Wei Jiang

List of Publications by Year
in descending order

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75 papers	7,320 citations	87888 38 h-index	74163 75 g-index
76 all docs	76 docs citations	76 times ranked	10578 citing authors

#	Article	IF	Citations
1	Multiplexing Nanodrug Ameliorates Liver Fibrosis via ROS Elimination and Inflammation Suppression. Small, 2022, 18, e2102848.	10.0	20
2	Fast atom-trap analysis of 39Ar with isotope pre-enrichment. Review of Scientific Instruments, 2022, 93, 023203.	1.3	1
3	Inhibition of the NLRP3 Inflammasome Activation by Manoalide Ameliorates Experimental Autoimmune Encephalomyelitis Pathogenesis. Frontiers in Cell and Developmental Biology, 2022, 10, 822236.	3.7	8
4	Nitric Oxide Induces Immunogenic Cell Death and Potentiates Cancer Immunotherapy. ACS Nano, 2022, 16, 3881-3894.	14.6	66
5	Hydrogenated Oxide Material for Selfâ€Targeting and Automaticâ€Degrading Photothermal Tumor Therapy in the NIRâ€II Bioâ€Window. Advanced Functional Materials, 2022, 32, .	14.9	16
6	Synthetic vitamin K analogs inhibit inflammation by targeting the NLRP3 inflammasome. Cellular and Molecular Immunology, 2021, 18, 2422-2430.	10.5	22
7	Controls on the 36Cl/Cl input ratio of paleo-groundwater in arid environments: New evidence from 81Kr/Kr data. Science of the Total Environment, 2021, 762, 144106.	8.0	8
8	Nano-enabled coordination platform of bismuth nitrate and cisplatin prodrug potentiates cancer chemoradiotherapy via DNA damage enhancement. Biomaterials Science, 2021, 9, 3401-3409.	5.4	8
9	High drug loading and pH-responsive nanomedicines driven by dynamic boronate covalent chemistry for potent cancer immunotherapy. Nano Research, 2021, 14, 3913-3920.	10.4	11
10	Reversing Immunosuppression in Hypoxic and Immuneâ€Cold Tumors with Ultrathin Oxygen Selfâ€Supplementing Polymer Nanosheets under Near Infrared Light Irradiation. Advanced Functional Materials, 2021, 31, 2100354.	14.9	25
11	RRx-001 ameliorates inflammatory diseases by acting as a potent covalent NLRP3 inhibitor. Cellular and Molecular Immunology, 2021, 18, 1425-1436.	10.5	62
12	GPR34-mediated sensing of lysophosphatidylserine released by apoptotic neutrophils activates type 3 innate lymphoid cells to mediate tissue repair. Immunity, 2021, 54, 1123-1136.e8.	14.3	42
13	Neutrophil Decoys with Antiâ€Inflammatory and Antiâ€Oxidative Properties Reduce Secondary Spinal Cord Injury and Improve Neurological Functional Recovery. Advanced Functional Materials, 2021, 31, 2102912.	14.9	38
14	An atom trap system for 39Ar dating with improved precision. Review of Scientific Instruments, 2021, 92, 063204.	1.3	10
15	Monitoring atmospheric 85Kr by atom counting. Journal of Environmental Radioactivity, 2021, 233, 106604.	1.7	3
16	Inhibition of the Inflammasome Activity of NLRP3 Attenuates HDM-Induced Allergic Asthma. Frontiers in Immunology, 2021, 12, 718779.	4.8	33
17	Inflection Points on Groundwater Age and Geochemical Profiles Along Wellbores Light up Hierarchically Nested Flow Systems. Geophysical Research Letters, 2021, 48, e2020GL092337.	4.0	10
18	IL-18 maintains the homeostasis of mucosal immune system via inflammasome-independent but microbiota-dependent manner. Science Bulletin, 2021, 66, 2115-2123.	9.0	3

