

Andreas Pichlmair

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

6,879
citations

201575

27
h-index

182361

51
g-index

63
all docs

63
docs citations

63
times ranked

10185
citing authors

#	ARTICLE	IF	CITATIONS
1	RIG-I-Mediated Antiviral Responses to Single-Stranded RNA Bearing 5'-Phosphates. <i>Science</i> , 2006, 314, 997-1001.	6.0	1,965
2	Innate Recognition of Viruses. <i>Immunity</i> , 2007, 27, 370-383.	6.6	614
3	Multilevel proteomics reveals host perturbations by SARS-CoV-2 and SARS-CoV. <i>Nature</i> , 2021, 594, 246-252.	13.7	475
4	IFIT1 is an antiviral protein that recognizes 5'-triphosphate RNA. <i>Nature Immunology</i> , 2011, 12, 624-630.	7.0	422
5	Activation of MDA5 Requires Higher-Order RNA Structures Generated during Virus Infection. <i>Journal of Virology</i> , 2009, 83, 10761-10769.	1.5	377
6	Viral immune modulators perturb the human molecular network by common and unique strategies. <i>Nature</i> , 2012, 487, 486-490.	13.7	249
7	Oxeiptosis, a ROS-induced caspase-independent apoptosis-like cell-death pathway. <i>Nature Immunology</i> , 2018, 19, 130-140.	7.0	239
8	Structural basis for viral 5'-PPP-RNA recognition by human IFIT proteins. <i>Nature</i> , 2013, 494, 60-64.	13.7	193
9	Human NLRP1 is a sensor for double-stranded RNA. <i>Science</i> , 2021, 371, .	6.0	191
10	CD14 is a coreceptor of Toll-like receptors 7 and 9. <i>Journal of Experimental Medicine</i> , 2010, 207, 2689-2701.	4.2	181
11	Sequestration by IFIT1 Impairs Translation of 2'-O-unmethylated Capped RNA. <i>PLoS Pathogens</i> , 2013, 9, e1003663.	2.1	175
12	An orthogonal proteomic survey uncovers novel Zika virus host factors. <i>Nature</i> , 2018, 561, 253-257.	13.7	156
13	Exploring the SARS-CoV-2 virus-host-drug interactome for drug repurposing. <i>Nature Communications</i> , 2020, 11, 3518.	5.8	144
14	A protein-interaction network of interferon-stimulated genes extends the innate immune system landscape. <i>Nature Immunology</i> , 2019, 20, 493-502.	7.0	139
15	mRNA export through an additional cap-binding complex consisting of NCBP1 and NCBP3. <i>Nature Communications</i> , 2015, 6, 8192.	5.8	89
16	Structure of human IFIT1 with capped RNA reveals adaptable mRNA binding and mechanisms for sensing N1 and N2 ribose 2'-O methylations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2106-E2115.	3.3	86
17	Two cGAS-like receptors induce antiviral immunity in <i>Drosophila</i> . <i>Nature</i> , 2021, 597, 114-118.	13.7	84
18	Data, Reagents, Assays and Merits of Proteomics for SARS-CoV-2 Research and Testing. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1503-1522.	2.5	78

