Gaya K Amarasinghe

List of Publications by Year
in descending order

99 papers	7,238 citations	53794 45 h-index	62596 80 g-index
104 all docs	104 docs citations	104 times ranked	10174 citing authors

#	Article	IF	Citations
1	Comparison of the immunogenicity of <scp>BNT162b2</scp> and <scp>CoronaVac COVID</scp>â€19 vaccines in Hong Kong. Respirology, 2022, 27, 301-310.	2.3	127
2	Cryo-EM analysis of Ebola virus nucleocapsid-like assembly. STAR Protocols, 2022, 3, 101030.	1.2	0
3	Development of Monoclonal Antibodies to Detect for SARS-CoV-2 Proteins. Journal of Molecular Biology, 2022, 434, 167583.	4.2	4
4	Nipah Virus V Protein Binding Alters MDA5 Helicase Folding Dynamics. ACS Infectious Diseases, 2022, 8, 118-128.	3.8	3
5	A cryptic pocket in Ebola VP35 allosterically controls RNA binding. Nature Communications, 2022, 13, 2269.	12.8	19
6	Human Metapneumovirus Phosphoprotein Independently Drives Phase Separation and Recruits Nucleoprotein to Liquid-Like Bodies. MBio, 2022, 13, e0109922.	4.1	15
7	SARS-CoV-2 accessory proteins reveal distinct serological signatures in children. Nature Communications, 2022, 13, .	12.8	22
8	Rapid detection of an Ebola biomarker with optical microring resonators. Cell Reports Methods, 2022, 2, 100234.	2.9	9
9	Liquid Phase Partitioning in Virus Replication: Observations and Opportunities. Annual Review of Virology, 2022, 9, 285-306.	6.7	24
10	Monoclonal antibodies binding data for SARS-CoV-2 proteins. Data in Brief, 2022, , 108415.	1.0	0
11	The intrinsically disordered protein TgIST from Toxoplasma gondii inhibits STAT1 signaling by blocking cofactor recruitment. Nature Communications, 2022, 13, .	12.8	15
12	Itaconate confers tolerance to late NLRP3 inflammasome activation. Cell Reports, 2021, 34, 108756.	6.4	105
13	Structural basis for IFN antagonism by human respiratory syncytial virus nonstructural protein 2. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2020587118.	7.1	12
14	Characterization of SARS-CoV-2 nucleocapsid protein reveals multiple functional consequences of the C-terminal domain. IScience, 2021, 24, 102681.	4.1	57
15	Nonâ€canonical prolineâ€tyrosine interactions with multiple host proteins regulate Ebola virus infection. EMBO Journal, 2021, 40, e105658.	7.8	8
16	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2021, 166, 3513-3566.	2.1	62
17	Lrp1 is a host entry factor for Rift Valley fever virus. Cell, 2021, 184, 5163-5178.e24.	28.9	46
18	Tetravalent SARS-CoV-2 Neutralizing Antibodies Show Enhanced Potency and Resistance to Escape Mutations. Journal of Molecular Biology, 2021, 433, 167177.	4.2	31

