Xuemei Zhang

List of Publications by Year
in descending order

97	1,650	304701 22	395678 33
papers	citations	h-index	g-index

97	97	97	2087
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CpsR, a GntR family regulator, transcriptionally regulates capsular polysaccharide biosynthesis and governs bacterial virulence in Streptococcus pneumoniae. Scientific Reports, 2016, 6, 29255.	3.3	78
2	Activation of <scp>IL</scp>â€27 signalling promotes development of postinfluenza pneumococcal pneumonia. EMBO Molecular Medicine, 2014, 6, 120-140.	6.9	74
3	Enhanced protection against pneumococcal infection elicited by immunization with the combination of PspA, PspC, and ClpP. Vaccine, 2007, 25, 4996-5005.	3.8	65
4	Progranulin Plays a Central Role in Host Defense during Sepsis by Promoting Macrophage Recruitment. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 1219-1232.	5.6	48
5	Immunization with a Combination of Three Pneumococcal Proteins Confers Additive and Broad Protection against Streptococcus pneumoniae Infections in Mice. Infection and Immunity, 2010, 78, 1276-1283.	2.2	46
6	Magnetically and pH dual responsive dendrosomes for tumor accumulation enhanced folate-targeted hybrid drug delivery. Journal of Controlled Release, 2016, 232, 161-174.	9.9	46
7	Synergy of IL-27 and TNF-Î± in Regulating CXCL10 Expression in Lung Fibroblasts. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 518-530.	2.9	45
8	Progranulin is preferentially expressed in patients with psoriasis vulgaris and protects mice from psoriasisâ€like skin inflammation. Immunology, 2015, 145, 279-287.	4.4	44
9	Mucosal Immunization with Recombinant Fusion Protein DnaJ-Î”A146Ply Enhances Cross-Protective Immunity against Streptococcus pneumoniae Infection in Mice via Interleukin 17A. Infection and Immunity, 2014, 82, 1666-1675.	2.2	39
10	Interleukin 4 Deficiency Reverses Development of Secondary Pseudomonas aeruginosa Pneumonia During Sepsis-Associated Immunosuppression. Journal of Infectious Diseases, 2015, 211, 1616-1627.	4.0	38
11	Interleukin 17A Promotes Pneumococcal Clearance by Recruiting Neutrophils and Inducing Apoptosis through a p38 Mitogen-Activated Protein Kinase-Dependent Mechanism in Acute Otitis Media. Infection and Immunity, 2014, 82, 2368-2377.	2.2	35
12	Streptococcus pneumoniae Endopeptidase O (PepO) Elicits a Strong Innate Immune Response in Mice via TLR2 and TLR4 Signaling Pathways. Frontiers in Cellular and Infection Microbiology, 2016, 6, 23.	3.9	34
13	Immunization with DnaJ (hsp40) could elicit protection against nasopharyngeal colonization and invasive infection caused by different strains of Streptococcus pneumoniae. Vaccine, 2011, 29, 1736-1744.	3.8	32
14	Discovery of novel inhibitors of Streptococcus pneumoniae based on the virtual screening with the homology-modeled structure of histidine kinase (VicK). BMC Microbiology, 2009, 9, 129.	3.3	31
15	Jak-STAT3 pathway triggers DICER1 for proteasomal degradation by ubiquitin ligase complex of CUL4A DCAF1 to promote colon cancer development. Cancer Letters, 2016, 375, 209-220.	7.2	31
16	câ€Jun Nâ€terminal kinase and Akt signalling pathways regulating tumour necrosis factorâ€Î±â€induced interleukinâ€32 expression in human lung fibroblasts: implications in airway inflammation. Immunology, 2015, 144, 282-290.	4.4	30
17	ComE, an Essential Response Regulator, Negatively Regulates the Expression of the Capsular Polysaccharide Locus and Attenuates the Bacterial Virulence in Streptococcus pneumoniae. Frontiers in Microbiology, 2017, 8, 277.	3.5	29
18	Biochemical characterization and substrate profiling of a reversible 2,3-dihydroxybenzoic acid decarboxylase for biocatalytic Kolbe-Schmitt reaction. Enzyme and Microbial Technology, 2018, 113, 37-43.	3.2	26

