

John H Connor

List of Publications by Year in descending order

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123
papers

6,331
citations

81900

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76900

74
g-index

132
all docs

132
docs citations

132
times ranked

9058
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	An Optofluidic Nanoplasmonic Biosensor for Direct Detection of Live Viruses from Biological Media. Nano Letters, 2010, 10, 4962-4969.	9.1	408
3	Gating of CaMKII by cAMP-Regulated Protein Phosphatase Activity During LTP. Science, 1998, 280, 1940-1943.	12.6	392
4	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
5	Regulation of Synaptic Strength by Protein Phosphatase 1. Neuron, 2001, 32, 1133-1148.	8.1	209
6	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
7	Molecular memory by reversible translocation of calcium/calmodulin-dependent protein kinase II. Nature Neuroscience, 2000, 3, 881-886.	14.8	188
8	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
9	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
10	Antiviral activity and RNA polymerase degradation following Hsp90 inhibition in a range of negative strand viruses. Virology, 2007, 362, 109-119.	2.4	126
11	Murine B Cell Response to TLR7 Ligands Depends on an IFN- γ Feedback Loop. Journal of Immunology, 2009, 183, 1569-1576.	0.8	119
12	Deacetylase Inhibitors Disrupt Cellular Complexes Containing Protein Phosphatases and Deacetylases. Journal of Biological Chemistry, 2004, 279, 7685-7691.	3.4	116
13	Transcriptomic signatures differentiate survival from fatal outcomes in humans infected with Ebola virus. Genome Biology, 2017, 18, 4.	8.8	115
14	Actionable Cytopathogenic Host Responses of Human Alveolar Type 2 Cells to SARS-CoV-2. Molecular Cell, 2020, 80, 1104-1122.e9.	9.7	94
15	Inhibition of heat-shock protein 90 reduces Ebola virus replication. Antiviral Research, 2010, 87, 187-194.	4.1	92
16	Molecular Determinants of Nuclear Protein Phosphatase-1 Regulation by NIPP-1. Journal of Biological Chemistry, 1999, 274, 14053-14061.	3.4	88
17	Long-Term Potentiation Induced by \hat{I} , Frequency Stimulation Is Regulated by a Protein Phosphatase-1-Operated Gate. Journal of Neuroscience, 2000, 20, 7880-7887.	3.6	87
18	Dual Insect specific virus infection limits Arbovirus replication in Aedes mosquito cells. Virology, 2018, 518, 406-413.	2.4	87

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19	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
20	Polyamines and Their Role in Virus Infection. Microbiology and Molecular Biology Reviews, 2017, 81, .	6.6	82
21	Formation of Antiviral Cytoplasmic Granules during Orthopoxvirus Infection. Journal of Virology, 2011, 85, 1581-1593.	3.4	81
22	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
23	Importance of the $\hat{I}^{212}\hat{I}^{213}$ 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
24	Inhibition of Host and Viral Translation during Vesicular Stomatitis Virus Infection. Journal of Biological Chemistry, 2005, 280, 13512-13519.	3.4	77
25	HijAkt. Progress in Molecular Biology and Translational Science, 2012, 106, 223-250.	1.7	76
26	hnRNPs Relocalize to the Cytoplasm following Infection with Vesicular Stomatitis Virus. Journal of Virology, 2009, 83, 770-780.	3.4	73
27	Single nanoparticle detectors for biological applications. Nanoscale, 2012, 4, 715.	5.6	68
28	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
29	Real-Time Capture and Visualization of Individual Viruses in Complex Media. ACS Nano, 2016, 10, 2827-2833.	14.6	59
30	SARS-CoV-2 Disrupts Proximal Elements in the JAK-STAT Pathway. Journal of Virology, 2021, 95, e0086221.	3.4	58
31	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
32	Label-free multiplexed virus detection using spectral reflectance imaging. Biosensors and Bioelectronics, 2011, 26, 3432-3437.	10.1	56
33	In vivo Ebola virus infection leads to a strong innate response in circulating immune cells. BMC Genomics, 2016, 17, 707.	2.8	54
34	A point-of-care diagnostic for differentiating Ebola from endemic febrile diseases. Science Translational Medicine, 2018, 10, .	12.4	54
35	Cellular Mechanisms Regulating Protein Phosphatase-1. Journal of Biological Chemistry, 2000, 275, 18670-18675.	3.4	53
36	Polyamines and Hypusination Are Required for Ebolavirus Gene Expression and Replication. MBio, 2016, 7, .	4.1	50