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19	Nuclear-localized human respiratory syncytial virus NS1 protein modulates host gene transcription. Cell Reports, 2021, 37, 109803.	6.4	18
20	Domain-specific biochemical and serological characterization of SARS-CoV-2 nucleocapsid protein. STAR Protocols, 2021, 2, 100906.	1.2	1
21	Global phosphoproteomic analysis of Ebola virions reveals a novel role for VP35 phosphorylation-dependent regulation of genome transcription. Cellular and Molecular Life Sciences, 2020, 77, 2579-2603.	5.4	8
22	The Cap-Snatching SFTSV Endonuclease Domain Is an Antiviral Target. Cell Reports, 2020, 30, 153-163.e5.	6.4	31
23	Small Molecule Compounds That Inhibit Antioxidant Response Gene Expression in an Inducer-Dependent Manner. ACS Infectious Diseases, 2020, 6, 489-502.	3.8	1
24	2020 taxonomic update for phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2020, 165, 3023-3072.	2.1	184
25	Fragment screening targeting Ebola virus nucleoprotein C-terminal domain identifies lead candidates. Antiviral Research, 2020, 180, 104822.	4.1	3
26	Neutralizing Antibody and Soluble ACE2 Inhibition of a Replication-Competent VSV-SARS-CoV-2 and a Clinical Isolate of SARS-CoV-2. Cell Host and Microbe, 2020, 28, 475-485.e5.	11.0	380
27	Taxonomy of the order Mononegavirales: second update 2018. Archives of Virology, 2019, 164, 1233-1244.	2.1	70
28	A Secreted Viral Nonstructural Protein Determines Intestinal Norovirus Pathogenesis. Cell Host and Microbe, 2019, 25, 845-857.e5.	11.0	57
29	Ebola Virus Replication Stands Out. Trends in Microbiology, 2019, 27, 565-566.	7.7	0
30	Taxonomy of the order Mononegavirales: update 2019. Archives of Virology, 2019, 164, 1967-1980.	2.1	224
31	Backbone resonance assignments and secondary structure of Ebola nucleoprotein 600â€“739 construct. Biomolecular NMR Assignments, 2019, 13, 315-319.	0.8	3
32	Potent Neutralization of Staphylococcal Enterotoxin B In Vivo by Antibodies that Block Binding to the T-Cell Receptor. Journal of Molecular Biology, 2019, 431, 4354-4367.	4.2	14
33	Virus and host interactions critical for filoviral RNA synthesis as therapeutic targets. Antiviral Research, 2019, 162, 90-100.	4.1	12
34	Advanced Methods for Accessing Protein Shape-Shifting Present New Therapeutic Opportunities. Trends in Biochemical Sciences, 2019, 44, 351-364.	7.5	34
35	ICTV Virus Taxonomy Profile: Filoviridae. Journal of General Virology, 2019, 100, 911-912.	2.9	78
36	Electron Cryo-microscopy Structure of Ebola Virus Nucleoprotein Reveals a Mechanism for Nucleocapsid-like Assembly. Cell, 2018, 172, 966-978.e12.	28.9	51

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37	Human IFIT3 Modulates IFIT1 RNA Binding Specificity and Protein Stability. Immunity, 2018, 48, 487-499.e5.	14.3	94
38	Electrophilic properties of itaconate and derivatives regulate theÂIÎºBÎ¶â€“ATF3 inflammatory axis. Nature, 2018, 556, 501-504.	27.8	438
39	Taxonomy of the order Mononegavirales: update 2018. Archives of Virology, 2018, 163, 2283-2294.	2.1	153
40	Nucleotide resolution mapping of influenza A virus nucleoprotein-RNA interactions reveals RNA features required for replication. Nature Communications, 2018, 9, 465.	12.8	63
41	Oxeiptosis, a ROS-induced caspase-independent apoptosis-like cell-death pathway. Nature Immunology, 2018, 19, 130-140.	14.5	239
42	Protein Interaction Mapping Identifies RBBP6 as a Negative Regulator of Ebola Virus Replication. Cell, 2018, 175, 1917-1930.e13.	28.9	108
43	Mycobacterium tuberculosis carrying a rifampicin drug resistance mutation reprograms macrophage metabolism through cell wall lipid changes. Nature Microbiology, 2018, 3, 1099-1108.	13.3	90
44	Structure-Function Analysis of the Curli Accessory Protein CsgE Defines Surfaces Essential for Coordinating Amyloid Fiber Formation. MBio, 2018, 9, .	4.1	33
45	Conservation of Structure and Immune Antagonist Functions of Filoviral VP35 Homologs Present in Microbat Genomes. Cell Reports, 2018, 24, 861-872.e6.	6.4	16
46	Role of Antibodies in Protection Against Ebola Virus in Nonhuman Primates Immunized With Three Vaccine Platforms. Journal of Infectious Diseases, 2018, 218, S553-S564.	4.0	22
47	MRI Is a DNA Damage Response Adaptor during Classical Non-homologous End Joining. Molecular Cell, 2018, 71, 332-342.e8.	9.7	76
48	Applications of Parametrized NMR Spin Systems of Small Molecules. Analytical Chemistry, 2018, 90, 10646-10649.	6.5	23
49	VP24-Karyopherin Alpha Binding Affinities Differ between Ebolavirus Species, Influencing Interferon Inhibition and VP24 Stability. Journal of Virology, 2017, 91, .	3.4	21
50	A Sensitive in Vitro High-Throughput Screen To Identify Pan-filoviral Replication Inhibitors Targeting the VP35â€“NP Interface. ACS Infectious Diseases, 2017, 3, 190-198.	3.8	22
51	Taxonomy of the order Mononegavirales: update 2017. Archives of Virology, 2017, 162, 2493-2504.	2.1	173
52	Ebola virus VP30 and nucleoprotein interactions modulate viral RNA synthesis. Nature Communications, 2017, 8, 15576.	12.8	42
53	Filovirus Structural Biology: The Molecules in the Machine. Current Topics in Microbiology and Immunology, 2017, 411, 381-417.	1.1	21
54	Filovirus Strategies to Escape Antiviral Responses. Current Topics in Microbiology and Immunology, 2017, 411, 293-322.	1.1	25

