Andreas Pichlmair

List of Publications by Year
in descending order

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55 papers	6,879 citations	201385 27 h-index	182168 51 g-index
63 all docs	63 docs citations	63 times ranked	10185 citing authors

#	Article	IF	Citations
1	Recruitment of highly cytotoxic CD8+ TÂcell receptors in mild SARS-CoV-2 infection. Cell Reports, 2022, 38, 110214.	2.9	19
2	Targeting genomic SARS-CoV-2 RNA with siRNAs allows efficient inhibition of viral replication and spread. Nucleic Acids Research, 2022, 50, 333-349.	6.5	34
3	The interferon-inducible GTPase MxB promotes capsid disassembly and genome release of herpesviruses. ELife, 2022, 11, .	2.8	16
4	Bitter taste signaling in tracheal epithelial brush cells elicits innate immune responses to bacterial infection. Journal of Clinical Investigation, 2022, 132, .	3.9	19
5	ADAM10 and ADAM17 promote SARSâ€CoVâ€2 cell entry and spike proteinâ€mediated lung cell fusion. EMBO Reports, 2022, 23, e54305.	2.0	57
6	Attenuation of <scp>SARSâ€CoV</scp>â€2 replication and associated inflammation by concomitant targeting of viral and host cap 2'â€Oâ€ribose methyltransferases. EMBO Journal, 2022, 41, .	3.5	18
7	Human NLRP1 is a sensor for double-stranded RNA. Science, 2021, 371, .	6.0	191
8	A Nanoscaffolded Spike-RBD Vaccine Provides Protection against SARS-CoV-2 with Minimal Anti-Scaffold Response. Vaccines, 2021, 9, 431.	2.1	18
9	Multilevel proteomics reveals host perturbations by SARS-CoV-2 and SARS-CoV. Nature, 2021, 594, 246-252.	13.7	475
10	Interferonâ€induced degradation of the persistent hepatitis B virus cccDNA form depends on ISG20. EMBO Reports, 2021, 22, e49568.	2.0	38
11	The Zinc Finger Antiviral Protein ZAP Restricts Human Cytomegalovirus and Selectively Binds and Destabilizes Viral UL4 / UL5 Transcripts. MBio, 2021, 12, .	1.8	33
12	Disruption of disulfides within RBD of SARSâ€CoVâ€2 spike protein prevents fusion and represents a target for viral entry inhibition by registered drugs. FASEB Journal, 2021, 35, e21651.	0.2	44
13	Human cytomegalovirus-induced host protein citrullination is crucial for viral replication. Nature Communications, 2021, 12, 3910.	5.8	13
14	Single-cell RNA sequencing reveals ex vivo signatures of SARS-CoV-2-reactive T cells through â€˜reverse phenotypingâ€™. Nature Communications, 2021, 12, 4515.	5.8	23
15	Genotoxic stress in constitutive trisomies induces autophagy and the innate immune response via the cGAS-STING pathway. Communications Biology, 2021, 4, 831.	2.0	22
16	Two cGAS-like receptors induce antiviral immunity in Drosophila. Nature, 2021, 597, 114-118.	13.7	84
17	Nuclear-localized human respiratory syncytial virus NS1 protein modulates host gene transcription. Cell Reports, 2021, 37, 109803.	2.9	18
18	NUDT2 initiates viral RNA degradation by removal of 5â€²-phosphates. Nature Communications, 2021, 12, 6918.	5.8	13

