Marco Binder

List of Publications by Year
in descending order

55 papers	5,033 citations	172207 29 h-index	214527 47 g-index
91 all docs	91 docs citations	91 times ranked	7646 citing authors

#	Article	IF	Citations
1	Cardif is an adaptor protein in the RIG-I antiviral pathway and is targeted by hepatitis C virus. Nature, 2005, 437, 1167-1172.	13.7	2,136
2	Viral immune modulators perturb the human molecular network by common and unique strategies. Nature, 2012, 487, 486-490.	13.7	249
3	Pre-activated antiviral innate immunity in the upper airways controls early SARS-CoV-2 infection in children. Nature Biotechnology, 2022, 40, 319-324.	9.4	229
4	Ubiquitin-Dependent and -Independent Roles of E3 Ligase RIPLET in Innate Immunity. Cell, 2019, 177, 1187-1200.e16.	13.5	141
5	Identification of type I and type II interferon-induced effectors controlling hepatitis C virus replication. Hepatology, 2012, 56, 2082-2093.	3.6	138
6	SARS-CoV-2 infection induces a pro-inflammatory cytokine response through cGAS-STING and NF-Î°B. Communications Biology, 2022, 5, 45.	2.0	133
7	Hypertension delays viral clearance and exacerbates airway hyperinflammation in patients with COVID-19. Nature Biotechnology, 2021, 39, 705-716.	9.4	129
8	HBV Bypasses the Innate Immune Response and Does Not Protect HCV From Antiviral Activity of Interferon. Gastroenterology, 2018, 154, 1791-1804.e22.	0.6	128
9	Activation of Type I and III Interferon Response by Mitochondrial and Peroxisomal MAVS and Inhibition by Hepatitis C Virus. PLoS Pathogens, 2015, 11, e1005264.	2.1	125
10	Role of Annexin A2 in the Production of Infectious Hepatitis C Virus Particles. Journal of Virology, 2010, 84, 5775-5789.	1.5	114
11	Molecular Mechanism of Signal Perception and Integration by the Innate Immune Sensor Retinoic Acid-inducible Gene-I (RIG-I). Journal of Biological Chemistry, 2011, 286, 27278-27287.	1.6	112
12	Failure of innate and adaptive immune responses in controlling hepatitis C virus infection. FEMS Microbiology Reviews, 2012, 36, 663-683.	3.9	103
13	Hepatitis C virus escape from the interferon regulatory factor 3 pathway by a passive and active evasion strategy. Hepatology, 2007, 46, 1365-1374.	3.6	100
14	Identification of Determinants Involved in Initiation of Hepatitis C Virus RNA Synthesis by Using Intergenotypic Replicase Chimeras. Journal of Virology, 2007, 81, 5270-5283.	1.5	92
15	Replication Vesicles are Load- and Choke-Points in the Hepatitis C Virus Lifecycle. PLoS Pathogens, 2013, 9, e1003561.	2.1	77
16	RIPLET, and not TRIM25, is required for endogenous RIGâ€Iâ€dependent antiviral responses. Immunology and Cell Biology, 2019, 97, 840-852.	1.0	70
17	Bacterial RNA is recognized by different sets of immunoreceptors. European Journal of Immunology, 2009, 39, 2537-2547.	1.6	68
18	Phosphorylation of TRIM28 Enhances the Expression of IFN-Î² and Proinflammatory Cytokines During HPAIV Infection of Human Lung Epithelial Cells. Frontiers in Immunology, 2018, 9, 2229.	2.2	64