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55	Structural basis for human respiratory syncytial virus NS1-mediated modulation of host responses. Nature Microbiology, 2017, 2, 17101.	13.3	29
56	Implementation of Objective PASC-Derived Taxon Demarcation Criteria for Official Classification of Filoviruses. Viruses, 2017, 9, 106.	3.3	22
57	Taxonomy of the order Mononegavirales: update 2016. Archives of Virology, 2016, 161, 2351-2360.	2.1	407
58	When your cap matters: structural insights into self vs non-self recognition of 5â€² RNA by immunomodulatory host proteins. Current Opinion in Structural Biology, 2016, 36, 133-141.	5.7	58
59	Dimerization Controls Marburg Virus VP24-dependent Modulation of Host Antioxidative Stress Responses. Journal of Molecular Biology, 2016, 428, 3483-3494.	4.2	26
60	Molecular Mechanisms of Innate Immune Inhibition by Non-Segmented Negative-Sense RNA Viruses. Journal of Molecular Biology, 2016, 428, 3467-3482.	4.2	24
61	Possibility and Challenges of Conversion of Current Virus Species Names to Linnaean Binomials. Systematic Biology, 2016, 66, syw096.	5.6	17
62	Differential Regulation of Interferon Responses by Ebola and Marburg Virus VP35 Proteins. Cell Reports, 2016, 14, 1632-1640.	6.4	75
63	An Intrinsically Disordered Peptide from Ebola Virus VP35 Controls Viral RNA Synthesis by Modulating Nucleoprotein-RNA Interactions. Cell Reports, 2015, 11, 376-389.	6.4	136
64	Human and Murine IFIT1 Proteins Do Not Restrict Infection of Negative-Sense RNA Viruses of the Orthomyxoviridae, Bunyaviridae, and Filoviridae Families. Journal of Virology, 2015, 89, 9465-9476.	3.4	38
65	Defining a Two-pronged Structural Model for PB1 (Phox/Bem1p) Domain Interaction in Plant Auxin Responses. Journal of Biological Chemistry, 2015, 290, 12868-12878.	3.4	31
66	Ebola Virus VP35 Interaction with Dynein LC8 Regulates Viral RNA Synthesis. Journal of Virology, 2015, 89, 5148-5153.	3.4	47
67	INNATE IMMUNE EVASION MECHANISMS OF FILOVIRUSES. , 2015, , 557-586.		0
68	Filovirus pathogenesis and immune evasion: insights from Ebola virus and Marburg virus. Nature Reviews Microbiology, 2015, 13, 663-676.	28.6	199
69	The Marburg Virus VP24 Protein Interacts with Keap1 to Activate the Cytoprotective Antioxidant Response Pathway. Cell Reports, 2014, 6, 1017-1025.	6.4	95
70	A Calcium-Fortified Viral Matrix Protein. Structure, 2014, 22, 5-7.	3.3	0
71	A Viral RNA Structural Element Alters Host Recognition of Nonself RNA. Science, 2014, 343, 783-787.	12.6	143
72	Ebola Virus VP24 Targets a Unique NLS Binding Site on Karyopherin Alpha 5 to Selectively Compete with Nuclear Import of Phosphorylated STAT1. Cell Host and Microbe, 2014, 16, 187-200.	11.0	198