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37	Preferential Translation of Vesicular Stomatitis Virus mRNAs Is Conferred by Transcription from the Viral Genome. <i>Journal of Virology</i> , 2006, 80, 11733-11742.	3.4	49
38	Activation of Stress Response Pathways Promotes Formation of Antiviral Granules and Restricts Virus Replication. <i>Molecular and Cellular Biology</i> , 2014, 34, 2003-2016.	2.3	47
39	DNA-Directed Antibody Immobilization for Enhanced Detection of Single Viral Pathogens. <i>Analytical Chemistry</i> , 2015, 87, 10505-10512.	6.5	46
40	<i>Wolbachia</i> Strain Blocks Zika Virus Growth at Two Independent Stages of Viral Replication. <i>MBio</i> , 2018, 9, .	4.1	45
41	Variable Inhibition of Zika Virus Replication by Different <i>Wolbachia</i> Strains in Mosquito Cell Cultures. <i>Journal of Virology</i> , 2017, 91, .	3.4	41
42	Inhibitor-1 Interaction Domain That Mediates the Inhibition of Protein Phosphatase-1. <i>Journal of Biological Chemistry</i> , 1998, 273, 27716-27724.	3.4	40
43	Therapeutics of Ebola Hemorrhagic Fever: Whole-Genome Transcriptional Analysis of Successful Disease Mitigation. <i>Journal of Infectious Diseases</i> , 2011, 204, S1043-S1052.	4.0	38
44	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. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab465.	0.9	38
45	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. <i>Clinical Infectious Diseases</i> , 2023, 76, e227-e233.	5.8	38
46	Dominant Inhibition of Akt/Protein Kinase B Signaling by the Matrix Protein of a Negative-Strand RNA Virus. <i>Journal of Virology</i> , 2011, 85, 422-431.	3.4	37
47	Transcriptional Profiling of the Immune Response to Marburg Virus Infection. <i>Journal of Virology</i> , 2015, 89, 9865-9874.	3.4	37
48	Zika virus induced cellular remodelling. <i>Cellular Microbiology</i> , 2017, 19, e12740.	2.1	37
49	Vibrational Spectroscopic Detection of a Single Virus by Mid-Infrared Photothermal Microscopy. <i>Analytical Chemistry</i> , 2021, 93, 4100-4107.	6.5	37
50	Transcriptional Profiling of the Circulating Immune Response to Lassa Virus in an Aerosol Model of Exposure. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2171.	3.0	36
51	The Master Regulator of the Cellular Stress Response (HSF1) Is Critical for Orthopoxvirus Infection. <i>PLoS Pathogens</i> , 2014, 10, e1003904.	4.7	35
52	Discovery of a Novel Compound with Anti-Venezuelan Equine Encephalitis Virus Activity That Targets the Nonstructural Protein 2. <i>PLoS Pathogens</i> , 2014, 10, e1004213.	4.7	34
53	A Single-Vector, Single-Injection Trivalent Filovirus Vaccine: Proof of Concept Study in Outbred Guinea Pigs. <i>Journal of Infectious Diseases</i> , 2015, 212, S384-S388.	4.0	34
54	An RNA polymerase II-driven Ebola virus minigenome system as an advanced tool for antiviral drug screening. <i>Antiviral Research</i> , 2017, 146, 21-27.	4.1	34

