Lisa E Gralinski

List of Publications by Year
in descending order

51	14,306	87723 38	168136 53
papers	citations	h-index	g-index

67	67	67	24167
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Broad-spectrum antiviral GS-5734 inhibits both epidemic and zoonotic coronaviruses. Science Translational Medicine, 2017, 9, .	5.8	1,279
2	SARS-CoV-2 Reverse Genetics Reveals a Variable Infection Gradient in the Respiratory Tract. Cell, 2020, 182, 429-446.e14.	13.5	1,257
3	Potently neutralizing and protective human antibodies against SARS-CoV-2. Nature, 2020, 584, 443-449.	13.7	956
4	Return of the Coronavirus: 2019-nCoV. Viruses, 2020, 12, 135.	1.5	932
5	SARS-CoV-2 D614G variant exhibits efficient replication ex vivo and transmission in vivo. Science, 2020, 370, 1464-1468.	6.0	808
6	A SARS-like cluster of circulating bat coronaviruses shows potential for human emergence. Nature Medicine, 2015, 21, 1508-1513.	15.2	753
7	Animal models for COVID-19. Nature, 2020, 586, 509-515.	13.7	705
8	Complement Activation Contributes to Severe Acute Respiratory Syndrome Coronavirus Pathogenesis. MBio, 2018, 9, .	1.8	557
9	A mouse-adapted model of SARS-CoV-2 to test COVID-19 countermeasures. Nature, 2020, 586, 560-566.	13.7	527
10	A Mouse-Adapted SARS-CoV-2 Induces Acute Lung Injury and Mortality in Standard Laboratory Mice. Cell, 2020, 183, 1070-1085.e12.	13.5	472
11	A Single-Dose Intranasal ChAd Vaccine Protects Upper and Lower Respiratory Tracts against SARS-CoV-2. Cell, 2020, 183, 169-184.e13.	13.5	446
12	A Double-Inactivated Severe Acute Respiratory Syndrome Coronavirus Vaccine Provides Incomplete Protection in Mice and Induces Increased Eosinophilic Proinflammatory Pulmonary Response upon Challenge. Journal of Virology, 2011, 85, 12201-12215.	1.5	427
13	Elicitation of Potent Neutralizing Antibody Responses by Designed Protein Nanoparticle Vaccines for SARS-CoV-2. Cell, 2020, 183, 1367-1382.e17.	13.5	420
14	Remdesivir Inhibits SARS-CoV-2 in Human Lung Cells and Chimeric SARS-CoV Expressing the SARS-CoV-2 RNA Polymerase in Mice. Cell Reports, 2020, 32, 107940.	2.9	412
15	SARS-like WIV1-CoV poised for human emergence. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3048-3053.	3.3	373
16	SARS-CoV-2 infection is effectively treated and prevented by EIDD-2801. Nature, 2021, 591, 451-457.	13.7	320
17	Broad and potent activity against SARS-like viruses by an engineered human monoclonal antibody. Science, 2021, 371, 823-829.	6.0	285
18	Molecular pathology of emerging coronavirus infections. Journal of Pathology, 2015, 235, 185-195.	2.1	275

