Fengwei Bai

List of Publications by Year
in descending order

44 papers	2,588 citations	201674 27 h-index	289244 40 g-index
44 all docs	44 docs citations	44 times ranked	4093 citing authors

#	Article	IF	Citations
1	Human innate immunosenescence: causes and consequences for immunity in old age. Trends in Immunology, 2009, 30, 325-333.	6.8	413
2	Toll-like Receptor 7 Mitigates Lethal West Nile Encephalitis via Interleukin 23-Dependent Immune Cell Infiltration and Homing. Immunity, 2009, 30, 242-253.	14.3	180
3	A Paradoxical Role for Neutrophils in the Pathogenesis of West Nile Virus. Journal of Infectious Diseases, 2010, 202, 1804-1812.	4.0	156
4	Matrix Metalloproteinase 9 Facilitates West Nile Virus Entry into the Brain. Journal of Virology, 2008, 82, 8978-8985.	3.4	151
5	Exosomes serve as novel modes of tick-borne flavivirus transmission from arthropod to human cells and facilitates dissemination of viral RNA and proteins to the vertebrate neuronal cells. PLoS Pathogens, 2018, 14, e1006764.	4.7	145
6	Neutrophil in viral infections, friend or foe?. Virus Research, 2013, 171, 1-7.	2.2	114
7	Antiviral Peptides Targeting the West Nile Virus Envelope Protein. Journal of Virology, 2007, 81, 2047-2055.	3.4	96
8	Use of RNA Interference to Prevent Lethal Murine West Nile Virus Infection. Journal of Infectious Diseases, 2005, 191, 1148-1154.	4.0	92
9	Delivery of antiviral small interfering RNA with gold nanoparticles inhibits dengue virus infection in vitro. Journal of General Virology, 2014, 95, 1712-1722.	2.9	88
10	IL-10 Signaling Blockade Controls Murine West Nile Virus Infection. PLoS Pathogens, 2009, 5, e1000610.	4.7	79
11	ICAM-1 Participates in the Entry of West Nile Virus into the Central Nervous System. Journal of Virology, 2008, 82, 4164-4168.	3.4	70
12	Osteopontin facilitates West Nile virus neuroinvasion via neutrophil â€œTrojan horseâ€• transport. Scientific Reports, 2017, 7, 4722.	3.3	67
13	Bioconjugated Gold Nanoparticle Based SERS Probe for Ultrasensitive Identification of Mosquito-Borne Viruses Using Raman Fingerprinting. Journal of Physical Chemistry C, 2015, 119, 23669-23675.	3.1	65
14	IL-22 Signaling Contributes to West Nile Encephalitis Pathogenesis. PLoS ONE, 2012, 7, e44153.	2.5	65
15	A Novel Allosteric Inhibitor of Macrophage Migration Inhibitory Factor (MIF). Journal of Biological Chemistry, 2012, 287, 30653-30663.	3.4	55
16	Mouse Embryonic Stem Cells Are Deficient in Type I Interferon Expression in Response to Viral Infections and Double-stranded RNA. Journal of Biological Chemistry, 2013, 288, 15926-15936.	3.4	55
17	Plant-produced anti-dengue virus monoclonal antibodies exhibit reduced antibody-dependent enhancement of infection activity. Journal of General Virology, 2016, 97, 3280-3290.	2.9	53
18	Current Understanding of West Nile Virus Clinical Manifestations, Immune Responses, Neuroinvasion, and Immunotherapeutic Implications. Pathogens, 2019, 8, 193.	2.8	52

