

Gerald M Mcinerney

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8262046/publications.pdf>

Version: 2024-02-01

70
papers

12,241
citations

147801

31
h-index

85541

71
g-index

91
all docs

91
docs citations

91
times ranked

26315
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
3	G3BP and Caprin1-USP10 complexes mediate stress granule condensation and associate with 40S subunits. <i>Journal of Cell Biology</i> , 2016, 212, 845-60.	5.2	480
4	An alpaca nanobody neutralizes SARS-CoV-2 by blocking receptor interaction. <i>Nature Communications</i> , 2020, 11, 4420.	12.8	261
5	SARS-CoV-2 exposure, symptoms and seroprevalence in healthcare workers in Sweden. <i>Nature Communications</i> , 2020, 11, 5064.	12.8	243
6	Importance of eIF2 α Phosphorylation and Stress Granule Assembly in Alphavirus Translation Regulation. <i>Molecular Biology of the Cell</i> , 2005, 16, 3753-3763.	2.1	219
7	Foot-and-Mouth Disease Virus 3C Protease Induces Cleavage of Translation Initiation Factors eIF4A and eIF4G within Infected Cells. <i>Journal of Virology</i> , 2000, 74, 272-280.	3.4	169
8	The Host Nonsense-Mediated mRNA Decay Pathway Restricts Mammalian RNA Virus Replication. <i>Cell Host and Microbe</i> , 2014, 16, 403-411.	11.0	150
9	Sequestration of G3BP coupled with efficient translation inhibits stress granules in Semliki Forest virus infection. <i>Molecular Biology of the Cell</i> , 2012, 23, 4701-4712.	2.1	148
10	Age-Dependent TLR3 Expression of the Intestinal Epithelium Contributes to Rotavirus Susceptibility. <i>PLoS Pathogens</i> , 2012, 8, e1002670.	4.7	141
11	A novel quantitative flow cytometry-based assay for autophagy. <i>Autophagy</i> , 2010, 6, 634-641.	9.1	137
12	Viral and Cellular Proteins Containing FGDF Motifs Bind G3BP to Block Stress Granule Formation. <i>PLoS Pathogens</i> , 2015, 11, e1004659.	4.7	133
13	Selection, biophysical and structural analysis of synthetic nanobodies that effectively neutralize SARS-CoV-2. <i>Nature Communications</i> , 2020, 11, 5588.	12.8	132
14	The Antiviral Alkaloid Berberine Reduces Chikungunya Virus-Induced Mitogen-Activated Protein Kinase Signaling. <i>Journal of Virology</i> , 2016, 90, 9743-9757.	3.4	127
15	MAVS, cGAS, and endogenous retroviruses in T-independent B cell responses. <i>Science</i> , 2014, 346, 1486-1492.	12.6	105
16	A forward genetic screen reveals roles for <i>Nfkbid</i> , <i>Zeb1</i> , and <i>Ruvbl2</i> in humoral immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12286-12293.	7.1	104
17	Antiviral Activity of Silver, Copper Oxide and Zinc Oxide Nanoparticle Coatings against SARS-CoV-2. <i>Nanomaterials</i> , 2021, 11, 1312.	4.1	99
18	The Enigmatic Alphavirus Non-Structural Protein 3 (nsP3) Revealing Its Secrets at Last. <i>Viruses</i> , 2018, 10, 105.	3.3	91