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19	A novel interaction between dengue virus nonstructural protein 1 and the NS4A-2K-4B precursor is required for viral RNA replication but not for formation of the membranous replication organelle. <i>PLoS Pathogens</i> , 2019, 15, e1007736.	2.1	70
20	Virulence Factor NSs of Rift Valley Fever Virus Recruits the F-Box Protein FBXO3 To Degrade Subunit p62 of General Transcription Factor TFIIH. <i>Journal of Virology</i> , 2014, 88, 3464-3473.	1.5	65
21	ER-shaping atlastin proteins act as central hubs to promote flavivirus replication and virion assembly. <i>Nature Microbiology</i> , 2019, 4, 2416-2429.	5.9	59
22	ADAM10 and ADAM17 promote SARS-CoV-2 cell entry and spike protein-mediated lung cell fusion. <i>EMBO Reports</i> , 2022, 23, e54305.	2.0	57
23	Disruption of disulfides within RBD of SARS-CoV-2 spike protein prevents fusion and represents a target for viral entry inhibition by registered drugs. <i>FASEB Journal</i> , 2021, 35, e21651.	0.2	44
24	Oxeiptosis: a discreet way to respond to radicals. <i>Current Opinion in Immunology</i> , 2019, 56, 37-43.	2.4	42
25	Phosphorylation-Dependent Feedback Inhibition of RIG-I by DAPK1 Identified by Kinome-wide siRNA Screening. <i>Molecular Cell</i> , 2017, 65, 403-415.e8.	4.5	40
26	Interferon-induced degradation of the persistent hepatitis B virus cccDNA form depends on ISG20. <i>EMBO Reports</i> , 2021, 22, e49568.	2.0	38
27	Cytoplasmic sensing of viral nucleic acids. <i>Current Opinion in Virology</i> , 2015, 11, 31-37.	2.6	36
28	Targeting genomic SARS-CoV-2 RNA with siRNAs allows efficient inhibition of viral replication and spread. <i>Nucleic Acids Research</i> , 2022, 50, 333-349.	6.5	34
29	The Zinc Finger Antiviral Protein ZAP Restricts Human Cytomegalovirus and Selectively Binds and Destabilizes Viral <i>UL4</i> / <i>UL5</i> Transcripts. <i>MBio</i> , 2021, 12, .	1.8	33
30	Discrimination of Self and Non-Self Ribonucleic Acids. <i>Journal of Interferon and Cytokine Research</i> , 2017, 37, 184-197.	0.5	31
31	Chasing Intracellular Zika Virus Using Proteomics. <i>Viruses</i> , 2019, 11, 878.	1.5	26
32	Thogoto Virus Lacking Interferon-Antagonistic Protein ML Is Strongly Attenuated in Newborn Mx1-Positive but Not Mx1-Negative Mice. <i>Journal of Virology</i> , 2004, 78, 11422-11424.	1.5	23
33	Single-cell RNA sequencing reveals ex vivo signatures of SARS-CoV-2-reactive T cells through reverse phenotyping™. <i>Nature Communications</i> , 2021, 12, 4515.	5.8	23
34	Oxeiptosis is a cell death pathway to mitigate damage caused by radicals. <i>Cell Death and Differentiation</i> , 2018, 25, 1191-1193.	5.0	22
35	Genotoxic stress in constitutive trisomies induces autophagy and the innate immune response via the cGAS-STING pathway. <i>Communications Biology</i> , 2021, 4, 831.	2.0	22
36	Cross-species analysis of viral nucleic acid interacting proteins identifies TAOs as innate immune regulators. <i>Nature Communications</i> , 2021, 12, 7009.	5.8	22

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37	The alternative cap-binding complex is required for antiviral defense in vivo. PLoS Pathogens, 2019, 15, e1008155.	2.1	19
38	Recruitment of highly cytotoxic CD8+ T cell receptors in mild SARS-CoV-2 infection. Cell Reports, 2022, 38, 110214.	2.9	19
39	Bitter taste signaling in tracheal epithelial brush cells elicits innate immune responses to bacterial infection. Journal of Clinical Investigation, 2022, 132, .	3.9	19
40	The Cytomegalovirus Tegument Protein UL35 Antagonizes Pattern Recognition Receptor-Mediated Type I IFN Transcription. Microorganisms, 2020, 8, 790.	1.6	18
41	A Nanoscaffolded Spike-RBD Vaccine Provides Protection against SARS-CoV-2 with Minimal Anti-Scaffold Response. Vaccines, 2021, 9, 431.	2.1	18
42	Nuclear-localized human respiratory syncytial virus NS1 protein modulates host gene transcription. Cell Reports, 2021, 37, 109803.	2.9	18
43	Attenuation of SARS-CoV-2 replication and associated inflammation by concomitant targeting of viral and host cap 2' O-ribose methyltransferases. EMBO Journal, 2022, 41, .	3.5	18
44	The interferon-inducible GTPase MxB promotes capsid disassembly and genome release of herpesviruses. ELife, 2022, 11, .	2.8	16
45	Viral targeting of TFIIIB impairs de novo polymerase II recruitment and affects antiviral immunity. PLoS Pathogens, 2018, 14, e1006980.	2.1	13
46	Human cytomegalovirus-induced host protein citrullination is crucial for viral replication. Nature Communications, 2021, 12, 3910.	5.8	13
47	NUDT2 initiates viral RNA degradation by removal of 5'-phosphates. Nature Communications, 2021, 12, 6918.	5.8	13
48	Reduced mitochondrial resilience enables non-canonical induction of apoptosis after TNF receptor signaling in virus-infected hepatocytes. Journal of Hepatology, 2020, 73, 1347-1359.	1.8	11
49	Persistent Innate Immune Stimulation Results in IRF3-Mediated but Caspase-Independent Cytostasis. Viruses, 2020, 12, 635.	1.5	9
50	Chemoenzymatic Total Synthesis of Sorbicatichol Structural Analogues and Evaluation of Their Antiviral Potential. ChemBioChem, 2020, 21, 492-495.	1.3	8
51	System-Based Approaches to Delineate the Antiviral Innate Immune Landscape. Viruses, 2020, 12, 1196.	1.5	5
52	ER-Shaping Atlastin Proteins Act as Central Hubs to Promote Flavivirus Replication and Virion Assembly. Proceedings (mdpi), 2020, 50, .	0.2	0
53	The alternative cap-binding complex is required for antiviral defense in vivo. , 2019, 15, e1008155.		0
54	The alternative cap-binding complex is required for antiviral defense in vivo. , 2019, 15, e1008155.		0

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55	The alternative cap-binding complex is required for antiviral defense in vivo. , 2019, 15, e1008155.		0