Xiawei Wei

List of Publications by Citations

77 papers	3,125 citations	26 h-index	55 g-index
82 ext. papers	4,524 ext. citations	10.1 avg, IF	5.57 L-index

#	Paper	IF	Citations
77	A vaccine targeting the RBD of the S protein of SARS-CoV-2 induces protective immunity. *Nature*, **2020**, 586, 572-577	50.4	348
76	Biodegradable poly(epsilon-caprolactone)-poly(ethylene glycol) copolymers as drug delivery system. *International Journal of Pharmaceutics*, **2009**, 381, 1-18	6.5	295
75	Improving antiangiogenesis and anti-tumor activity of curcumin by biodegradable polymeric micelles. *Biomaterials*, **2013**, 34, 1413-32	15.6	176
74	Cationic nanocarriers induce cell necrosis through impairment of Na(+)/K(+)-ATPase and cause subsequent inflammatory response. *Cell Research*, **2015**, 25, 237-53	24.7	162
73	Artificial Virus Delivers CRISPR-Cas9 System for Genome Editing of Cells in Mice. *ACS Nano*, **2017**, 11, 95-111	16.7	161
72	A mouse model for SARS-CoV-2-induced acute respiratory distress syndrome. *Signal Transduction and Targeted Therapy*, **2021**, 6, 1	21	161
71	AMPK activation protects cells from oxidative stress-induced senescence via autophagic flux restoration and intracellular NAD(+) elevation. *Aging Cell*, **2016**, 15, 416-27	9.9	159
70	Autophagy impairment with lysosomal and mitochondrial dysfunction is an important characteristic of oxidative stress-induced senescence. *Autophagy*, **2017**, 13, 99-113	10.2	150
69	Anticancer effect and mechanism of polymer micelle-encapsulated quercetin on ovarian cancer. *Nanoscale*, **2012**, 4, 7021-30	7.7	107
68	Mitochondrial DNA in the regulation of innate immune responses. *Protein and Cell*, **2016**, 7, 11-6	7.2	94
67	SARS-CoV-2 Omicron variant: Characteristics and prevention.. *MedComm*, **2021**,	2.2	85
66	Epigenetic regulation of macrophages: from homeostasis maintenance to host defense. *Cellular and Molecular Immunology*, **2020**, 17, 36-49	15.4	85
65	PCL/PEG copolymeric nanoparticles: potential nanoplatforms for anticancer agent delivery. *Current Drug Targets*, **2011**, 12, 1131-50	3	73
64	Biodegradable self-assembled PEG-PCL-PEG micelles for hydrophobic honokiol delivery: I. Preparation and characterization. *Nanotechnology*, **2010**, 21, 215103	3.4	67
63	Preparation, characterization and application of star-shaped PCL/PEG micelles for the delivery of doxorubicin in the treatment of colon cancer. *International Journal of Nanomedicine*, **2013**, 8, 971-82	7.3	61
62	Self-assembled honokiol-loaded micelles based on poly(epsilon-caprolactone)-poly(ethylene glycol)-poly(epsilon-caprolactone) copolymer. *International Journal of Pharmaceutics*, **2009**, 369, 170-5	6.5	61
61	Delivering instilled hydrophobic drug to the bladder by a cationic nanoparticle and thermo-sensitive hydrogel composite system. *Nanoscale*, **2012**, 4, 6425-33	7.7	52