#	ARTICLE	IF	CITATIONS
19	The C-Terminal Repeat Domains of nsP3 from the Old World Alphaviruses Bind Directly to G3BP. <i>Journal of Virology</i> , 2014, 88, 5888-5893.	3.4	90
20	Semliki Forest Virus Nonstructural Protein 2 Is Involved in Suppression of the Type I Interferon Response. <i>Journal of Virology</i> , 2007, 81, 8677-8684.	3.4	85
21	A Differential Role for Macropinocytosis in Mediating Entry of the Two Forms of Vaccinia Virus into Dendritic Cells. <i>PLoS Pathogens</i> , 2010, 6, e1000866.	4.7	82
22	Differential Phosphatidylinositol-3-Kinase-Akt-mTOR Activation by Semliki Forest and Chikungunya Viruses Is Dependent on nsP3 and Connected to Replication Complex Internalization. <i>Journal of Virology</i> , 2015, 89, 11420-11437.	3.4	81
23	Real-time resolution of point mutations that cause phenovariance in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E440-9.	7.1	75
24	Early Alpha/Beta Interferon Production by Myeloid Dendritic Cells in Response to UV-Inactivated Virus Requires Viral Entry and Interferon Regulatory Factor 3 but Not MyD88. <i>Journal of Virology</i> , 2005, 79, 10376-10385.	3.4	59
25	Combined structural, biochemical and cellular evidence demonstrates that both FGDF motifs in alphavirus nsP3 are required for efficient replication. <i>Open Biology</i> , 2016, 6, 160078.	3.6	57
26	Alphavirus-induced hyperactivation of PI3K/AKT directs pro-viral metabolic changes. <i>PLoS Pathogens</i> , 2018, 14, e1006835.	4.7	50
27	A bispecific monomeric nanobody induces spike trimer dimers and neutralizes SARS-CoV-2 in vivo. <i>Nature Communications</i> , 2022, 13, 155.	12.8	49
28	Noroviruses subvert the core stress granule component G3BP1 to promote viral VPg-dependent translation. <i>ELife</i> , 2019, 8, .	6.0	48
29	Large scale discovery of coronavirus-host factor protein interaction motifs reveals SARS-CoV-2 specific mechanisms and vulnerabilities. <i>Nature Communications</i> , 2021, 12, 6761.	12.8	47
30	Methods for the characterization of stress granules in virus infected cells. <i>Methods</i> , 2015, 90, 57-64.	3.8	45
31	Separate domains of G3BP promote efficient clustering of alphavirus replication complexes and recruitment of the translation initiation machinery. <i>PLoS Pathogens</i> , 2019, 15, e1007842.	4.7	45
32	Mutation of CD2AP and SH3KBP1 Binding Motif in Alphavirus nsP3 Hypervariable Domain Results in Attenuated Virus. <i>Viruses</i> , 2018, 10, 226.	3.3	37
33	Effects of an In-Frame Deletion of the <i>6k</i> Gene Locus from the Genome of Ross River Virus. <i>Journal of Virology</i> , 2016, 90, 4150-4159.	3.4	34
34	Seropositivity in blood donors and pregnant women during the first year of SARS-CoV-2 transmission in Stockholm, Sweden. <i>Journal of Internal Medicine</i> , 2021, 290, 666-676.	6.0	34
35	Adenovirus type-35 vectors block human CD4 ⁺ T-cell activation via CD46 ligation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7499-7504.	7.1	33
36	SARS-CoV-2 protein subunit vaccination of mice and rhesus macaques elicits potent and durable neutralizing antibody responses. <i>Cell Reports Medicine</i> , 2021, 2, 100252.	6.5	33

#	ARTICLE	IF	CITATIONS
37	Multianalyte serology in home-sampled blood enables an unbiased assessment of the immune response against SARS-CoV-2. <i>Nature Communications</i> , 2021, 12, 3695.	12.8	32
38	Adjuvanted SARS-CoV-2 spike protein elicits neutralizing antibodies and CD4 T cell responses after a single immunization in mice. <i>EBioMedicine</i> , 2021, 63, 103197.	6.1	31
39	Multiple Polymorphisms Affect Expression and Function of the Neuropeptide S Receptor (NPSR1). <i>PLoS ONE</i> , 2011, 6, e29523.	2.5	30
40	Role of Interferon Regulatory Factor 3 in Type I Interferon Responses in Rotavirus-Infected Dendritic Cells and Fibroblasts. <i>Journal of Virology</i> , 2007, 81, 2758-2768.	3.4	29
41	Picomolar SARS-CoV-2 Neutralization Using Multi-Arm PEG Nanobody Constructs. <i>Biomolecules</i> , 2020, 10, 1661.	4.0	27
42	Accumulation of Autophagosomes in Semliki Forest Virus-Infected Cells Is Dependent on Expression of the Viral Glycoproteins. <i>Journal of Virology</i> , 2012, 86, 5674-5685.	3.4	25
43	Systematic evaluation of SARS-CoV-2 antigens enables a highly specific and sensitive multiplex serological COVID-19 assay. <i>Clinical and Translational Immunology</i> , 2021, 10, e1312.	3.8	24
44	Semliki Forest virus produced in the absence of the 6K protein has an altered spike structure as revealed by decreased membrane fusion capacity. <i>Virology</i> , 2004, 325, 200-206.	2.4	22
45	Activation of the PI3K-AKT Pathway by Old World Alphaviruses. <i>Cells</i> , 2020, 9, 970.	4.1	22
46	A Prime-Boost Vaccination Strategy in Cattle to Prevent Foot-and-Mouth Disease Using a "Single-Cycle" Alphavirus Vector and Empty Capsid Particles. <i>PLoS ONE</i> , 2016, 11, e0157435.	2.5	22
47	Alphavirus RNA replication in vertebrate cells. <i>Advances in Virus Research</i> , 2021, 111, 111-156.	2.1	22
48	A mutation of Ikbkg causes immune deficiency without impairing degradation of IAB. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3046-3051.	7.1	21
49	Sensitivity of Alphaviruses to G3BP Deletion Correlates with Efficiency of Replicase Polyprotein Processing. <i>Journal of Virology</i> , 2020, 94, .	3.4	20
50	Influenza A virus-mediated priming enhances cytokine secretion by human dendritic cells infected with <i>Streptococcus pneumoniae</i> . <i>Cellular Microbiology</i> , 2013, 15, 1385-1400.	2.1	19
51	FGDF Motif Regulation of Stress Granule Formation. <i>DNA and Cell Biology</i> , 2015, 34, 557-560.	1.9	18
52	Multivariate mining of an alpaca immune repertoire identifies potent cross-neutralizing SARS-CoV-2 nanobodies. <i>Science Advances</i> , 2022, 8, eabm0220.	10.3	18
53	Bone Marrow Dendritic Cells Internalize Live RF-81 Bovine Rotavirus and Rotavirus-like Particles (RF) Tj ETQq1 1 0.784314 rgBT /Overl <i>Immunology</i> , 2007, 65, 494-502.	2.7	17
54	Protection of Human Myeloid Dendritic Cell Subsets against Influenza A Virus Infection Is Differentially Regulated upon TLR Stimulation. <i>Journal of Immunology</i> , 2015, 194, 4422-4430.	0.8	17