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73	In Silico Derived Small Molecules Bind the Filovirus VP35 Protein and Inhibit Its Polymerase Cofactor Activity. Journal of Molecular Biology, 2014, 426, 2045-2058.	4.2	75
74	Mutual Antagonism between the Ebola Virus VP35 Protein and the RIG-I Activator PACT Determines Infection Outcome. Cell Host and Microbe, 2013, 14, 74-84.	11.0	154
75	Development of RNA Aptamers Targeting Ebola Virus VP35. Biochemistry, 2013, 52, 8406-8419.	2.5	73
76	An Upstream Open Reading Frame Modulates Ebola Virus Polymerase Translation and Virus Replication. PLoS Pathogens, 2013, 9, e1003147.	4.7	66
77	Structural basis for Marburg virus VP35â€“mediated immune evasion mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20661-20666.	7.1	90
78	Molecular mechanisms of viral inhibitors of RIG-I-like receptors. Trends in Microbiology, 2012, 20, 139-146.	7.7	39
79	Aptamers in Virology: Recent Advances and Challenges. Frontiers in Microbiology, 2012, 3, 29.	3.5	41
80	Structural insights into RNA recognition and activation of RIG-I-like receptors. Current Opinion in Structural Biology, 2012, 22, 297-303.	5.7	47
81	Filoviral Immune Evasion Mechanisms. Viruses, 2011, 3, 1634-1649.	3.3	71
82	DRBP76 Associates With Ebola Virus VP35 and Suppresses Viral Polymerase Function. Journal of Infectious Diseases, 2011, 204, S911-S918.	4.0	40
83	Crystallization and preliminary X-ray analysis of Ebola VP35 interferon inhibitory domain mutant proteins. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 689-692.	0.7	11
84	Structural basis for dsRNA recognition and interferon antagonism by Ebola VP35. Nature Structural and Molecular Biology, 2010, 17, 165-172.	8.2	177
85	Mutations Abrogating VP35 Interaction with Double-Stranded RNA Render Ebola Virus Avirulent in Guinea Pigs. Journal of Virology, 2010, 84, 3004-3015.	3.4	135
86	Basic Residues within the Ebolavirus VP35 Protein Are Required for Its Viral Polymerase Cofactor Function. Journal of Virology, 2010, 84, 10581-10591.	3.4	80
87	<i>Ebolavirus</i>VP35 is a multifunctional virulence factor. Virulence, 2010, 1, 526-531.	4.4	58
88	Structural and Functional Characterization of Reston Ebola Virus VP35 Interferon Inhibitory Domain. Journal of Molecular Biology, 2010, 399, 347-357.	4.2	61
89	Structural and Energetic Mechanisms of Cooperative Autoinhibition and Activation of Vav1. Cell, 2010, 140, 246-256.	28.9	135
90	Structure of the Ebola VP35 interferon inhibitory domain. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 411-416.	7.1	149

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91	Expression, purification, crystallization and preliminary X-ray studies of the Ebola VP35 interferon inhibitory domain. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 163-165.	0.7	13
92	Dynamic Origins of Interdomain Cooperativity in the Vav1 Proto-Oncoprotein. Biophysical Journal, 2009, 96, 3a.	0.5	0
93	Evasion of Interferon Responses by Ebola and Marburg Viruses. Journal of Interferon and Cytokine Research, 2009, 29, 511-520.	1.2	135
94	Internal dynamics control activation and activity of the autoinhibited Vav DH domain. Nature Structural and Molecular Biology, 2008, 15, 613-618.	8.2	95
95	Acidic Region Tyrosines Provide Access Points for Allosteric Activation of the Autoinhibited Vav1 Dbl Homology Domainâ€. Biochemistry, 2005, 44, 15257-15268.	2.5	32
96	Rapid purification of RNA secondary structures. Nucleic Acids Research, 2003, 31, 135e-135.	14.5	12
97	Stem-loop SL4 of the HIV-1 Î¨ RNA packaging signal exhibits weak affinity for the nucleocapsid protein. structural studies and implications for genome recognition. Journal of Molecular Biology, 2001, 314, 961-970.	4.2	79
98	NMR structure of stem-loop SL2 of the HIV-1 Î¨ RNA packaging signal reveals a novel A-U-A base-triple platform 1 1Edited by I. Tinoco. Journal of Molecular Biology, 2000, 299, 145-156.	4.2	95
99	NMR structure of the HIV-1 nucleocapsid protein bound to stem-loop SL2 of the Î¨-RNA packaging signal. implications for genome recognition 1 1Edited by P. Wright. Journal of Molecular Biology, 2000, 301, 491-511.	4.2	322