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19	Interleukin-17A Promotes CD8⁺T Cell Cytotoxicity To Facilitate West Nile Virus Clearance. Journal of Virology, 2017, 91, .	3.4	46
20	<i>In vitro and in vivo</i> efficacy of antiâ€chikungunya virus monoclonal antibodies produced in wildâ€type and glycoengineered <i>Nicotiana benthamiana</i> plants. Plant Biotechnology Journal, 2020, 18, 266-273.	8.3	46
21	Preliminary anti-cancer photodynamic therapeutic in vitro studies with mixed-metal binuclear ruthenium(ii)â€“vanadium(iv) complexes. Dalton Transactions, 2013, 42, 11881.	3.3	43
22	A plant-produced vaccine protects mice against lethal West Nile virus infection without enhancing Zika or dengue virus infectivity. Vaccine, 2018, 36, 1846-1852.	3.8	43
23	Differential Expression of Genes Related to Innate Immune Responses in Ex Vivo Spinal Cord and Cerebellar Slice Cultures Infected with West Nile Virus. Brain Sciences, 2019, 9, 1.	2.3	43
24	An ultrasensitive electrogenerated chemiluminescence-based immunoassay for specific detection of Zika virus. Scientific Reports, 2016, 6, 32227.	3.3	40
25	Attenuated Innate Immunity in Embryonic Stem Cells and Its Implications in Developmental Biology and Regenerative Medicine. Stem Cells, 2015, 33, 3165-3173.	3.2	34
26	Loss of Glycosaminoglycan Receptor Binding after Mosquito Cell Passage Reduces Chikungunya Virus Infectivity. PLoS Neglected Tropical Diseases, 2015, 9, e0004139.	3.0	34
27	Highly potent anti-proliferative effects of a gallium(III) complex with 7-chloroquinoline thiosemicarbazone as a ligand: Synthesis, cytotoxic and antimalarial evaluation. European Journal of Medicinal Chemistry, 2014, 86, 81-86.	5.5	32
28	Antiviral Responses in Mouse Embryonic Stem Cells. Journal of Biological Chemistry, 2014, 289, 25186-25198.	3.4	31
29	Congenital Zika Virus Infection in Immunocompetent Mice Causes Postnatal Growth Impediment and Neurobehavioral Deficits. Frontiers in Microbiology, 2018, 9, 2028.	3.5	30
30	TLR8 Couples SOCS-1 and Restrains TLR7-Mediated Antiviral Immunity, Exacerbating West Nile Virus Infection in Mice. Journal of Immunology, 2016, 197, 4425-4435.	0.8	28
31	Effective siRNA targeting of the 3â€² untranslated region of the West Nile virus genome. Antiviral Research, 2009, 82, 166-168.	4.1	26
32	Development of Antiviral Innate Immunity During In Vitro Differentiation of Mouse Embryonic Stem Cells. Stem Cells and Development, 2016, 25, 648-659.	2.1	25
33	The Molecular Basis for the Lack of Inflammatory Responses in Mouse Embryonic Stem Cells and Their Differentiated Cells. Journal of Immunology, 2017, 198, 2147-2155.	0.8	25
34	Tumor Necrosis Factor-Alpha Signaling May Contribute to Chronic West Nile Virus Post-infectious Proinflammatory State. Frontiers in Medicine, 2020, 7, 164.	2.6	21
35	An Overview of Current Approaches Toward the Treatment and Prevention of West Nile Virus Infection. Methods in Molecular Biology, 2016, 1435, 249-291.	0.9	12
36	Zika virus infection causes widespread damage to the inner ear. Hearing Research, 2020, 395, 108000.	2.0	11

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37	Transcriptome profiling of the microalga Chlorella pyrenoidosa in response to different carbon dioxide concentrations. Marine Genomics, 2016, 29, 81-87.	1.1	10
38	Linking Water Quality to Aedes aegypti and Zika in Flood-Prone Neighborhoods. EcoHealth, 2019, 16, 191-209.	2.0	8
39	Gold nanoparticle-mediated delivery of siRNA: a promising strategy in the treatment of mosquito-borne viral diseases?. Future Virology, 2014, 9, 931-934.	1.8	2
40	Murine Trophoblast Stem Cells and Their Differentiated Cells Attenuate Zika Virus In Vitro by Reducing Glycosylation of the Viral Envelope Protein. Cells, 2021, 10, 3085.	4.1	2
41	Vector-Borne Viral Diseases. BioMed Research International, 2015, 2015, 1-1.	1.9	0
42	Dicer Deletion Leads to Different Antiviral Responses in Mouse Embryonic Stem Cells. FASEB Journal, 2021, 35, .	0.5	0
43	Effects of UV Inactivated West Nile Particles on Astrocytic Morphology and Expression of Marker Proteins. FASEB Journal, 2015, 29, 839.1.	0.5	0
44	Mouse Trophoblasts Can Provide Antiviral Protection to Embryonic Stem Cells. FASEB Journal, 2020, 34, 1-1.	0.5	0