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55	Differential Mechanisms for the Involvement of Polyamines and Hypusinated eIF5A in Ebola Virus Gene Expression. <i>Journal of Virology</i> , 2018, 92, .	3.4	34
56	Comparison of Transcriptomic Platforms for Analysis of Whole Blood from Ebola-Infected Cynomolgus Macaques. <i>Scientific Reports</i> , 2017, 7, 14756.	3.3	32
57	Label-Free Optical Biosensors for Virus Detection and Characterization. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 1422-1433.	2.9	31
58	In vitro inhibition of monkeypox virus production and spread by Interferon- β . <i>Virology Journal</i> , 2012, 9, 5.	3.4	30
59	Lassa and Marburg viruses elicit distinct host transcriptional responses early after infection. <i>BMC Genomics</i> , 2014, 15, 960.	2.8	29
60	Robust Visualization and Discrimination of Nanoparticles by Interferometric Imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 394-403.	2.9	29
61	A mosquito small RNA genomics resource reveals dynamic evolution and host responses to viruses and transposons. <i>Genome Research</i> , 2021, 31, 512-528.	5.5	29
62	The Disintegrin Echistatin Stabilizes Integrin α IIb β 3's Open Conformation and Promotes Its Oligomerization. <i>Journal of Molecular Biology</i> , 2004, 342, 1625-1636.	4.2	28
63	α IIb β 3 priming and clustering by orally active and intravenous integrin antagonists. <i>Journal of Thrombosis and Haemostasis</i> , 2007, 5, 542-550.	3.8	28
64	Hypusination of eIF5A as a Target for Antiviral Therapy. <i>DNA and Cell Biology</i> , 2017, 36, 198-201.	1.9	28
65	The integrated stress response mediates necrosis in murine <i>Mycobacterium tuberculosis</i> granulomas. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	27
66	Akt Inhibitor Akt-IV Blocks Virus Replication through an Akt-Independent Mechanism. <i>Journal of Virology</i> , 2009, 83, 11665-11672.	3.4	26
67	High-Throughput, High-Resolution Interferometric Light Microscopy of Biological Nanoparticles. <i>ACS Nano</i> , 2020, 14, 2002-2013.	14.6	26
68	Integrin α IIb β 3:ligand interactions are linked to binding-site remodeling. <i>Protein Science</i> , 2006, 15, 1893-1906.	7.6	25
69	New mRNAs Are Preferentially Translated during Vesicular Stomatitis Virus Infection. <i>Journal of Virology</i> , 2008, 82, 2286-2294.	3.4	25
70	An Interferometric Reflectance Imaging Sensor for Point of Care Viral Diagnostics. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 3276-3283.	4.2	25
71	A conserved transcriptional response to intranasal Ebola virus exposure in nonhuman primates prior to onset of fever. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	25
72	T-Cell Receptor Diversity and the Control of T-Cell Homeostasis Mark Ebola Virus Disease Survival in Humans. <i>Journal of Infectious Diseases</i> , 2018, 218, S508-S518.	4.0	25

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73	Enhanced light microscopy visualization of virus particles from Zika virus to filamentous ebolaviruses. PLoS ONE, 2017, 12, e0179728.	2.5	25
74	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
75	Temporal Characterization of Marburg Virus Angola Infection following Aerosol Challenge in Rhesus Macaques. Journal of Virology, 2015, 89, 9875-9885.	3.4	24
76	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
77	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
78	Host Transcriptional Response to Ebola Virus Infection. Vaccines, 2017, 5, 30.	4.4	23
79	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
80	Myxoma and Vaccinia Viruses Bind Differentially to Human Leukocytes. Journal of Virology, 2013, 87, 4445-4460.	3.4	22
81	Transcriptional Correlates of Disease Outcome in Anticoagulant-Treated Non-Human Primates Infected with Ebolavirus. PLoS Neglected Tropical Diseases, 2014, 8, e3061.	3.0	22
82	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
83	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
84	Configurable Digital Virus Counter on Robust Universal DNA Chips. ACS Sensors, 2021, 6, 229-237.	7.8	20
85	Multiplexed Metagenomic Deep Sequencing To Analyze the Composition of High-Priority Pathogen Reagents. MSysystems, 2016, 1, .	3.8	19
86	Advancing rapid point-of-care viral diagnostics to a clinical setting. Future Virology, 2015, 10, 313-328.	1.8	18
87	Disposable cartridge platform for rapid detection of viral hemorrhagic fever viruses. Lab on A Chip, 2017, 17, 917-925.	6.0	18
88	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
89	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
90	Comparative Transcriptomics in Ebola Makona-Infected Ferrets, Nonhuman Primates, and Humans. Journal of Infectious Diseases, 2018, 218, S486-S495.	4.0	15

