

Jianfeng Dai

List of Publications by Year in descending order

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63
papers

2,406
citations

236925

25
h-index

214800

47
g-index

63
all docs

63
docs citations

63
times ranked

3444
citing authors

#	ARTICLE	IF	CITATIONS
1	A Paradoxical Role for Neutrophils in the Pathogenesis of West Nile Virus. <i>Journal of Infectious Diseases</i> , 2010, 202, 1804-1812.	4.0	156
2	Matrix Metalloproteinase 9 Facilitates West Nile Virus Entry into the Brain. <i>Journal of Virology</i> , 2008, 82, 8978-8985.	3.4	151
3	A C-Type Lectin Collaborates with a CD45 Phosphatase Homolog to Facilitate West Nile Virus Infection of Mosquitoes. <i>Cell</i> , 2010, 142, 714-725.	28.9	151
4	A Tick Mannose-Binding Lectin Inhibitor Interferes with the Vertebrate Complement Cascade to Enhance Transmission of the Lyme Disease Agent. <i>Cell Host and Microbe</i> , 2011, 10, 136-146.	11.0	140
5	Antibodies against a Tick Protein, Salp15, Protect Mice from the Lyme Disease Agent. <i>Cell Host and Microbe</i> , 2009, 6, 482-492.	11.0	139
6	Tick Histamine Release Factor Is Critical for <i>Ixodes scapularis</i> Engorgement and Transmission of the Lyme Disease Agent. <i>PLoS Pathogens</i> , 2010, 6, e1001205.	4.7	106
7	A DNA Aptamer Based Method for Detection of SARS-CoV-2 Nucleocapsid Protein. <i>Virologica Sinica</i> , 2020, 35, 351-354.	3.0	100
8	ISG15 facilitates cellular antiviral response to dengue and west nile virus infection in vitro. <i>Virology Journal</i> , 2011, 8, 468.	3.4	89
9	Integrative Analysis of Zika Virus Genome RNA Structure Reveals Critical Determinants of Viral Infectivity. <i>Cell Host and Microbe</i> , 2018, 24, 875-886.e5.	11.0	89
10	Caspase-12 controls West Nile virus infection via the viral RNA receptor RIG-I. <i>Nature Immunology</i> , 2010, 11, 912-919.	14.5	85
11	ICAM-1 Participates in the Entry of West Nile Virus into the Central Nervous System. <i>Journal of Virology</i> , 2008, 82, 4164-4168.	3.4	70
12	<i>Ixodes scapularis</i> JAK-STAT Pathway Regulates Tick Antimicrobial Peptides, Thereby Controlling the Agent of Human Granulocytic Anaplasmosis. <i>Journal of Infectious Diseases</i> , 2012, 206, 1233-1241.	4.0	65
13	IL-22 Signaling Contributes to West Nile Encephalitis Pathogenesis. <i>PLoS ONE</i> , 2012, 7, e44153.	2.5	65
14	Interferon-stimulated TRIM69 interrupts dengue virus replication by ubiquitinating viral nonstructural protein 3. <i>PLoS Pathogens</i> , 2018, 14, e1007287.	4.7	63
15	DEAD-box RNA helicase DDX3X inhibits DENV replication via regulating type one interferon pathway. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 327-332.	2.1	60
16	<i>Ixodes scapularis</i> salivary gland protein P11 facilitates migration of <i>Anaplasma phagocytophilum</i> from the tick gut to salivary glands. <i>EMBO Reports</i> , 2011, 12, 1196-1203.	4.5	56
17	Guanylate-binding protein 1 participates in cellular antiviral response to dengue virus. <i>Virology Journal</i> , 2012, 9, 292.	3.4	56
18	Molecular Interactions that Enable Movement of the Lyme Disease Agent from the Tick Gut into the Hemolymph. <i>PLoS Pathogens</i> , 2011, 7, e1002079.	4.7	54