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19	Immunization with a ZmpB-Based Protein Vaccine Could Protect against Pneumococcal Diseases in Mice. Infection and Immunity, 2011, 79, 867-878.	2.2	25
20	IL-27 Activates Human Trophoblasts to Express IP-10 and IL-6: Implications in the Immunopathophysiology of Preeclampsia. Mediators of Inflammation, 2014, 2014, 1-10.	3.0	25
21	Mucosal and systemic immunization with a novel attenuated pneumococcal vaccine candidate confer serotype independent protection against Streptococcus pneumoniae in mice. Vaccine, 2014, 32, 4179-4188.	3.8	25
22	Increased Active Tumor Targeting by An Î±vÎ²3-Targeting and Cell-Penetrating Bifunctional Peptide-Mediated Dendrimer-Based Conjugate. Pharmaceutical Research, 2017, 34, 121-135.	3.5	25
23	Synthesis of a bi-functional dendrimer-based nanovehicle co-modified with RGDyC and TAT peptides for neovascular targeting and penetration. International Journal of Pharmaceutics, 2016, 501, 112-123.	5.2	24
24	IL-27 enhances innate immunity of human pulmonary fibroblasts and epithelial cells through upregulation of TLR4 expression. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L133-L141.	2.9	23
25	Mitochondrial DNA Leakage Caused by Streptococcus pneumoniae Hydrogen Peroxide Promotes Type I IFN Expression in Lung Cells. Frontiers in Microbiology, 2019, 10, 630.	3.5	23
26	TLR2 promotes macrophage recruitment and Streptococcus pneumoniae clearance during mouse otitis media. Pediatric Research, 2016, 80, 886-893.	2.3	22
27	IL-6 During Influenza-Streptococcus pneumoniae Co-Infected Pneumoniaâ€"A Protector. Frontiers in Immunology, 2019, 10, 3102.	4.8	22
28	IL-6 Prevents Lung Macrophage Death and Lung Inflammation Injury by Inhibiting GSDME- and GSDMD-Mediated Pyroptosis during Pneumococcal Pneumosepsis. Microbiology Spectrum, 2022, 10, e0204921.	3.0	22
29	Compound 48/80 acts as a potent mucosal adjuvant for vaccination against Streptococcus pneumoniae infection in young mice. Vaccine, 2015, 33, 1008-1016.	3.8	20
30	Pneumococcal DnaJ modulates dendritic cell-mediated Th1 and Th17 immune responses through Toll-like receptor 4 signaling pathway. Immunobiology, 2017, 222, 384-393.	1.9	20
31	Mucosal Immunization with the Live Attenuated Vaccine SPY1 Induces Humoral and Th2-Th17-Regulatory T Cell Cellular Immunity and Protects against Pneumococcal Infection. Infection and Immunity, 2015, 83, 90-100.	2.2	19
32	The critical role of myeloperoxidase in Streptococcus pneumoniae clearance and tissue damage during mouse acute otitis media. Innate Immunity, 2017, 23, 296-306.	2.4	19
33	Type I <scp>IFN</scp> expression is stimulated by cytosolic Mt<scp>DNA</scp> released from pneumolysinâ€damaged mitochondria via the <scp>STING</scp> signaling pathway in macrophages. FEBS Journal, 2019, 286, 4754-4768.	4.7	19
34	Measurement of the QED energy shift in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:msup><mml:mi>s</mml:mi><mml:mn>2</mml:mn></mml:msup><mml:mn Physical Review A, 2008, 78, .	2.5	18
35	Serotype-independent protection against pneumococcal infections elicited by intranasal immunization with ethanol-killed pneumococcal strain, SPY1. Journal of Microbiology, 2014, 52, 315-323.	2.8	18
36	Purified Streptococcus pneumoniae Endopeptidase O (PepO) Enhances Particle Uptake by Macrophages in a Toll-Like Receptor 2- and miR-155-Dependent Manner. Infection and Immunity, 2017, 85, .	2.2	18

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37	DnaJ (hsp40) of Streptococcus pneumoniae is involved in bacterial virulence and elicits a strong natural immune reaction via PI3K/JNK. Molecular Immunology, 2017, 83, 137-146.	2.2	17
38	Subcutaneous immunization with Streptococcus pneumoniae GAPDH confers effective protection in mice via TLR2 and TLR4. Molecular Immunology, 2017, 83, 1-12.	2.2	17