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91	Quantification of Viral and Host Biomarkers in the Liver of Rhesus Macaques. American Journal of Pathology, 2020, 190, 1449-1460.	3.8	15
92	A single vertebrate DNA virus protein disarms invertebrate immunity to RNA virus infection. ELife, 2014, 3, .	6.0	15
93	Inhibitor-1, a Regulator of Protein Phosphatase 1 Function. , 1998, 93, 41-58.		14
94	Identification of a Pyridopyrimidinone Inhibitor of Orthopoxviruses from a Diversity-Oriented Synthesis Library. Journal of Virology, 2012, 86, 2632-2640.	3.4	14
95	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
96	Acute and Chronic Cardiovascular Manifestations of COVID-19: Role for Endotheliopathy. Methodist DeBakey Cardiovascular Journal, 2021, 17, 53-62.	1.0	13
97	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
98	Immuno-evasive tactics by schistosomes identify an effective allergy preventative. Experimental Parasitology, 2015, 153, 139-150.	1.2	11
99	Recombinant Lloviu virus as a tool to study viral replication and host responses. PLoS Pathogens, 2022, 18, e1010268.	4.7	11
100	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
101	Generating Recombinant Vesicular Stomatitis Viruses for Use as Vaccine Platforms. Methods in Molecular Biology, 2017, 1581, 203-222.	0.9	7
102	Group B <i>Wolbachia</i> Strain-Dependent Inhibition of Arboviruses. DNA and Cell Biology, 2018, 37, 2-6.	1.9	7
103	Previremic Identification of Ebola or Marburg Virus Infection Using Integrated Host-Transcriptome and Viral Genome Detection. MBio, 2020, 11, .	4.1	6
104	A Vesiculovirus Showing a Steepened Transcription Gradient and Dominant <i>trans</i> -Repression of Virus Transcription. Journal of Virology, 2012, 86, 8884-8889.	3.4	5
105	Truncated Aspidosperma Alkaloid-Like Scaffolds: Unique Structures for the Discovery of New, Bioactive Compounds. Heterocycles, 2012, 84, 135.	0.7	5
106	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
107	Vaccinia Reporter Viruses for Quantifying Viral Function at All Stages of Gene Expression. Journal of Visualized Experiments, 2014, , .	0.3	5
108	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

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109	Visualizing Ebolavirus Particles Using Single-Particle Interferometric Reflectance Imaging Sensor (SP-IRIS). <i>Methods in Molecular Biology</i> , 2017, 1628, 259-270.	0.9	4
110	Probing the Virus Host Interaction in High Containment: An Approach Using Pooled Short Hairpin RNA. <i>Assay and Drug Development Technologies</i> , 2015, 13, 34-43.	1.2	3
111	Therapeutics Against Filovirus Infection. <i>Current Topics in Microbiology and Immunology</i> , 2017, 411, 263-290.	1.1	3
112	Efficacy of Pfizer-BioNTech in SARS-CoV-2 Delta cluster. <i>International Journal of Infectious Diseases</i> , 2022, 114, 62-64.	3.3	3
113	Biomolecular Detection employing the Interferometric Reflectance Imaging Sensor (IRIS). <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	2
114	New Approaches for Virus Detection through Multidisciplinary Partnerships. <i>ACS Infectious Diseases</i> , 2016, 2, 378-381.	3.8	2
115	Examining the Role of Niemannâ€Pick C1 Protein in the Permissiveness of Aedes Mosquitoes to Filoviruses. <i>ACS Infectious Diseases</i> , 2020, 6, 2023-2028.	3.8	2
116	Forebrain Neural Precursor Cells Are Differentially Vulnerable to Zika Virus Infection. <i>ENeuro</i> , 2021, 8, ENEURO.0108-21.2021.	1.9	2
117	Ultrasensitive plasmonic fano sensor enables seeing protein monolayers with naked eye. , 2011, , .		1
118	Digital detection of biomarkers for high-sensitivity diagnostics at low-cost. , 2016, , .		1
119	HoTResDB: host transcriptional response database for viral hemorrhagic fevers. <i>Bioinformatics</i> , 2018, 34, 321-322.	4.1	1
120	Label-free pathogen sensing: Microarray studies for clinical and research applications. , 2011, , .		0
121	Interferometric Reflectance Imaging Sensor for point-of-care viral identification. , 2011, , .		0
122	Integrating microfluidic sample concentrator with Interferometric Reflectance Imaging Sensor for point-of-care viral identification. , 2011, , .		0
123	Approaches for antiviral probe development: new libraries, new mechanisms. <i>Future Virology</i> , 2013, 8, 625-627.	1.8	0