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19	Nano-metalâ€“organic-frameworks for treating H2O2-Secreting bacteria alleviate pulmonary injury and prevent systemic sepsis. Biomaterials, 2021, 279, 121237.	11.4	13
20	DAMP-sensing receptors in sterile inflammation and inflammatory diseases. Nature Reviews Immunology, 2020, 20, 95-112.	22.7	920
21	Microenvironment-activated nanoparticles for oxygen self-supplemented photodynamic cancer therapy. Biomaterials Science, 2020, 8, 370-378.	5.4	17
22	Pseudoneutrophil Cytokine Sponges Disrupt Myeloid Expansion and Tumor Trafficking to Improve Cancer Immunotherapy. Nano Letters, 2020, 20, 242-251.	9.1	53
23	Brain estrogen alters the effects of the antidepressant sertraline in middle-aged female and male mice. Molecular and Cellular Endocrinology, 2020, 516, 110947.	3.2	4
24	Pre- and post-irradiation mild hyperthermia enabled by NIR-II for sensitizing radiotherapy. Biomaterials, 2020, 257, 120235.	11.4	31
25	Auâ€“Hemoglobin Loaded Platelet Alleviating Tumor Hypoxia and Enhancing the Radiotherapy Effect with Low-Dose X-ray. ACS Nano, 2020, 14, 15654-15668.	14.6	85
26	Furinâ€Instructed Intracellular Gold Nanoparticle Aggregation for Tumor Photothermal Therapy. Advanced Functional Materials, 2020, 30, 2001566.	14.9	71
27	Myeloid PTEN promotes chemotherapy-induced NLRP3-inflammasome activation and antitumour immunity. Nature Cell Biology, 2020, 22, 716-727.	10.3	70
28	Stepwise-activatable hypoxia triggered nanocarrier-based photodynamic therapy for effective synergistic bioreductive chemotherapy. Biomaterials, 2020, 245, 119982.	11.4	44
29	Self-Reporting and Splitting Nanopomegranates Potentiate Deep Tissue Cancer Radiotherapy via Elevated Diffusion and Transcytosis. ACS Nano, 2020, 14, 8459-8472.	14.6	35
30	Polyphosphoestered Nanomedicines with Tunable Surface Hydrophilicity for Cancer Drug Delivery. ACS Applied Materials & Interfaces, 2020, 12, 32312-32320.	8.0	10
31	Chemotaxis-driven delivery of nano-pathogenoids for complete eradication of tumors post-phototherapy. Nature Communications, 2020, 11, 1126.	12.8	167
32	Protein Binding Affinity of Polymeric Nanoparticles as a Direct Indicator of Their Pharmacokinetics. ACS Nano, 2020, 14, 3563-3575.	14.6	52
33	Nanoclustered Cascaded Enzymes for Targeted Tumor Starvation and Deoxygenation-Activated Chemotherapy without Systemic Toxicity. ACS Nano, 2019, 13, 8890-8902.	14.6	111
34	Dual Separation of Krypton and Argon from Environmental Samples for Radioisotope Dating. Analytical Chemistry, 2019, 91, 13576-13581.	6.5	12
35	Commensal viruses maintain intestinal intraepithelial lymphocytes via noncanonical RIG-I signaling. Nature Immunology, 2019, 20, 1681-1691.	14.5	73
36	Near-Infrared II Phototherapy Induces Deep Tissue Immunogenic Cell Death and Potentiates Cancer Immunotherapy. ACS Nano, 2019, 13, 11967-11980.	14.6	251

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37	Tumor Reoxygenation and Blood Perfusion Enhanced Photodynamic Therapy using Ultrathin Graphdiyne Oxide Nanosheets. Nano Letters, 2019, 19, 4060-4067.	9.1	118
38	Controlled Syntheses of Well-Defined Poly(thionophosphoester)s That Undergo Peroxide-Triggered Degradation. Macromolecules, 2019, 52, 4306-4316.	4.8	5
39	⁸¹Kr Dating at the Guliya Ice Cap, Tibetan Plateau. Geophysical Research Letters, 2019, 46, 6636-6643.	4.0	23
40	ROS-sensitive biomimetic nanocarriers modulate tumor hypoxia for synergistic photodynamic chemotherapy. Biomaterials Science, 2019, 7, 3706-3716.	5.4	53
41	Au nanoparticles with enzyme-mimicking activity-ornamented ZIF-8 for highly efficient photodynamic therapy. Biomaterials Science, 2019, 7, 2740-2748.	5.4	72
42	Sex Differences in Antidepressant Effect of Sertraline in Transgenic Mouse Models. Frontiers in Cellular Neuroscience, 2019, 13, 24.	3.7	7
43	Orchestration of NLRP3 Inflammasome Activation by Ion Fluxes. Trends in Immunology, 2018, 39, 393-406.	6.8	158
44	Tranilast directly targets <scp>NLRP</scp> 3 to treat inflammasomeâ€driven diseases. EMBO Molecular Medicine, 2018, 10, .	6.9	325
45	Acidity-triggered TAT-presenting nanocarriers augment tumor retention and nuclear translocation of drugs. Nano Research, 2018, 11, 5716-5734.	10.4	27
46	Cancer Chemoradiotherapy Duo: Nano-Enabled Targeting of DNA Lesion Formation and DNA Damage Response. ACS Applied Materials & Interfaces, 2018, 10, 35734-35744.	8.0	30
47	Hierarchical Multiplexing Nanodroplets for Imaging-Guided Cancer Radiotherapy via DNA Damage Enhancement and Concomitant DNA Repair Prevention. ACS Nano, 2018, 12, 5684-5698.	14.6	83
48	Functional and structural characterization of zebrafish ASC. FEBS Journal, 2018, 285, 2691-2707.	4.7	25
49	Delivery of tacrolimus with cationic lipid-assisted nanoparticles for ulcerative colitis therapy. Biomaterials Science, 2018, 6, 1916-1922.	5.4	21
50	Oridonin is a covalent NLRP3 inhibitor with strong anti-inflammasome activity. Nature Communications, 2018, 9, 2550.	12.8	448
51	Control of Inflammasome Activation by Phosphorylation. Trends in Biochemical Sciences, 2018, 43, 685-699.	7.5	47
52	GPCRs in NLRP3 Inflammasome Activation, Regulation, and Therapeutics. Trends in Pharmacological Sciences, 2018, 39, 798-811.	8.7	47
53	Plant Lectins Activate the NLRP3 Inflammasome To Promote Inflammatory Disorders. Journal of Immunology, 2017, 198, 2082-2092.	0.8	53
54	TRIM65-catalized ubiquitination is essential for MDA5-mediated antiviral innate immunity. Journal of Experimental Medicine, 2017, 214, 459-473.	8.5	120