39	Subcutaneous Immunization with Fusion Protein DnaJ-Î”A146Ply without Additional Adjuvants Induces both Humoral and Cellular Immunity against Pneumococcal Infection Partially Depending on TLR4. Frontiers in Immunology, 2017, 8, 686.	4.8	17
40	miR-29b Reverses T helper 1 cells/T helper 2 cells Imbalance and Alleviates Airway Eosinophils Recruitment in OVA-Induced Murine Asthma by Targeting Inducible Co-Stimulator. International Archives of Allergy and Immunology, 2019, 180, 182-194.	2.1	17
41	Streptococcus pneumoniae PepO promotes host anti-infection defense via autophagy in a Toll-like receptor 2/4 dependent manner. Virulence, 2020, 11, 270-282.	4.4	16
42	CD4+ T lymphocytes mediated protection against invasive pneumococcal infection induced by mucosal immunization with ClpP and CbpA. Vaccine, 2009, 27, 2838-2844.	3.8	15
43	Antibacterial effects of Traditional Chinese Medicine monomers against Streptococcus pneumoniae via inhibiting pneumococcal histidine kinase (VicK). Frontiers in Microbiology, 2015, 6, 479.	3.5	15
44	Nontypeable Haemophilus influenzae DNA stimulates type I interferon expression via STING signaling pathway. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 665-673.	4.1	15
45	Preparation and evaluation of injectable Rasagiline mesylate dual-controlled drug delivery system for the treatment of Parkinsonâ€™s disease. Drug Delivery, 2018, 25, 143-152.	5.7	15
46	A Novel Protein, RafX, Is Important for Common Cell Wall Polysaccharide Biosynthesis in Streptococcus pneumoniae: Implications for Bacterial Virulence. Journal of Bacteriology, 2014, 196, 3324-3334.	2.2	14
47	DNA transducer-triggered signal switch for visual colorimetric bioanalysis. Scientific Reports, 2015, 5, 11190.	3.3	14
48	Osteopontin is Critical for Hyperactive mTOR-Induced Tumorigenesis in Oral Squamous Cell Carcinoma. Journal of Cancer, 2017, 8, 1362-1370.	2.5	14
49	Pneumococcal LytR Protein Is Required for the Surface Attachment of Both Capsular Polysaccharide and Teichoic Acids: Essential for Pneumococcal Virulence. Frontiers in Microbiology, 2018, 9, 1199.	3.5	14
50	Mucosal immunization with purified ClpP could elicit protective efficacy against pneumococcal pneumonia and sepsis in mice. Microbes and Infection, 2008, 10, 1536-1542.	1.9	13
51	Protection against pneumococcal infection elicited by immunization with glutamyl tRNA synthetase, polyamine transport protein D and sortase A. Vaccine, 2012, 30, 3624-3633.	3.8	13
52	Pneumococcal ClpP modulates the maturation and activation of human dendritic cells: implications for pneumococcal infections. Journal of Leukocyte Biology, 2013, 93, 737-749.	3.3	12
53	Preparation and evaluation of rotigotine-loaded implant for the treatment of Parkinsonâ€™s disease and its evolution study. Saudi Pharmaceutical Journal, 2016, 24, 363-370.	2.7	11
54	Progranulin Decreases Susceptibility to Streptococcus pneumoniae in Influenza and Protects against Lethal Coinfection. Journal of Immunology, 2019, 203, 2171-2182.	0.8	11

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55	<scp>Streptococcus pneumoniae</scp> aminopeptidase N regulates dendritic cells that attenuates typeâ€2 airway inflammation in murine allergic asthma. British Journal of Pharmacology, 2020, 177, 5063-5077.	5.4	11
56	Muc5ac Production Inhibited by Decreased lncRNA H19 via PI3K/Akt/NF-kB in Asthma. Journal of Asthma and Allergy, 2021, Volume 14, 1033-1043.	3.4	11
57	Identifying Prokineticin2 as a Novel Immunomodulatory Factor in Diagnosis and Treatment of Sepsis*. Critical Care Medicine, 2022, 50, 674-684.	0.9	11
58	<scp>GHIP</scp> in StreptococcusÂpneumoniae is involved in antibacterial resistance and elicits a strong innate immune response through <scp>TLR</scp>2 and <scp>JNK</scp>/p38<scp>MAPK</scp>. FEBS Journal, 2014, 281, 3803-3815.	4.7	10
