Benjamin W Neuman

List of Publications by Year
in descending order

53	4,326	186209 28	182361 51
papers	citations	h-index	g-index

55	55	55	6585
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantum optical immunoassay: upconversion nanoparticle-based neutralizing assay for COVID-19. Scientific Reports, 2022, 12, 1263.	1.6	8
2	Evaluation of SARS-CoV-2 Main Protease Inhibitors Using a Novel Cell-Based Assay. ACS Central Science, 2022, 8, 192-204.	5.3	30
3	Identification of a Membrane Binding Peptide in the Envelope Protein of MHV Coronavirus. Viruses, 2020, 12, 1054.	1.5	9
4	Enhancing sensitivity of lateral flow assay with application to SARS-CoV-2. Applied Physics Letters, 2020, 117, 120601.	1.5	34
5	Genomic Characterisation of Mushroom Pathogenic Pseudomonads and Their Interaction with Bacteriophages. Viruses, 2020, 12, 1286.	1.5	3
6	Isolation, Characterisation and Experimental Evolution of Phage that Infect the Horse Chestnut Tree Pathogen, Pseudomonas syringae pv. aesculi. Current Microbiology, 2020, 77, 1438-1447.	1.0	10
7	Bacteriophages as promising agents for the biological control of Moko disease (Ralstonia) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.4	31
8	A Fusion Peptide in the Spike Protein of MERS Coronavirus. Viruses, 2019, 11, 825.	1.5	38
9	Inhibition of Cytosolic Phospholipase A₂Î± Impairs an Early Step of Coronavirus Replication in Cell Culture. Journal of Virology, 2018, 92, .	1.5	107
10	Synthesis and antiviral activity of novel spirocyclic nucleosides. New Journal of Chemistry, 2018, 42, 18363-18380.	1.4	10
11	Infectious Bronchitis Virus Nonstructural Protein 4 Alone Induces Membrane Pairing. Viruses, 2018, 10, 477.	1.5	20
12	Description and initial characterization of metatranscriptomic nidovirus-like genomes from the proposed new family Abyssoviridae, and from a sister group to the Coronavirinae, the proposed genus Alphaletovirus. Virology, 2018, 524, 160-171.	1.1	63
13	Bioinformatics and functional analyses of coronavirus nonstructural proteins involved in the formation of replicative organelles. Antiviral Research, 2016, 135, 97-107.	1.9	72
14	Extensive coronavirus-induced membrane rearrangements are not a determinant of pathogenicity. Scientific Reports, 2016, 6, 27126.	1.6	28
15	Identification and Characterization of a Ribose 2â€²- O -Methyltransferase Encoded by the Ronivirus Branch of Nidovirales. Journal of Virology, 2016, 90, 6675-6685.	1.5	22
16	Supramolecular Architecture of the Coronavirus Particle. Advances in Virus Research, 2016, 96, 1-27.	0.9	104
17	New CLEM Method to Reveal Ultrastructural Reorganization in the Host Cell during Coronavirus Infection. Microscopy and Microanalysis, 2015, 21, 537-538.	0.2	0
18	New insights on the role of paired membrane structures in coronavirus replication. Virus Research, 2015, 202, 33-40.	1.1	19

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19	Purification of Coronavirus Virions for Cryo-EM and Proteomic Analysis. Methods in Molecular Biology, 2015, 1282, 99-108.	0.4	17
20	The proteome of the infectious bronchitis virus Beau-R virion. Journal of General Virology, 2015, 96, 3499-3506.	1.3	15
21	Competitive Fitness in Coronaviruses Is Not Correlated with Size or Number of Double-Membrane Vesicles under Reduced-Temperature Growth Conditions. MBio, 2014, 5, e01107-13.	1.8	28
22	Untangling Membrane Rearrangement in theNidovirales. DNA and Cell Biology, 2014, 33, 122-127.	0.9	24
23	Atlas of coronavirus replicase structure. Virus Research, 2014, 194, 49-66.	1.1	52
24	Does form meet function in the coronavirus replicative organelle?. Trends in Microbiology, 2014, 22, 642-647.	3.5	39
25	Synthesis and Antiviral Properties of Spirocyclic [1,2,3]â€Triazolooxazine Nucleosides. Chemistry - A European Journal, 2014, 20, 11685-11689.	1.7	25
26	Supramolecular Architecture of the Coronavirus Particle. , 2014, , 201-210.		0
27	How the Double Spherules of Infectious Bronchitis Virus Impact Our Understanding of RNA Virus Replicative Organelles. MBio, 2013, 4, e00987-13.	1.8	4
28	Arenavirus budding resulting from viral-protein-associated cell membrane curvature. Journal of the Royal Society Interface, 2013, 10, 20130403.	1.5	10
29	Severe Acute Respiratory Syndrome Coronavirus Nonstructural Proteins 3, 4, and 6 Induce Double-Membrane Vesicles. MBio, 2013, 4, .	1.8	399
30	Direct Observation of Membrane Insertion by Enveloped Virus Matrix Proteins by Phosphate Displacement. PLoS ONE, 2013, 8, e57916.	1.1	5
31	A structural analysis of M protein in coronavirus assembly and morphology. Journal of Structural Biology, 2011, 174, 11-22.	1.3	625
32	Ribose 2â€²-O-methylation provides a molecular signature for the distinction of self and non-self mRNA dependent on the RNA sensor Mda5. Nature Immunology, 2011, 12, 137-143.	7.0	640
33	Development of Peptide-Conjugated Morpholino Oligomers as Pan-Arenavirus Inhibitors. Antimicrobial Agents and Chemotherapy, 2011, 55, 4631-4638.	1.4	23
34	SARS Coronavirus Unique Domain: Three-Domain Molecular Architecture in Solution and RNA Binding. Journal of Molecular Biology, 2010, 400, 724-742.	2.0	54
35	Nuclear Magnetic Resonance Structure of the Nucleic Acid-Binding Domain of Severe Acute Respiratory Syndrome Coronavirus Nonstructural Protein 3. Journal of Virology, 2009, 83, 12998-13008.	1.5	63
36	Nuclear Magnetic Resonance Structure Shows that the Severe Acute Respiratory Syndrome Coronavirus-Unique Domain Contains a Macrodomain Fold. Journal of Virology, 2009, 83, 1823-1836.	1.5	50