#	ARTICLE	IF	CITATIONS
55	DNA-launched RNA replicon vaccines induce potent anti-SARS-CoV-2 immune responses in mice. <i>Scientific Reports</i> , 2021, 11, 3125.	3.3	17
56	Beta RBD boost broadens antibody-mediated protection against SARS-CoV-2 variants in animal models. <i>Cell Reports Medicine</i> , 2021, 2, 100450.	6.5	17
57	Efficient expansion of HIV-1-specific T cell responses by homologous immunization with recombinant Semliki Forest virus particles. <i>Virology</i> , 2005, 341, 190-202.	2.4	16
58	Elongated and Shortened Peptidomimetic Inhibitors of the Proprotein Convertase Furin. <i>ChemMedChem</i> , 2017, 12, 613-620.	3.2	16
59	Replication-competent foot-and-mouth disease virus RNAs lacking capsid coding sequences. <i>Microbiology (United Kingdom)</i> , 2000, 81, 1699-1702.	1.8	15
60	Reversible Acid-Induced Inactivation of the Membrane Fusion Protein of Semliki Forest Virus. <i>Journal of Virology</i> , 2005, 79, 7942-7948.	3.4	12
61	Replication of <i>Salmonella enterica</i> serovar Typhimurium in RAW264.7 Phagocytes Correlates With Hypoxia and Lack of iNOS Expression. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 537782.	3.9	11
62	Increased human immunodeficiency virus type 1 Env expression and antibody induction using an enhanced alphavirus vector. <i>Journal of General Virology</i> , 2007, 88, 2774-2779.	2.9	10
63	Direct Cleavage, Proteasomal Degradation and Sequestration: Three Mechanisms of Viral Subversion of Type I Interferon Responses. <i>Journal of Innate Immunity</i> , 2009, 1, 599-606.	3.8	10
64	A Link Between a Common Mutation in CFTR and Impaired Innate and Adaptive Viral Defense. <i>Journal of Infectious Diseases</i> , 2017, 216, 1308-1317.	4.0	9
65	RNA processing bodies are disassembled during Old World alphavirus infection. <i>Journal of General Virology</i> , 2019, 100, 1375-1389.	2.9	9
66	Specific ligation to double-stranded RNA for analysis of cellular RNA:RNA interactions. <i>Nucleic Acids Research</i> , 2008, 36, e99-e99.	14.5	7
67	<i>Arabidopsis thaliana</i> G3BP Ortholog Rescues Mammalian Stress Granule Phenotype across Kingdoms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6287.	4.1	6
68	Autophagic flux blockage by accumulation of weakly basic tenovins leads to elimination of B-Raf mutant tumour cells that survive vemurafenib. <i>PLoS ONE</i> , 2018, 13, e0195956.	2.5	4
69	Probabilistic classification of anti-SARS-CoV-2 antibody responses improves seroprevalence estimates. <i>Clinical and Translational Immunology</i> , 2022, 11, e1379.	3.8	4
70	Nanobodies in the limelight: Multifunctional tools in the fight against viruses. <i>Journal of General Virology</i> , 2022, 103, .	2.9	1