Hongkai Zhang

List of Publications by Year in Descending Order

29 papers	466 citations	11 h-index	21 g-index
36 ext. papers	610 ext. citations	7.9 avg, IF	3.2 L-index

#	Paper	IF	Citations
29	Structures of Omicron spike complexes and implications for neutralizing antibody development.. *Cell Reports*, **2022**, 110770	10.6	4
28	Antigen-Specific Stimulation and Expansion of CAR-T Cells Using Membrane Vesicles as Target Cell Surrogates. *Small*, **2021**, 17, e2102643	11	1
27	Molecular deconvolution of the neutralizing antibodies induced by an inactivated SARS-CoV-2 virus vaccine. *Protein and Cell*, **2021**, 12, 818-823	7.2	5
26	High-throughput functional screening for next-generation cancer immunotherapy using droplet-based microfluidics. *Science Advances*, **2021**, 7,	14.3	12
25	Reshaping the Immune Microenvironment by Oncolytic Herpes Simplex Virus in Murine Pancreatic Ductal Adenocarcinoma. *Molecular Therapy*, **2021**, 29, 744-761	11.7	11
24	A general Fc engineering platform for the next generation of antibody therapeutics. *Theranostics*, **2021**, 11, 1901-1917	12.1	5
23	Targeting FSTL1 for Multiple Fibrotic and Systemic Autoimmune Diseases. *Molecular Therapy*, **2021**, 29, 347-364	11.7	5
22	Phenotypic selection with an intrabody library reveals an anti-apoptotic function of PKM2 requiring Mitofusin-1. *PLoS Biology*, **2019**, 17, e2004413	9.7	6
21	The interaction between Vav1 and EBNA1 promotes survival of Burkitt's lymphoma cells by down-regulating the expression of Bim. *Biochemical and Biophysical Research Communications*, **2019**, 511, 787-793	3.4	3
20	An agonist antibody prefers relapsed AML for induction of cells that kill each other. *Scientific Reports*, **2019**, 9, 3494	4.9	
19	Identification of novel Kv1.3 targeting venom peptides by a single round of autocrine-based selection. *Biochemical and Biophysical Research Communications*, **2019**, 509, 954-959	3.4	
18	Affinity maturation of an TpoR targeting antibody in full-length IgG form for enhanced agonist activity. *Protein Engineering, Design and Selection*, **2018**, 31, 233-241	1.9	6
17	Interleukin-5 suppresses Vascular Endothelial Growth Factor-induced angiogenesis through STAT5 signaling. *Cytokine*, **2018**, 110, 397-403	4	7
16	High-throughput reformatting of phage-displayed antibody fragments to IgGs by one-step emulsion PCR. *Protein Engineering, Design and Selection*, **2018**, 31, 427-436	1.9	2
15	A Proximity-Based Assay for Identification of Ligand and Membrane Protein Interaction in Living Cells. *Methods in Molecular Biology*, **2017**, 1575, 215-222	1.4	
14	Antibody-Mediated Inhibition of Tspan12 Ameliorates Vasoproliferative Retinopathy Through Suppression of Catenin Signaling. *Circulation*, **2017**, 136, 180-195	16.7	12
13	Autocrine-Based Selection of Drugs That Target Ion Channels from Combinatorial Venom Peptide Libraries. *Angewandte Chemie*, **2016**, 128, 9452-9456	3.6	

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12	Titelbild: Autocrine-Based Selection of Drugs That Target Ion Channels from Combinatorial Venom Peptide Libraries (Angew. Chem. 32/2016). *Angewandte Chemie*, **2016**, 128, 9245-9245	3.6	
11	Autocrine-Based Selection of Drugs That Target Ion Channels from Combinatorial Venom Peptide Libraries. *Angewandte Chemie - International Edition*, **2016**, 55, 9306-10	16.4	12
10	Agonist antibody that induces human malignant cells to kill one another. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E6158-65	11.5	11
9	Antibodies from combinatorial libraries use functional receptor pleiotropism to regulate cell fates. *Quarterly Reviews of Biophysics*, **2015**, 48, 389-94	7	12
8	Autocrine selection of a GLP-1R G-protein biased agonist with potent antidiabetic effects. *Nature Communications*, **2015**, 6, 8918	17.4	90
7	Selection of multiple agonist antibodies from intracellular combinatorial libraries reveals that cellular receptors are functionally pleiotropic. *Current Opinion in Chemical Biology*, **2015**, 26, 1-7	9.7	16
6	A proximity based general method for identification of ligand and receptor interactions in living cells. *Biochemical and Biophysical Research Communications*, **2014**, 454, 251-5	3.4	13
5	Prevention of cell death by antibodies selected from intracellular combinatorial libraries. *Chemistry and Biology*, **2014**, 21, 274-83		32
4	Selecting agonists from single cells infected with combinatorial antibody libraries. *Chemistry and Biology*, **2013**, 20, 734-41		39
3	Selection of antibodies that regulate phenotype from intracellular combinatorial antibody libraries. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 15728-33	11.5	53
2	Magnetic and pH-responsive nanocarriers with multilayer core–shell architecture for anticancer drug delivery. *Journal of Materials Chemistry*, **2008**, 18, 5104		105
1	In vivo selection of phage sequences and characterization of peptide-specific binding to breast cancer cells. *Chinese Journal of Clinical Oncology*, **2008**, 5, 128-131		1