Non-Human Primates Infected with Ebolavirus. PLoS Neglected Tropical Diseases, 2014, 8, e3061.	3.0	22
61	Discovery of a Novel Compound with Anti-Venezuelan Equine Encephalitis Virus Activity That Targets the Nonstructural Protein 2. PLoS Pathogens, 2014, 10, e1004213.	4.7	34
62	The Master Regulator of the Cellular Stress Response (HSF1) Is Critical for Orthopoxvirus Infection. PLoS Pathogens, 2014, 10, e1003904.	4.7	35
63	Lassa and Marburg viruses elicit distinct host transcriptional responses early after infection. BMC Genomics, 2014, 15, 960.	2.8	29
64	Activation of Stress Response Pathways Promotes Formation of Antiviral Granules and Restricts Virus Replication. Molecular and Cellular Biology, 2014, 34, 2003-2016.	2.3	47
65	Digital Sensing and Sizing of Vesicular Stomatitis Virus Pseudotypes in Complex Media: A Model for Ebola and Marburg Detection. ACS Nano, 2014, 8, 6047-6055.	14.6	86
66	Vaccinia Reporter Viruses for Quantifying Viral Function at All Stages of Gene Expression. Journal of Visualized Experiments, 2014, , .	0.3	5
67	A single vertebrate DNA virus protein disarms invertebrate immunity to RNA virus infection. ELife, 2014, 3, .	6.0	15
68	Identification of a Broad-Spectrum Inhibitor of Viral RNA Synthesis: Validation of a Prototype Virus-Based Approach. Chemistry and Biology, 2013, 20, 424-433.	6.0	21
69	Translational control by negative-strand RNA viruses: Methods for the study of a crucial virus/host interaction. Methods, 2013, 59, 180-187.	3.8	5
70	An Interferometric Reflectance Imaging Sensor for Point of Care Viral Diagnostics. IEEE Transactions on Biomedical Engineering, 2013, 60, 3276-3283.	4.2	25
71	Transcriptional Profiling of the Circulating Immune Response to Lassa Virus in an Aerosol Model of Exposure. PLoS Neglected Tropical Diseases, 2013, 7, e2171.	3.0	36
72	Myxoma and Vaccinia Viruses Bind Differentially to Human Leukocytes. Journal of Virology, 2013, 87, 4445-4460.	3.4	22

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73	Approaches for antiviral probe development: new libraries, new mechanisms. Future Virology, 2013, 8, 625-627.	1.8	0
74	A Vesiculovirus Showing a Steepened Transcription Gradient and Dominant trans -Repression of Virus Transcription. Journal of Virology, 2012, 86, 8884-8889.	3.4	5
75	Label-Free Optical Biosensors for Virus Detection and Characterization. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 1422-1433.	2.9	31
76	Truncated Aspidosperma Alkaloid-Like Scaffolds: Unique Structures for the Discovery of New, Bioactive Compounds. Heterocycles, 2012, 84, 135.	0.7	5
77	Identification of a Pyridopyrimidinone Inhibitor of Orthopoxviruses from a Diversity-Oriented Synthesis Library. Journal of Virology, 2012, 86, 2632-2640.	3.4	14
78	HijAkt. Progress in Molecular Biology and Translational Science, 2012, 106, 223-250.	1.7	76
79	Single nanoparticle detectors for biological applications. Nanoscale, 2012, 4, 715.	5.6	68
80	In vitro inhibition of monkeypox virus production and spread by Interferon-Î². Virology Journal, 2012, 9, 5.	3.4	30
81	Biomolecular Detection employing the Interferometric Reflectance Imaging Sensor (IRIS). Journal of Visualized Experiments, 2011, , .	0.3	2
82	Development of Vaccinia reporter viruses for rapid, high content analysis of viral function at all stages of gene expression. Antiviral Research, 2011, 91, 72-80.	4.1	22
83	Label-free multiplexed virus detection using spectral reflectance imaging. Biosensors and Bioelectronics, 2011, 26, 3432-3437.	10.1	56
84	Label-free pathogen sensing: Microarray studies for clinical and research applictions. , 2011, , .		0
85	Ultrasensitive plasmonic fano sensor enables seeing protein monolayers with naked eye. , 2011, , .		1
86	Interferometric Reflectance Imaging Sensor for point-of-care viral identification. , 2011, , .		0
87	Formation of Antiviral Cytoplasmic Granules during Orthopoxvirus Infection. Journal of Virology, 2011, 85, 1581-1593.	3.4	81
88	Therapeutics of Ebola Hemorrhagic Fever: Whole-Genome Transcriptional Analysis of Successful Disease Mitigation. Journal of Infectious Diseases, 2011, 204, S1043-S1052.	4.0	38
89	Seeing protein monolayers with naked eye through plasmonic Fano resonances. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11784-11789.	7.1	445
90	Dominant Inhibition of Akt/Protein Kinase B Signaling by the Matrix Protein of a Negative-Strand RNA Virus. Journal of Virology, 2011, 85, 422-431.	3.4	37