59	Apoptosis induced by pneumolysin in human endothelial cells involves mitogen-activated protein kinase phosphorylation. International Journal of Molecular Medicine, 2012, 29, 1025-30.	4.0	9
60	Pneumococcal wall teichoic acid is required for the pathogenesis of Streptococcus pneumoniae in murine models. Journal of Microbiology, 2015, 53, 147-154.	2.8	8
61	Progranulin Promotes Bleomycin-Induced Skin Sclerosis by Enhancing Transforming Growth Factorâ€Î²/Smad3 Signaling through Up-Regulation of Transforming Growth Factorâ€Î² Type I Receptor. American Journal of Pathology, 2019, 189, 1582-1593.	3.8	8
62	Progranulin Mediates Proinflammatory Responses in Systemic Lupus Erythematosus: Implications for the Pathogenesis of Systemic Lupus Erythematosus. Journal of Interferon and Cytokine Research, 2020, 40, 33-42.	1.2	8
63	Combination of Detoxified Pneumolysin Derivative Î”A146Ply and Berbamine as a Treatment Approach for Breast Cancer. Molecular Therapy - Oncolytics, 2020, 18, 247-261.	4.4	8
64	Mucosal immunization with caseinolytic protease X elicited cross-protective immunity against pneumococcal infection in mice. Experimental Biology and Medicine, 2012, 237, 694-702.	2.4	7
65	Attenuated Streptococcus pneumoniae vaccine candidate SPY1 promotes dendritic cell activation and drives a Th1/Th17 response. Immunology Letters, 2016, 179, 47-55.	2.5	7
66	Heterologous prime-boost immunization with live SPY1 and DnaJ protein of Streptococcus pneumoniae induces strong Th1 and Th17 cellular immune responses in mice. Journal of Microbiology, 2017, 55, 823-829.	2.8	7
67	Establishment of a rapid and sensitive method based on recombinase polymerase amplification to detect mts90, a new molecular target of Mycobacterium tuberculosis. RSC Advances, 2017, 7, 49895-49902.	3.6	7
68	Streptococcus pneumoniae Attenuated Strain SPY1 with an Artificial Mineral Shell Induces Humoral and Th17 Cellular Immunity and Protects Mice against Pneumococcal Infection. Frontiers in Immunology, 2017, 8, 1983.	4.8	7
69	Streptococcus pneumoniae aminopeptidase N contributes to bacterial virulence and elicits a strong innate immune response through MAPK and PI3K/AKT signaling. Journal of Microbiology, 2020, 58, 330-339.	2.8	7
70	SP0454, a putative threonine dehydratase, is required for pneumococcal virulence in mice. Journal of Microbiology, 2012, 50, 511-517.	2.8	6
71	Expression of Toll-Like Receptor 2 by Dendritic Cells Is Essential for the DnaJ-Î”A146Ply-Mediated Th1 Immune Response against Streptococcus pneumoniae. Infection and Immunity, 2018, 86, .	2.2	6
72	Engineering detoxified pneumococcal pneumolysin derivative Î”A146PLY for self-biomineralization of calcium phosphate: Assessment of their protective efficacy in murine infection models. Biomaterials, 2018, 155, 152-164.	11.4	6

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73	IL-33 synergistically promotes the proliferation of lung cancer cells in vitro by inducing antibacterial peptide LL-37 and proinflammatory cytokines in macrophages. Immunobiology, 2020, 225, 152025.	1.9	6
74	MgaSpn is a negative regulator of capsule and phosphorylcholine biosynthesis and influences the virulence of Streptococcus pneumoniae D39. Virulence, 2021, 12, 2366-2381.	4.4	6
75	Inactivation of Transcriptional Regulator FabT Influences Colony Phase Variation of Streptococcus pneumoniae. MBio, 2021, 12, e0130421.	4.1	6
76	Molecular mechanisms of the secretion of cytokines and chemokines from human monocytes activated by pneumococcal surface protein A (PspA): Roles of mitogen-activated protein kinases and NF-kappaB. Microbial Pathogenesis, 2010, 48, 220-229.	2.9	5
77	The Role of ClpP in Protein Expression of Streptococcus pneumoniae. Current Microbiology, 2012, 64, 294-299.	2.2	5