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19	Cross-species analysis of viral nucleic acid interacting proteins identifies TAOKs as innate immune regulators. Nature Communications, 2021, 12, 7009.	5.8	22
20	Chemoenzymatic Total Synthesis of Sorbicatechol Structural Analogues and Evaluation of Their Antiviral Potential. ChemBioChem, 2020, 21, 492-495.	1.3	8
21	System-Based Approaches to Delineate the Antiviral Innate Immune Landscape. Viruses, 2020, 12, 1196.	1.5	5
22	Exploring the SARS-CoV-2 virus-host-drug interactome for drug repurposing. Nature Communications, 2020, 11, 3518.	5.8	144
23	The Cytomegalovirus Tegument Protein UL35 Antagonizes Pattern Recognition Receptor-Mediated Type I IFN Transcription. Microorganisms, 2020, 8, 790.	1.6	18
24	Persistent Innate Immune Stimulation Results in IRF3-Mediated but Caspase-Independent Cytostasis. Viruses, 2020, 12, 635.	1.5	9
25	ER-Shaping Atlastin Proteins Act as Central Hubs to Promote Flavivirus Replication and Virion Assembly. Proceedings (mdpi), 2020, 50, .	0.2	0
26	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
27	Data, Reagents, Assays and Merits of Proteomics for SARS-CoV-2 Research and Testing. Molecular and Cellular Proteomics, 2020, 19, 1503-1522.	2.5	78
28	ER-shaping atlastin proteins act as central hubs to promote flavivirus replication and virion assembly. Nature Microbiology, 2019, 4, 2416-2429.	5.9	59
29	Chasing Intracellular Zika Virus Using Proteomics. Viruses, 2019, 11, 878.	1.5	26
30	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. PLoS Pathogens, 2019, 15, e1007736.	2.1	70
31	A protein-interaction network of interferon-stimulated genes extends the innate immune system landscape. Nature Immunology, 2019, 20, 493-502.	7.0	139
32	The alternative cap-binding complex is required for antiviral defense in vivo. PLoS Pathogens, 2019, 15, e1008155.	2.1	19
33	Oxeiptosis: a discreet way to respond to radicals. Current Opinion in Immunology, 2019, 56, 37-43.	2.4	42
34	The alternative cap-binding complex is required for antiviral defense in vivo. , 2019, 15, e1008155.		0
35	The alternative cap-binding complex is required for antiviral defense in vivo. , 2019, 15, e1008155.		0
36	The alternative cap-binding complex is required for antiviral defense in vivo. , 2019, 15, e1008155.		0

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37	Oxeiptosis, a ROS-induced caspase-independent apoptosis-like cell-death pathway. Nature Immunology, 2018, 19, 130-140.	7.0	239
38	Viral targeting of TFIIB impairs de novo polymerase II recruitment and affects antiviral immunity. PLoS Pathogens, 2018, 14, e1006980.	2.1	13
39	An orthogonal proteomic survey uncovers novel Zika virus host factors. Nature, 2018, 561, 253-257.	13.7	156
40	Oxeiptosisâ€"a cell death pathway to mitigate damage caused by radicals. Cell Death and Differentiation, 2018, 25, 1191-1193.	5.0	22
41	Phosphorylation-Dependent Feedback Inhibition of RIG-I by DAPK1 Identified by Kinome-wide siRNA Screening. Molecular Cell, 2017, 65, 403-415.e8.	4.5	40
42	Structure of human IFIT1 with capped RNA reveals adaptable mRNA binding and mechanisms for sensing N1 and N2 ribose 2â€²-O methylations. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2106-E2115.	3.3	86
43	Discrimination of Self and Non-Self Ribonucleic Acids. Journal of Interferon and Cytokine Research, 2017, 37, 184-197.	0.5	31
44	Cytoplasmic sensing of viral nucleic acids. Current Opinion in Virology, 2015, 11, 31-37.	2.6	36
45	mRNA export through an additional cap-binding complex consisting of NCBP1 and NCBP3. Nature Communications, 2015, 6, 8192.	5.8	89
46	Virulence Factor NSs of Rift Valley Fever Virus Recruits the F-Box Protein FBXO3 To Degrade Subunit p62 of General Transcription Factor TFIIH. Journal of Virology, 2014, 88, 3464-3473.	1.5	65
47	Structural basis for viral 5â€²-PPP-RNA recognition by human IFIT proteins. Nature, 2013, 494, 60-64.	13.7	193
48	Sequestration by IFIT1 Impairs Translation of 2â€²O-unmethylated Capped RNA. PLoS Pathogens, 2013, 9, e1003663.	2.1	175
49	Viral immune modulators perturb the human molecular network by common and unique strategies. Nature, 2012, 487, 486-490.	13.7	249
50	IFIT1 is an antiviral protein that recognizes 5â€²-triphosphate RNA. Nature Immunology, 2011, 12, 624-630.	7.0	422
51	CD14 is a coreceptor of Toll-like receptors 7 and 9. Journal of Experimental Medicine, 2010, 207, 2689-2701.	4.2	181
52	Activation of MDA5 Requires Higher-Order RNA Structures Generated during Virus Infection. Journal of Virology, 2009, 83, 10761-10769.	1.5	377
53	Innate Recognition of Viruses. Immunity, 2007, 27, 370-383.	6.6	614
54	RIG-I-Mediated Antiviral Responses to Single-Stranded RNA Bearing 5'-Phosphates. Science, 2006, 314, 997-1001.	6.0	1,965

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55	Thogoto Virus Lacking Interferon-Antagonistic Protein ML Is Strongly Attenuated in Newborn Mx1 -Positive but Not Mx1 -Negative Mice. Journal of Virology, 2004, 78, 11422-11424.	1.5	23