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91	Integrating microfluidic sample concentrator with Interferometric Reflectance Imaging Sensor for point-of-care viral identification. , 2011, , .		0
92	Spectral Reflectance Imaging for a Multiplexed, High-Throughput, Label-Free, and Dynamic Biosensing Platform. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 635-646.	2.9	12
93	Inhibition of heat-shock protein 90 reduces Ebola virus replication. Antiviral Research, 2010, 87, 187-194.	4.1	92
94	An Optofluidic Nanoplasmonic Biosensor for Direct Detection of Live Viruses from Biological Media. Nano Letters, 2010, 10, 4962-4969.	9.1	408
95	Vesicular Stomatitis Virus Matrix Protein Mutations That Affect Association with Host Membranes and Viral Nucleocapsids. Journal of Biological Chemistry, 2009, 284, 4500-4509.	3.4	24
96	Akt Inhibitor Akt-IV Blocks Virus Replication through an Akt-Independent Mechanism. Journal of Virology, 2009, 83, 11665-11672.	3.4	26
97	Murine B Cell Response to TLR7 Ligands Depends on an IFN-Î² Feedback Loop. Journal of Immunology, 2009, 183, 1569-1576.	0.8	119
98	hnRNPs Relocalize to the Cytoplasm following Infection with Vesicular Stomatitis Virus. Journal of Virology, 2009, 83, 770-780.	3.4	73
99	Capture and transfer of HIV-1 particles by mature dendritic cells converges with the exosome-dissemination pathway. Blood, 2009, 113, 2732-2741.	1.4	208
100	New mRNAs Are Preferentially Translated during Vesicular Stomatitis Virus Infection. Journal of Virology, 2008, 82, 2286-2294.	3.4	25
101	Î±IIbÎ²3priming and clustering by orally active and intravenous integrin antagonists. Journal of Thrombosis and Haemostasis, 2007, 5, 542-550.	3.8	28
102	Antiviral activity and RNA polymerase degradation following Hsp90 inhibition in a range of negative strand viruses. Virology, 2007, 362, 109-119.	2.4	126
103	Integrin Î±IIbÎ²3:ligand interactions are linked to binding-site remodeling. Protein Science, 2006, 15, 1893-1906.	7.6	25
104	Role of Residues 121 to 124 of Vesicular Stomatitis Virus Matrix Protein in Virus Assembly and Virus-Host Interaction. Journal of Virology, 2006, 80, 3701-3711.	3.4	23
105	Preferential Translation of Vesicular Stomatitis Virus mRNAs Is Conferred by Transcription from the Viral Genome. Journal of Virology, 2006, 80, 11733-11742.	3.4	49
106	Inhibition of Host and Viral Translation during Vesicular Stomatitis Virus Infection. Journal of Biological Chemistry, 2005, 280, 13512-13519.	3.4	77
107	Replication and Cytopathic Effect of Oncolytic Vesicular Stomatitis Virus in Hypoxic Tumor Cells In Vitro and In Vivo. Journal of Virology, 2004, 78, 8960-8970.	3.4	61
108	Deactylase Inhibitors Disrupt Cellular Complexes Containing Protein Phosphatases and Deacetylases. Journal of Biological Chemistry, 2004, 279, 7685-7691.	3.4	116

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109	The Disintegrin Echistatin Stabilizes Integrin Î±IIbÎ²3's Open Conformation and Promotes Its Oligomerization. Journal of Molecular Biology, 2004, 342, 1625-1636.	4.2	28
110	The Neuronal Actin-binding Proteins, Neurabin I and Neurabin II, Recruit Specific Isoforms of Protein Phosphatase-1 Catalytic Subunits. Journal of Biological Chemistry, 2002, 277, 27716-27724.	3.4	79
111	Vesicular Stomatitis Virus Infection Alters the eIF4F Translation Initiation Complex and Causes Dephosphorylation of the eIF4E Binding Protein 4E-BP1. Journal of Virology, 2002, 76, 10177-10187.	3.4	138
112	Regulation of Synaptic Strength by Protein Phosphatase 1. Neuron, 2001, 32, 1133-1148.	8.1	209
113	Growth Arrest and DNA Damage-Inducible Protein GADD34 Assembles a Novel Signaling Complex Containing Protein Phosphatase 1 and Inhibitor 1. Molecular and Cellular Biology, 2001, 21, 6841-6850.	2.3	247
114	Molecular memory by reversible translocation of calcium/calmodulin-dependent protein kinase II. Nature Neuroscience, 2000, 3, 881-886.	14.8	188
115	Long-Term Potentiation Induced by Î¸ Frequency Stimulation Is Regulated by a Protein Phosphatase-1-Operated Gate. Journal of Neuroscience, 2000, 20, 7880-7887.	3.6	87
116	Cellular Mechanisms Regulating Protein Phosphatase-1. Journal of Biological Chemistry, 2000, 275, 18670-18675.	3.4	53
117	Neurofilament-L Is a Protein Phosphatase-1-binding Protein Associated with Neuronal Plasma Membrane and Post-synaptic Density. Journal of Biological Chemistry, 2000, 275, 2439-2446.	3.4	57
118	Importance of the Î²12-Î²13 Loop in Protein Phosphatase-1 Catalytic Subunit for Inhibition by Toxins and Mammalian Protein Inhibitors. Journal of Biological Chemistry, 1999, 274, 22366-22372.	3.4	77
119	Molecular Determinants of Nuclear Protein Phosphatase-1 Regulation by NIPP-1. Journal of Biological Chemistry, 1999, 274, 14053-14061.	3.4	88
120	Gating of CaMKII by cAMP-Regulated Protein Phosphatase Activity During LTP. Science, 1998, 280, 1940-1943.	12.6	392
121	Inhibitor-1 Interaction Domain That Mediates the Inhibition of Protein Phosphatase-1. Journal of Biological Chemistry, 1998, 273, 27716-27724.	3.4	40
122	Inhibitor-1, a Regulator of Protein Phosphatase 1 Function. , 1998, 93, 41-58.		14
123	Multiple Structural Elements Define the Specificity of Recombinant Human Inhibitor-1 as a Protein Phosphatase-1 Inhibitor[,]. Biochemistry, 1996, 35, 5220-5228.	2.5	161