60	Biodegradable self-assembled PEG-PCL-PEG micelles for hydrophobic drug delivery, part 2: in vitro and in vivo toxicity evaluation. *Journal of Nanoparticle Research*, **2011**, 13, 721-731	2.3	40
59	Targeting folate receptor positive tumor-associated macrophages in lung cancer with a folate-modified liposomal complex. *Signal Transduction and Targeted Therapy*, **2020**, 5, 6	21	34
58	Induction of neutrophil extracellular traps during tissue injury: Involvement of STING and Toll-like receptor 9 pathways. *Cell Proliferation*, **2019**, 52, e12579	7.9	32
57	Myeloid-Derived Suppressor Cells Promote Metastasis in Breast Cancer After the Stress of Operative Removal of the Primary Cancer. *Frontiers in Oncology*, **2019**, 9, 855	5.3	31
56	Rapid and simple detection of ascorbic acid and alkaline phosphatase via controlled generation of silver nanoparticles and selective recognition. *Analyst, The*, **2019**, 144, 1147-1152	5	31
55	Multimode MicroRNA Sensing via Multiple Enzyme-Free Signal Amplification and Cation-Exchange Reaction. *ACS Applied Materials & Interfaces*, **2019**, 11, 36476-36484	9.5	28
54	Surgical trauma-induced immunosuppression in cancer: Recent advances and the potential therapies. *Clinical and Translational Medicine*, **2020**, 10, 199-223	5.7	28
53	Tumor cells induce LAMP2a expression in tumor-associated macrophage for cancer progression. *EBioMedicine*, **2019**, 40, 118-134	8.8	27
52	Cryo-EM structures of lipopolysaccharide transporter LptBFGC in lipopolysaccharide or AMP-PNP-bound states reveal its transport mechanism. *Nature Communications*, **2019**, 10, 4175	17.4	26
51	Novel thermosensitive hydrogel for preventing formation of abdominal adhesions. *International Journal of Nanomedicine*, **2013**, 8, 2453-63	7.3	26
50	Repurposing Brigatinib for the Treatment of Colorectal Cancer Based on Inhibition of ER-phagy. *Theranostics*, **2019**, 9, 4878-4892	12.1	24
49	Preparation and characterization of monomethoxy poly(ethylene glycol)-poly(caprolactone) micelles for the solubilization and in vivo delivery of luteolin. *International Journal of Nanomedicine*, **2013**, 8, 3061-9	7.3	24
48	Hyaluronan Reduces Cationic Liposome-Induced Toxicity and Enhances the Antitumor Effect of Targeted Gene Delivery in Mice. *ACS Applied Materials & Interfaces*, **2018**, 10, 32006-32016	9.5	21
47	Jumonji domain-containing 6 (JMJD6) identified as a potential therapeutic target in ovarian cancer. *Signal Transduction and Targeted Therapy*, **2019**, 4, 24	21	20
46	Thermosensitive cyclodextrin modified poly(caprolactone)-poly(ethylene glycol)-poly(caprolactone) micelles prolong the anti-inflammatory effect of indomethacin following local injection. *Acta Biomaterialia*, **2013**, 9, 6953-63	10.8	20
45	Carbon black nanoparticles induce cell necrosis through lysosomal membrane permeabilization and cause subsequent inflammatory response. *Theranostics*, **2020**, 10, 4589-4605	12.1	19
44	Cholesterol-modified Hydroxychloroquine-loaded Nanocarriers in Bleomycin-induced Pulmonary Fibrosis. *Scientific Reports*, **2017**, 7, 10737	4.9	19
43	Radiomics based on F-FDG PET/CT could differentiate breast carcinoma from breast lymphoma using machine-learning approach: A preliminary study. *Cancer Medicine*, **2020**, 9, 496-506	4.8	19

42	Heat stress activates YAP/TAZ to induce the heat shock transcriptome. *Nature Cell Biology*, **2020**, 22, 1447-1459	23.4	19
41	Inhibition of FGF-FGFR and VEGF-VEGFR signalling in cancer treatment. *Cell Proliferation*, **2021**, 54, e13009	7.9	19
40	Negative regulation of cationic nanoparticle-induced inflammatory toxicity through the increased production of prostaglandin E2 via mitochondrial DNA-activated Ly6C monocytes. *Theranostics*, **2018**, 8, 3138-3152	12.1	18
39	Structural insights into outer membrane asymmetry maintenance in Gram-negative bacteria by MlaFEDB. *Nature Structural and Molecular Biology*, **2021**, 28, 81-91	17.6	17
38	Inflammatory Cytokines in Cancer: Comprehensive Understanding and Clinical Progress in Gene Therapy. *Cells*, **2021**, 10,	7.9	16
37	Sensitive CVG-AFS/ICP-MS label-free nucleic acid and protein assays based on a selective cation exchange reaction and simple filtration separation. *Analyst, The*, **2019**, 144, 2797-2802	5	15
36	Jumonji domain-containing protein 6 protein and its role in cancer. *Cell Proliferation*, **2020**, 53, e12747	7.9	15
35	Role of lysosomes in physiological activities, diseases, and therapy. *Journal of Hematology and Oncology*, **2021**, 14, 79	22.4	15
34	Inhibition of A20 expression in tumor microenvironment exerts anti-tumor effect through inducing myeloid-derived suppressor cells apoptosis. *Scientific Reports*, **2015**, 5, 16437	4.9	14
33	Oxidized mitochondrial DNA sensing by STING signaling promotes the antitumor effect of an irradiated immunogenic cancer cell vaccine. *Cellular and Molecular Immunology*, **2021**, 18, 2211-2223	15.4	13
32	A bivalent recombinant vaccine targeting the S1 protein induces neutralizing antibodies against both SARS-CoV-2 variants and wild-type of the virus. *MedComm*, **2021**, 2, 430	2.2	13
31	SARS-CoV-2 Omicron variant: Immune escape and vaccine development.. *MedComm*, **2022**, 3, e126	2.2	13
30	In situ antitumor vaccination: Targeting the tumor microenvironment. *Journal of Cellular Physiology*, **2020**, 235, 5490-5500	7	12
29	Structural basis for bacterial lipoprotein relocation by the transporter LolCDE. *Nature Structural and Molecular Biology*, **2021**, 28, 347-355	17.6	12
28	Modular Engineering of Targeted Dual-Drug Nanoassemblies for Cancer Chemoimmunotherapy. *ACS Applied Materials & Interfaces*, **2019**, 11, 36371-36382	9.5	11
27	Coronavirus in human diseases: Mechanisms and advances in clinical treatment. *MedComm*, **2020**, 1, 270	2.2	11
26	Current Status of Nonviral Vectors for Gene Therapy in China. *Human Gene Therapy*, **2018**, 29, 110-120	4.8	11
25	Inhibition of NPC1L1 disrupts adaptive responses of drug-tolerant persister cells to chemotherapy.. *EMBO Molecular Medicine*, **2022**, e14903	12	11