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37	Proteomics Analysis Unravels the Functional Repertoire of Coronavirus Nonstructural Protein 3. Journal of Virology, 2008, 82, 5279-5294.	1.5	167
38	Purification and Electron Cryomicroscopy of Coronavirus Particles. Methods in Molecular Biology, 2008, 454, 129-136.	0.4	11
39	Antiviral Effects of Antisense Morpholino Oligomers in Murine Coronavirus Infection Models. Journal of Virology, 2007, 81, 5637-5648.	1.5	82
40	Nuclear Magnetic Resonance Structure of the N-Terminal Domain of Nonstructural Protein 3 from the Severe Acute Respiratory Syndrome Coronavirus. Journal of Virology, 2007, 81, 12049-12060.	1.5	75
41	Ribonucleocapsid Formation of Severe Acute Respiratory Syndrome Coronavirus through Molecular Action of the N-Terminal Domain of N Protein. Journal of Virology, 2007, 81, 3913-3921.	1.5	125
42	Mapping the Landscape of the Lymphocytic Choriomeningitis Virus Stable Signal Peptide Reveals Novel Functional Domains. Journal of Virology, 2007, 81, 5649-5657.	1.5	53
43	Crystal Structure of a Monomeric Form of Severe Acute Respiratory Syndrome Coronavirus Endonuclease nsp15 Suggests a Role for Hexamerization as an Allosteric Switch. Journal of Virology, 2007, 81, 6700-6708.	1.5	80
44	Ultrastructure of SARS-CoV, FIPV, and MHV Revealed by Electron Cryomicroscopy. Advances in Experimental Medicine and Biology, 2006, 581, 181-185.	0.8	9
45	Crystal Structure of Nonstructural Protein 10 from the Severe Acute Respiratory Syndrome Coronavirus Reveals a Novel Fold with Two Zinc-Binding Motifs. Journal of Virology, 2006, 80, 7894-7901.	1.5	110
46	Supramolecular Architecture of Severe Acute Respiratory Syndrome Coronavirus Revealed by Electron Cryomicroscopy. Journal of Virology, 2006, 80, 7918-7928.	1.5	350
47	Inhibition and Escape of SARS-CoV Treated with Antisense Morpholino Oligomers. Advances in Experimental Medicine and Biology, 2006, 581, 567-571.	0.8	11
48	Structural Basis of Severe Acute Respiratory Syndrome Coronavirus ADP-Ribose-1â€³-Phosphate Dephosphorylation by a Conserved Domain of nsP3. Structure, 2005, 13, 1665-1675.	1.6	175
49	Rapid Identification of Emerging Pathogens: Coronavirus. Emerging Infectious Diseases, 2005, 11, 373-379.	2.0	94
50	Structural Genomics of the Severe Acute Respiratory Syndrome Coronavirus: Nuclear Magnetic Resonance Structure of the Protein nsP7. Journal of Virology, 2005, 79, 12905-12913.	1.5	58
51	Complementarity in the Supramolecular Design of Arenaviruses and Retroviruses Revealed by Electron Cryomicroscopy and Image Analysis. Journal of Virology, 2005, 79, 3822-3830.	1.5	72
52	Inhibition, Escape, and Attenuated Growth of Severe Acute Respiratory Syndrome Coronavirus Treated with Antisense Morpholino Oligomers. Journal of Virology, 2005, 79, 9665-9676.	1.5	102
53	Antisense Morpholino-Oligomers Directed against the 5â€² End of the Genome Inhibit Coronavirus Proliferation and Growthâ€. Journal of Virology, 2004, 78, 5891-5899.	1.5	71