Fengwei Bai

List of Publications by Year in descending order

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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	Dicer Deletion Leads to Different Antiviral Responses in Mouse Embryonic Stem Cells. FASEB Journal, 2021, 35, .	0.5	0
2	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
3	In vitro and in vivo efficacy of antiâ€chikungunya virus monoclonal antibodies produced in wildâ€type and glycoengineered Nicotiana benthamiana plants. Plant Biotechnology Journal, 2020, 18, 266-273.	8.3	46
4	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
5	Zika virus infection causes widespread damage to the inner ear. Hearing Research, 2020, 395, 108000.	2.0	11
6	Mouse Trophoblasts Can Provide Antiviral Protection to Embryonic Stem Cells. FASEB Journal, 2020, 34, 1-1.	0.5	0
7	Current Understanding of West Nile Virus Clinical Manifestations, Immune Responses, Neuroinvasion, and Immunotherapeutic Implications. Pathogens, 2019, 8, 193.	2.8	52
8	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
9	Linking Water Quality to Aedes aegypti and Zika in Flood-Prone Neighborhoods. EcoHealth, 2019, 16, 191-209.	2.0	8
10	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
11	Congenital Zika Virus Infection in Immunocompetent Mice Causes Postnatal Growth Impediment and Neurobehavioral Deficits. Frontiers in Microbiology, 2018, 9, 2028.	3.5	30
12	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
13	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
14	Osteopontin facilitates West Nile virus neuroinvasion via neutrophil â€œTrojan horseâ€•transport. Scientific Reports, 2017, 7, 4722.	3.3	67
15	Interleukin-17A Promotes CD8⁺T Cell Cytotoxicity To Facilitate West Nile Virus Clearance. Journal of Virology, 2017, 91, .	3.4	46
16	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
17	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
18	An ultrasensitive electrogenerated chemiluminescence-based immunoassay for specific detection of Zika virus. Scientific Reports, 2016, 6, 32227.	3.3	40

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19	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
20	Transcriptome profiling of the microalga Chlorella pyrenoidosa in response to different carbon dioxide concentrations. Marine Genomics, 2016, 29, 81-87.	1.1	10
21	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
22	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
23	Vector-Borne Viral Diseases. BioMed Research International, 2015, 2015, 1-1.	1.9	0
24	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
25	Loss of Glycosaminoglycan Receptor Binding after Mosquito Cell Passage Reduces Chikungunya Virus Infectivity. PLoS Neglected Tropical Diseases, 2015, 9, e0004139.	3.0	34
26	Effects of UV Inactivated West Nile Particles on Astrocytic Morphology and Expression of Marker Proteins. FASEB Journal, 2015, 29, 839.1.	0.5	0
27	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
28	Antiviral Responses in Mouse Embryonic Stem Cells. Journal of Biological Chemistry, 2014, 289, 25186-25198.	3.4	31
29	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
30	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
31	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
32	Neutrophil in viral infections, friend or foe?. Virus Research, 2013, 171, 1-7.	2.2	114
33	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
34	A Novel Allosteric Inhibitor of Macrophage Migration Inhibitory Factor (MIF). Journal of Biological Chemistry, 2012, 287, 30653-30663.	3.4	55
35	IL-22 Signaling Contributes to West Nile Encephalitis Pathogenesis. PLoS ONE, 2012, 7, e44153.	2.5	65
36	A Paradoxical Role for Neutrophils in the Pathogenesis of West Nile Virus. Journal of Infectious Diseases, 2010, 202, 1804-1812.	4.0	156

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37	IL-10 Signaling Blockade Controls Murine West Nile Virus Infection. PLoS Pathogens, 2009, 5, e1000610.	4.7	79
38	Effective siRNA targeting of the 3â€² untranslated region of the West Nile virus genome. Antiviral Research, 2009, 82, 166-168.	4.1	26
39	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
40	Human innate immunosenescence: causes and consequences for immunity in old age. Trends in Immunology, 2009, 30, 325-333.	6.8	413
41	Matrix Metalloproteinase 9 Facilitates West Nile Virus Entry into the Brain. Journal of Virology, 2008, 82, 8978-8985.	3.4	151
42	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
43	Antiviral Peptides Targeting the West Nile Virus Envelope Protein. Journal of Virology, 2007, 81, 2047-2055.	3.4	96
44	Use of RNA Interference to Prevent Lethal Murine West Nile Virus Infection. Journal of Infectious Diseases, 2005, 191, 1148-1154.	4.0	92