24	Targeting Myeloid-Derived Suppressor Cells for Premetastatic Niche Disruption After Tumor Resection. *Annals of Surgical Oncology*, **2021**, 28, 4030-4048	3.1	11
23	Role of the CCL2-CCR2 signalling axis in cancer: Mechanisms and therapeutic targeting. *Cell Proliferation*, **2021**, 54, e13115	7.9	11
22	Silver nanoparticles and silver ions cause inflammatory response through induction of cell necrosis and the release of mitochondria in vivo and in vitro. *Cell Biology and Toxicology*, **2021**, 37, 177-191	7.4	10
21	A general strategy for label-free homogeneous bioassays based on selective recognition and silver ion-mediated conformational switch. *Talanta*, **2019**, 201, 9-15	6.2	9
20	Targeted activation of Stat3 in combination with paclitaxel results in increased apoptosis in epithelial ovarian cancer cells and a reduced tumour burden. *Cell Proliferation*, **2020**, 53, e12719	7.9	9
19	Targeted Nanoparticle-Mediated Gene Therapy Mimics Oncolytic Virus for Effective Melanoma Treatment. *Advanced Functional Materials*, **2018**, 28, 1800173	15.6	8
18	Cationic nanocarriers as potent adjuvants for recombinant S-RBD vaccine of SARS-CoV-2. *Signal Transduction and Targeted Therapy*, **2020**, 5, 291	21	7
17	Immunological perspectives on the pathogenesis, diagnosis, prevention and treatment of COVID-19. *Molecular Biomedicine*, **2021**, 2, 1	3.1	6
16	Spike protein of SARS-CoV-2 Omicron (B.1.1.529) variant have a reduced ability to induce the immune response.. *Signal Transduction and Targeted Therapy*, **2022**, 7, 119	21	5
15	Inactivated SARS-CoV-2 induces acute respiratory distress syndrome in human ACE2-transgenic mice.. *Signal Transduction and Targeted Therapy*, **2021**, 6, 439	21	5
14	A dual MET/AXL small-molecule inhibitor exerts efficacy against gastric carcinoma through killing cancer cells as well as modulating tumor microenvironment. *MedComm*, **2020**, 1, 103-118	2.2	4
13	Biomaterial-assisted biotherapy: A brief review of biomaterials used in drug delivery, vaccine development, gene therapy, and stem cell therapy.. *Bioactive Materials*, **2022**, 17, 29-48	16.7	3
12	Lymph-Node-Targeted Cholesterolized TLR7 Agonist Liposomes Provoke a Safe and Durable Antitumor Response. *Nano Letters*, **2021**, 21, 7960-7969	11.5	3
11	The molecular mechanisms of MLKL-dependent and MLKL-independent necrosis. *Journal of Molecular Cell Biology*, **2021**, 13, 3-14	6.3	2
10	The molecular mechanism of acute liver injury and inflammatory response induced by Concanavalin A.. *Molecular Biomedicine*, **2021**, 2, 24	3.1	2
9	Graphene promotes lung cancer metastasis through Wnt signaling activation induced by DAMPs. *Nano Today*, **2021**, 39, 101175	17.9	2
8	Opportunities and challenges in the nanoparticles for nucleic acid therapeutics: the first approval of an RNAi nanoparticle for treatment of a rare disease. *National Science Review*, **2019**, 6, 1105-1106	10.8	1
7	Crystalline silica induces macrophage necrosis and causes subsequent acute pulmonary neutrophilic inflammation. *Cell Biology and Toxicology*, **2021**, 1	7.4	1

6	Criteria for judging the immune markers of COVID-19 disease vaccines.. *MedComm*, **2022**, 3, 1-12	2.2	1
5	Targeting the MDSCs of Tumors In Situ With Inhibitors of the MAPK Signaling Pathway to Promote Tumor Regression. *Frontiers in Oncology*, **2021**, 11, 647312	5.3	0
4	Nanoparticles targeting tumor-associated macrophages: A novel anti-tumor therapy. *Nano Research*,1	10	0
3	Intranasal administration of a recombinant RBD vaccine induces long-term immunity against Omicron-included SARS-CoV-2 variants.. *Signal Transduction and Targeted Therapy*, **2022**, 7, 159	21	0
2	Protocols for measuring phosphorylation, subcellular localization, and kinase activity of Hippo pathway components YAP and LATS in cultured cells.. *STAR Protocols*, **2022**, 3, 101102	1.4	
1	ASO Author Reflections: Perioperative Targeting of the Pre-metastatic Niche Reduces Metastatic Risk After Resection of Solid Tumors. *Annals of Surgical Oncology*, **2021**, 28, 4049-4050	3.1	