78	An efficient alternative marker for specific identification of Mycobacterium tuberculosis. World Journal of Microbiology and Biotechnology, 2014, 30, 2189-2197.	3.6	5
79	Type I interferon induced by DNA of nontypeable Haemophilus influenza modulates inflammatory cytokine profile to promote susceptibility to this bacterium. International Immunopharmacology, 2019, 74, 105710.	3.8	5
80	Mast cell degranulation impairs pneumococcus clearance in mice via IL-6 dependent and TNF-Î± independent mechanisms. World Allergy Organization Journal, 2019, 12, 100028.	3.5	5
81	Novel Therapeutic Targeting of CCL3-CCR4 Axis Mediated Apoptotic Intesitnal Injury in Necrotizing Enterocolitis. Frontiers in Immunology, 2022, 13, 859398.	4.8	5
82	Screening and identification of ClpE interaction proteins in Streptococcus pneumoniae by a bacterial two-hybrid system and co-immunoprecipitation. Journal of Microbiology, 2013, 51, 453-460.	2.8	4
83	Interleukin-17A Aggravates Middle Ear Injury Induced by Streptococcus pneumoniae through the p38 Mitogen-Activated Protein Kinase Signaling Pathway. Infection and Immunity, 2017, 85, .	2.2	4
84	Streptococcus pneumoniae Endopeptidase O Promotes the Clearance of Staphylococcus aureus and Streptococcus pneumoniae via SH2 Domain-Containing Inositol Phosphatase 1-Mediated Complement Receptor 3 Upregulation. Frontiers in Cellular and Infection Microbiology, 2020, 10, 358.	3.9	4
85	Interleukin-4 protects mice against lethal influenza and Streptococcus pneumoniae co-infected pneumonia. Clinical and Experimental Immunology, 2021, 205, 379-390.	2.6	4
86	Biomineralization improves the stability of a Streptococcus pneumoniae protein vaccine at high temperatures. Nanomedicine, 2021, 16, 1747-1761.	3.3	4
87	<scp>CD5L</scp> attenuates allergic airway inflammation by expanding <scp> CD11c ^{high} </scp> alveolar macrophages and inhibiting <scp>NLRP3</scp> inflammasome activation via <scp>HDAC2</scp>. Immunology, 0, , .	4.4	4
88	Pneumococcal proteins PspA and PspC induce CXCL8 production in human neutrophils: implications in pneumococcal infections. Microbes and Infection, 2010, 12, 1051-1060.	1.9	3
89	IL-27 as a potential biomarker for distinguishing between necrotising enterocolitis and highly suspected early-onset food protein-induced enterocolitis syndrome with abdominal gas signs. EBioMedicine, 2021, 72, 103607.	6.1	3
90	Screening and Identification of DnaJ Interaction Proteins in Streptococcus pneumoniae. Current Microbiology, 2013, 67, 732-741.	2.2	2

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91	SCCmec-associated psm-mec mRNA promotes Staphylococcus epidermidis biofilm formation. Antonie Van Leeuwenhoek, 2016, 109, 1403-1415.	1.7	2
92	Protective efficacy of mucosal and subcutaneous immunization with DnaJ-Î”A146Ply against influenza and Streptococcus pneumoniae co-infection in mice. Microbes and Infection, 2021, 23, 104813.	1.9	2
93	IL-4 plays an essential role in DnaJ-Î”A146Ply-mediated immunoprotection against Streptococcus pneumoniae in mice. Molecular Immunology, 2022, 143, 105-113.	2.2	2
94	Streptococcus pneumoniae autolysin LytA inhibits ISG15 and ISGylation through decreasing bacterial DNA abnormally accumulated in the cytoplasm of macrophages. Molecular Immunology, 2021, 140, 87-96.	2.2	1
95	Detoxified pneumolysin derivative Î”A146Ply inhibits autophagy and induces apoptosis in acute myeloid leukemia cells by activating mTOR signaling. Experimental and Molecular Medicine, 2022, 54, 601-612.	7.7	1
96	spd1672, a novel in vivo-induced gene, affects inflammatory response in a murine model of Streptococcus pneumoniae infection. Canadian Journal of Microbiology, 2018, 64, 401-408.	1.7	0
97	Cytosolic mtDNA released from pneumolysin-damaged mitochondria triggers IFN-Î² production in epithelial cells. Canadian Journal of Microbiology, 2020, 66, 435-445.	1.7	0