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19	A Differential Role for BB0365 in the Persistence of <i>Borrelia burgdorferi</i> in Mice and Ticks. <i>Journal of Infectious Diseases</i> , 2008, 197, 148-155.	4.0	52
20	Interleukin-17A Promotes CD8 ⁺ T Cell Cytotoxicity To Facilitate West Nile Virus Clearance. <i>Journal of Virology</i> , 2017, 91, .	3.4	46
21	FAF1 Regulates Antiviral Immunity by Inhibiting MAVS but Is Antagonized by Phosphorylation upon Viral Infection. <i>Cell Host and Microbe</i> , 2018, 24, 776-790.e5.	11.0	38
22	Deubiquitinase USP2a Sustains Interferon Antiviral Activity by Restricting Ubiquitination of Activated STAT1 in the Nucleus. <i>PLoS Pathogens</i> , 2016, 12, e1005764.	4.7	37
23	An Immunosuppressive Tick Salivary Gland Protein DsCystatin Interferes With Toll-Like Receptor Signaling by Downregulating TRAF6. <i>Frontiers in Immunology</i> , 2018, 9, 1245.	4.8	30
24	Glycosylation of viral proteins: Implication in virus-host interaction and virulence. <i>Virulence</i> , 2022, 13, 670-683.	4.4	30
25	Tissue Localization and Variation of Major Symbionts in <i>Haemaphysalis longicornis</i> , <i>Rhipicephalus haemaphysaloides</i> , and <i>Dermacentor silvarum</i> in China. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	28
26	Matrix Metalloproteinase 3 Promotes Cellular Anti-Dengue Virus Response via Interaction with Transcription Factor NF- κ B in Cell Nucleus. <i>PLoS ONE</i> , 2014, 9, e84748.	2.5	28
27	Identification of a novel human angiopoietin-like gene expressed mainly in heart. <i>Journal of Human Genetics</i> , 2003, 48, 0159-0162.	2.3	26
28	A novel splice variant of the cell adhesion molecule contactin 4 (CNTN4) is mainly expressed in human brain. <i>Journal of Human Genetics</i> , 2002, 47, 497-499.	2.3	25
29	Ubiquitin-conjugating enzyme UBE2J1 negatively modulates interferon pathway and promotes RNA virus infection. <i>Virology Journal</i> , 2018, 15, 132.	3.4	25
30	Molecular cloning and characterization of a novel human hydroxysteroid dehydrogenase-like 2 (HSDL2) cDNA from fetal brain. <i>Biochemical Genetics</i> , 2003, 41, 165-174.	1.7	24
31	<i>Staphylococcus epidermidis</i> small basic protein (Sbp) forms amyloid fibrils, consistent with its function as a scaffolding protein in biofilms. <i>Journal of Biological Chemistry</i> , 2018, 293, 14296-14311.	3.4	23
32	Isolation and characterization of a human putative receptor protein kinase cDNA STYK1. <i>Molecular Biology Reports</i> , 2003, 30, 91-96.	2.3	21
33	Dual Specificity Phosphatase 18, Interacting with SAPK, Dephosphorylates SAPK and Inhibits SAPK/JNK Signal Pathway in vivo. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 2714.	3.0	20
34	Molecular characterization of a defensin gene from a hard tick, <i>Dermacentor silvarum</i> . <i>Parasites and Vectors</i> , 2015, 8, 25.	2.5	20
35	The immunosuppressive functions of two novel tick serpins, H1Serpin α and H1Serpin β , from <i>Haemaphysalis longicornis</i> . <i>Immunology</i> , 2020, 159, 109-120.	4.4	19
36	Molecular cloning and characterization of a novel adenylate kinase 3 gene from <i>Clonorchis sinensis</i> . <i>Parasitology Research</i> , 2005, 95, 406-412.	1.6	18