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55	NIR imaging-guided combined photodynamic therapy and chemotherapy by a pH-responsive amphiphilic polypeptide prodrug. Biomaterials Science, 2017, 5, 313-321.	5.4	48
56	Identification of a selective and direct NLRP3 inhibitor to treat inflammatory disorders. Journal of Experimental Medicine, 2017, 214, 3219-3238.	8.5	485
57	CLICs-dependent chloride efflux is an essential and proximal upstream event for NLRP3 inflammasome activation. Nature Communications, 2017, 8, 202.	12.8	246
58	<scp>NLRP</scp> 11 disrupts <scp>MAVS</scp> signalosome to inhibit type I interferon signaling and virusâ€induced apoptosis. EMBO Reports, 2017, 18, 2160-2171.	4.5	26
59	Study of Sex Differences in Duloxetine Efficacy for Depression in Transgenic Mouse Models. Frontiers in Cellular Neuroscience, 2017, 11, 344.	3.7	14
60	Osteopontin Promotes Expression of Matrix Metalloproteinase 13 through NF-ÎºB Signaling in Osteoarthritis. BioMed Research International, 2016, 2016, 1-8.	1.9	14
61	MicroRNA-199a-5p inhibits cisplatin-induced drug resistance via inhibition of autophagy in osteosarcoma cells. Oncology Letters, 2016, 12, 4203-4208.	1.8	43
62	Role of vasoactive intestinal peptide in osteoarthritis. Journal of Biomedical Science, 2016, 23, 63.	7.0	35
63	Dopamine Controls Systemic Inflammation through Inhibition of NLRP3 Inflammasome. Cell, 2015, 160, 62-73.	28.9	753
64	RNA viruses promote activation of the NLRP3 inflammasome through a RIP1-RIP3-DRP1 signaling pathway. Nature Immunology, 2014, 15, 1126-1133.	14.5	273
65	Should genes with missing data be excluded from phylogenetic analyses?. Molecular Phylogenetics and Evolution, 2014, 80, 308-318.	2.7	109
66	Omega-3 Fatty Acids Prevent Inflammation and Metabolic Disorder through Inhibition of NLRP3 Inflammasome Activation. Immunity, 2013, 38, 1154-1163.	14.3	597
67	Recognition of gut microbiota by NOD2 is essential for the homeostasis of intestinal intraepithelial lymphocytes. Journal of Experimental Medicine, 2013, 210, 2465-2476.	8.5	131
68	Combination of Human Leukocyte Antigen and Killer Cell Immunoglobulin-Like Receptor Genetic Background Influences the Onset Age of Hepatocellular Carcinoma in Male Patients with Hepatitis B Virus Infection. Clinical and Developmental Immunology, 2013, 2013, 1-7.	3.3	11
69	KIR and HLA Loci Are Associated with Hepatocellular Carcinoma Development in Patients with Hepatitis B Virus Infection: A Case-Control Study. PLoS ONE, 2011, 6, e25682.	2.5	38
70	c-Myc controls the development of CD8Î±Î± TCRÎ±Î² intestinal intraepithelial lymphocytes from thymic precursors by regulating IL-15â€“dependent survival. Blood, 2010, 115, 4431-4438.	1.4	27
71	Selective Requirement for c-Myc at an Early Stage of VÎ±14i NKT Cell Development. Journal of Immunology, 2009, 182, 4641-4648.	0.8	82
72	Dynamic Regulation of Notch 1 and Notch 2 Surface Expression during T Cell Development and Activation Revealed by Novel Monoclonal Antibodies. Journal of Immunology, 2009, 183, 7212-7222.	0.8	58

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73	TLR-9 Activation Aggravates Concanavalin A-Induced Hepatitis via Promoting Accumulation and Activation of Liver CD4+ NKT Cells. Journal of Immunology, 2009, 182, 3768-3774.	0.8	75
74	Liver-specific HBsAg transgenic mice are over-sensitive to Poly(I:C)-induced liver injury in NK cell- and IFN-Î³-dependent manner. Journal of Hepatology, 2007, 47, 183-190.	3.7	43
75	Toll-like receptor 3 ligand attenuates LPS-induced liver injury by down-regulation of toll-like receptor 4 expression on macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17077-17082.	7.1	145