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19	Secretion of Hepatitis C Virus Replication Intermediates Reduces Activation of Toll-Like Receptor 3 in Hepatocytes. Gastroenterology, 2018, 154, 2237-2251.e16.	0.6	63
20	Robust RNAi enhancement via human Argonaute-2 overexpression from plasmids, viral vectors and cell lines. Nucleic Acids Research, 2013, 41, e199-e199.	6.5	53
21	DDX60L Is an Interferon-Stimulated Gene Product Restricting Hepatitis C Virus Replication in Cell Culture. Journal of Virology, 2015, 89, 10548-10568.	1.5	50
22	Human leukocyte antigen B27 selects for rare escape mutations that significantly impair hepatitis C virus replication and require compensatory mutations. Hepatology, 2011, 54, 1157-1166.	3.6	47
23	Control of temporal activation of hepatitis C virus-induced interferon response by domain 2 of nonstructural protein 5A. Journal of Hepatology, 2015, 63, 829-837.	1.8	47
24	Hepatitis C virus targets the interferonâ€Î± JAK/STAT pathway by promoting proteasomal degradation in immune cells and hepatocytes. FEBS Letters, 2013, 587, 1571-1578.	1.3	45
25	Analysis of hepatitis C virus resistance to silibinin <i>in vitro</i> and <i>in vivo</i> points to a novel mechanism involving nonstructural protein 4B. Hepatology, 2013, 57, 953-963.	3.6	44
26	Disentangling molecular mechanisms regulating sensitization of interferon alpha signal transduction. Molecular Systems Biology, 2020, 16, e8955.	3.2	41
27	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
28	Antiviral activity of bone morphogenetic proteins and activins. Nature Microbiology, 2019, 4, 339-351.	5.9	39
29	RNA helicase retinoic acid-inducible gene I as a sensor of Hantaan virus replication. Journal of General Virology, 2011, 92, 2191-2200.	1.3	38
30	Reovirus intermediate subviral particles constitute a strategy to infect intestinal epithelial cells by exploiting TGF-Î² dependent pro-survival signaling. Cellular Microbiology, 2016, 18, 1831-1845.	1.1	36
31	Sensing of HIV-1 Infection in Tzm-bl Cells with Reconstituted Expression of STING. Journal of Virology, 2016, 90, 2064-2076.	1.5	29
32	A Coupled Mathematical Model of the Intracellular Replication of Dengue Virus and the Host Cell Immune Response to Infection. Frontiers in Microbiology, 2020, 11, 725.	1.5	28
33	Normalizing for individual cell population context in the analysis of high-content cellular screens. BMC Bioinformatics, 2011, 12, 485.	1.2	22
34	TLR3 Activation by Zika Virus Stimulates Inflammatory Cytokine Production Which Dampens the Antiviral Response Induced by RIG-I-Like Receptors. Journal of Virology, 2021, 95, .	1.5	19
35	A Coding IRAK2 Protein Variant Compromises Toll-like receptor (TLR) Signaling and Is Associated with Colorectal Cancer Survival. Journal of Biological Chemistry, 2014, 289, 23123-23131.	1.6	18
36	A dual role for hepatocyte-intrinsic canonical NF-ÎºB signalingÂinÂvirus control. Journal of Hepatology, 2020, 72, 960-975.	1.8	18

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37	Comparative Analysis of Six IRF Family Members in Alveolar Epithelial Cell-Intrinsic Antiviral Responses. Cells, 2021, 10, 2600.	1.8	15
38	NUDT2 initiates viral RNA degradation by removal of 5â€²-phosphates. Nature Communications, 2021, 12, 6918.	5.8	13
39	Host factor prioritization for pan-viral genetic perturbation screens using random intercept models and network propagation. PLoS Computational Biology, 2020, 16, e1007587.	1.5	11
40	MultiEditR: The first tool for the detection and quantification of RNA editing from Sanger sequencing demonstrates comparable fidelity to RNA-seq. Molecular Therapy - Nucleic Acids, 2021, 25, 515-523.	2.3	11
41	Type I and type II interferon responses in two human liver cell lines (Huh-7 and HuH6). Genomics Data, 2016, 7, 166-170.	1.3	9
42	Persistent Innate Immune Stimulation Results in IRF3-Mediated but Caspase-Independent Cytostasis. Viruses, 2020, 12, 635.	1.5	9
43	Cooperative effects of RIG-I-like receptor signaling and IRF1 on DNA damage-induced cell death. Cell Death and Disease, 2022, 13, 364.	2.7	7
44	The Interferon Response Dampens the Usutu Virus Infection-Associated Increase in Glycolysis. Frontiers in Cellular and Infection Microbiology, 2022, 12, 823181.	1.8	6
45	Gene Expression Profiling of Different Huh7 Variants Reveals Novel Hepatitis C Virus Host Factors. Viruses, 2020, 12, 36.	1.5	5
46	Identification of Interleukin1Î² as an Amplifier of Interferon alpha-induced Antiviral Responses. PLoS Pathogens, 2020, 16, e1008461.	2.1	5
47	Mechanistic modeling explains the dsRNA length-dependent activation of the RIG-I mediated immune response. Journal of Theoretical Biology, 2020, 500, 110336.	0.8	5
48	785 INNATE SIGNALING BY HEPATITIS C VIRUS IS RIG-I AND MDA5 DEPENDENT AND MODULATED BY NS5A DOMAIN II. Journal of Hepatology, 2012, 56, S308.	1.8	0
49	Hepatitis C: A mouse at the end of the tunnel. Cell Research, 2013, 23, 1343-1344.	5.7	0
50	Tackling the HCV Life Cycle with Mathematical Modeling â€“ Decoding the Enigma. , 2019, 57, .		0
51	Activation of the interferon response by HCV is mediated by MDA5 and potentiated by LGP2. , 2019, 57, .		0
52	Title is missing!. , 2020, 16, e1007587.		0
53	Title is missing!. , 2020, 16, e1007587.		0
54	Title is missing!. , 2020, 16, e1007587.		0

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55	Title is missing!. , 2020, 16, e1007587.		0