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37	Glycosphingolipid GM3 is Indispensable for Dengue Virus Genome Replication. <i>International Journal of Biological Sciences</i> , 2016, 12, 872-883.	6.4	16
38	Targeting matrix metalloproteinase MMP3 greatly enhances oncolytic virus mediated tumor therapy. <i>Translational Oncology</i> , 2021, 14, 101221.	3.7	16
39	Identification of a novel human DDX40 gene, a new member of the DEAH-box protein family. <i>Journal of Human Genetics</i> , 2002, 47, 0681-0683.	2.3	15
40	RNA-binding protein RBM47 stabilizes IFNAR1 mRNA to potentiate host antiviral activity. <i>EMBO Reports</i> , 2021, 22, e52205.	4.5	14
41	DEAD-Box Helicase DDX25 Is a Negative Regulator of Type I Interferon Pathway and Facilitates RNA Virus Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 356.	3.9	13
42	Virulence difference of five type I dengue viruses and the intrinsic molecular mechanism. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007202.	3.0	13
43	Molecular cloning and characterization of cDNA encoding a ubiquitin-conjugating enzyme from <i>Clonorchis sinensis</i> . <i>Parasitology Research</i> , 2004, 94, 227-232.	1.6	12
44	Molecular cloning and characterization of a novel Dual-specificity Phosphatase18 gene from human fetal brain. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2003, 1625, 296-304.	2.4	11
45	Cloning and characterization of a novel human phosphatidic acid phosphatase type 2, PAP2d, with two different transcripts PAP2d_v1 and PAP2d_v2. <i>Molecular and Cellular Biochemistry</i> , 2005, 272, 91-96.	3.1	10
46	Defensins as a promising class of tick antimicrobial peptides: a scoping review. <i>Infectious Diseases of Poverty</i> , 2022, 11, .	3.7	10
47	Cloning and characterization of a novel human STAR domain containing cDNA KHDRBS2. <i>Molecular Biology Reports</i> , 2002, 29, 369-375.	2.3	9
48	Cloning and characterization of a novel human homolog* of mouse U26, a putative PQQ-dependent AAS dehydrogenase. <i>Molecular Biology Reports</i> , 2005, 32, 47-53.	2.3	9
49	Functional characterization of two defensins, HIDFS1 and HIDFS2, from the hard tick <i>Haemaphysalis longicornis</i> . <i>Parasites and Vectors</i> , 2017, 10, 455.	2.5	9
50	Cloning and expression of a novel human C5orf12 gene*, a member of the TMS_TDE family. <i>Molecular Biology Reports</i> , 2003, 30, 47-52.	2.3	7
51	Effects of Different Doses of Nucleocapsid Protein from Hantaan Virus A9 Strain on Regulation of Interferon Signaling. <i>Viral Immunology</i> , 2015, 28, 448-454.	1.3	7
52	Babesia microti Protein BmSP44 Is a Novel Protective Antigen in a Mouse Model of Babesiosis. <i>Frontiers in Immunology</i> , 2020, 11, 1437.	4.8	7
53	Identification of the Alternative Splicing of the UL49 Locus of Human Cytomegalovirus. <i>BioMed Research International</i> , 2015, 2015, 1-10.	1.9	6
54	Antiviral activity of cathelicidin 5, a peptide from <i>Alligator sinensis</i> , against WSSV in caridean shrimp <i>Exopalaemon modestus</i> . <i>Fish and Shellfish Immunology</i> , 2019, 93, 82-89.	3.6	6

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55	A Novel Human Gene (WDR25) Encoding a 7-WD40-Containing Protein Maps on 14q32. <i>Biochemical Genetics</i> , 2004, 42, 419-427.	1.7	5
56	Cloning, expression and characterization of a novel human VMP gene. <i>Molecular Biology Reports</i> , 2002, 29, 281-286.	2.3	3
57	Identification and expression analysis of a novel splice variant of human Sprouty1 gene. <i>International Journal of Molecular Medicine</i> , 2003, 12, 783.	4.0	1
58	Cloning and characterization of a novel splice variant of the brain-specific protein densin-180. <i>International Journal of Molecular Medicine</i> , 2003, 11, 257.	4.0	1
59	Poly(C)-binding protein 2 positively regulates interferon downstream signaling. <i>Acta Biochimica Et Biophysica Sinica</i> , 2022, , .	2.0	1
60	Cloning and characterization of the human IFT20 gene. <i>Molecular Biology Reports</i> , 2003, 30, 255-260.	2.3	0
61	Vector-Borne Viral Diseases. <i>BioMed Research International</i> , 2015, 2015, 1-1.	1.9	0
62	Evasion strategies of Zika virus antagonizing host innate immunity. <i>Future Virology</i> , 2019, 14, 465-471.	1.8	0
63	Inhibitory effect of cycloctidine hydrochloride on vesicular stomatitis virus infection. <i>Acta Biochimica Et Biophysica Sinica</i> , 2020, 52, 576-579.	2.0	0