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19	Mechanisms of Severe Acute Respiratory Syndrome Coronavirus-Induced Acute Lung Injury. MBio, 2013, 4, .	1.8	251
20	Pathogenic Influenza Viruses and Coronaviruses Utilize Similar and Contrasting Approaches To Control Interferon-Stimulated Gene Responses. MBio, 2014, 5, e01174-14.	1.8	246
21	The Mouse Universal Genotyping Array: From Substrains to Subspecies. G3: Genes, Genomes, Genetics, 2016, 6, 263-279.	0.8	199
22	Attenuation and Restoration of Severe Acute Respiratory Syndrome Coronavirus Mutant Lacking 2â€²-O-Methyltransferase Activity. Journal of Virology, 2014, 88, 4251-4264.	1.5	194
23	Modeling Host Genetic Regulation of Influenza Pathogenesis in the Collaborative Cross. PLoS Pathogens, 2013, 9, e1003196.	2.1	183
24	Trypsin Treatment Unlocks Barrier for Zoonotic Bat Coronavirus Infection. Journal of Virology, 2020, 94, .	1.5	162
25	MERS-CoV and H5N1 influenza virus antagonize antigen presentation by altering the epigenetic landscape. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1012-E1021.	3.3	142
26	Release of Severe Acute Respiratory Syndrome Coronavirus Nuclear Import Block Enhances Host Transcription in Human Lung Cells. Journal of Virology, 2013, 87, 3885-3902.	1.5	140
27	Genome Wide Identification of SARS-CoV Susceptibility Loci Using the Collaborative Cross. PLoS Genetics, 2015, 11, e1005504.	1.5	137
28	MERS-CoV Accessory ORFs Play Key Role for Infection and Pathogenesis. MBio, 2017, 8, .	1.8	126
29	Annotation of long non-coding RNAs expressed in Collaborative Cross founder mice in response to respiratory virus infection reveals a new class of interferon-stimulated transcripts. RNA Biology, 2014, 11, 875-890.	1.5	122
30	Middle East Respiratory Syndrome Coronavirus Nonstructural Protein 16 Is Necessary for Interferon Resistance and Viral Pathogenesis. MSphere, 2017, 2, .	1.3	92
31	Rapid identification of a human antibody with high prophylactic and therapeutic efficacy in three animal models of SARS-CoV-2 infection. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29832-29838.	3.3	81
32	Allelic Variation in the Toll-Like Receptor Adaptor ProteinTicam2Contributes to SARS-Coronavirus Pathogenesis in Mice. G3: Genes, Genomes, Genetics, 2017, 7, 1653-1663.	0.8	75
33	SARS-CoV-2 RBD trimer protein adjuvanted with Alum-3M-052 protects from SARS-CoV-2 infection and immune pathology in the lung. Nature Communications, 2021, 12, 3587.	5.8	71
34	Successful Vaccination Strategies That Protect Aged Mice from Lethal Challenge from Influenza Virus and Heterologous Severe Acute Respiratory Syndrome Coronavirus. Journal of Virology, 2011, 85, 217-230.	1.5	69
35	New Metrics for Evaluating Viral Respiratory Pathogenesis. PLoS ONE, 2015, 10, e0131451.	1.1	60
36	The effect of inhibition of PP1 and TNFÎ± signaling on pathogenesis of SARS coronavirus. BMC Systems Biology, 2016, 10, 93.	3.0	58

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37	Combination Attenuation Offers Strategy for Live Attenuated Coronavirus Vaccines. Journal of Virology, 2018, 92, .	1.5	58
38	Content and Performance of the MiniMUGA Genotyping Array: A New Tool To Improve Rigor and Reproducibility in Mouse Research. Genetics, 2020, 216, 905-930.	1.2	58
39	A Mouse Model for Betacoronavirus Subgroup 2c Using a Bat Coronavirus Strain HKU5 Variant. MBio, 2014, 5, e00047-14.	1.8	55
40	SARS-CoV-2 infection produces chronic pulmonary epithelial and immune cell dysfunction with fibrosis in mice. Science Translational Medicine, 2022, 14, .	5.8	55
41	Targeted isolation of diverse human protective broadly neutralizing antibodies against SARS-like viruses. Nature Immunology, 2022, 23, 960-970.	7.0	39
42	Complex Genetic Architecture Underlies Regulation of Influenza-A-Virus-Specific Antibody Responses in the Collaborative Cross. Cell Reports, 2020, 31, 107587.	2.9	31
43	Genomic Profiling of Collaborative Cross Founder Mice Infected with Respiratory Viruses Reveals Novel Transcripts and Infection-Related Strain-Specific Gene and Isoform Expression. G3: Genes, Genomes, Genetics, 2014, 4, 1429-1444.	0.8	25
44	Baseline T cell immune phenotypes predict virologic and disease control upon SARS-CoV infection in Collaborative Cross mice. PLoS Pathogens, 2021, 17, e1009287.	2.1	22
45	A modified vaccinia Ankara vaccine expressing spike and nucleocapsid protects rhesus macaques against SARS-CoV-2 Delta infection. Science Immunology, 2022, 7, eabo0226.	5.6	22
46	The Role of EGFR in Influenza Pathogenicity: Multiple Network-Based Approaches to Identify a Key Regulator of Non-lethal Infections. Frontiers in Cell and Developmental Biology, 2019, 7, 200.	1.8	18
47	Unfolded Protein Response Inhibition Reduces Middle East Respiratory Syndrome Coronavirus-Induced Acute Lung Injury. MBio, 2021, 12, e0157221.	1.8	16
48	Protective Efficacy of Rhesus Adenovirus COVID-19 Vaccines against Mouse-Adapted SARS-CoV-2. Journal of Virology, 2021, 95, e0097421.	1.5	12
49	A Multitrait Locus Regulates Sarbecovirus Pathogenesis. MBio, 2022, 13, .	1.8	11
50	Immune predictors of mortality following RNA virus infection. Journal of Infectious Diseases, 2020, 221, 882-889.	1.9	10
51	Coagulation and wound repair during COVID-19. Journal of Heart and Lung Transplantation, 2021, 40, 1076-1081.	0.3	2