

# Yuguang Zhao

## List of Publications by Year in descending order

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47  
papers

6,570  
citations

201674

27  
h-index

206112

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53  
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53  
docs citations

53  
times ranked

13220  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structures and therapeutic potential of anti-RBD human monoclonal antibodies against SARS-CoV-2. <i>Theranostics</i> , 2022, 12, 1-17.	10.0	6
2	The antibody response to SARS-CoV-2 Beta underscores the antigenic distance to other variants. <i>Cell Host and Microbe</i> , 2022, 30, 53-68.e12.	11.0	52
3	Virtual Screening Directly Identifies New Fragment-Sized Inhibitors of Carboxylesterase Notum with Nanomolar Activity. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 562-578.	6.4	8
4	Design of a Potent, Selective, and Brain-Penetrant Inhibitor of Wnt-Deactivating Enzyme Notum by Optimization of a Crystallographic Fragment Hit. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 7212-7230.	6.4	9
5	Structural Analysis and Development of Notum Fragment Screening Hits. <i>ACS Chemical Neuroscience</i> , 2022, 13, 2060-2077.	3.5	3
6	The antigenic anatomy of SARS-CoV-2 receptor binding domain. <i>Cell</i> , 2021, 184, 2183-2200.e22.	28.9	331
7	Evidence of escape of SARS-CoV-2 variant B.1.351 from natural and vaccine-induced sera. <i>Cell</i> , 2021, 184, 2348-2361.e6.	28.9	936
8	Reduced neutralization of SARS-CoV-2 B.1.1.7 variant by convalescent and vaccine sera. <i>Cell</i> , 2021, 184, 2201-2211.e7.	28.9	442
9	Antibody evasion by the P.1 strain of SARS-CoV-2. <i>Cell</i> , 2021, 184, 2939-2954.e9.	28.9	519
10	Neutralization potency of monoclonal antibodies recognizing dominant and subdominant epitopes on SARS-CoV-2 Spike is impacted by the B.1.1.7 variant. <i>Immunity</i> , 2021, 54, 1276-1289.e6.	14.3	112
11	Small-molecule inhibitors of carboxylesterase Notum. <i>Future Medicinal Chemistry</i> , 2021, 13, 1001-1015.	2.3	13
12	Structural Insights into Notum Covalent Inhibition. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 11354-11363.	6.4	8
13	Notum deacylates octanoylated ghrelin. <i>Molecular Metabolism</i> , 2021, 49, 101201.	6.5	17
14	Reduced neutralization of SARS-CoV-2 B.1.617 by vaccine and convalescent serum. <i>Cell</i> , 2021, 184, 4220-4236.e13.	28.9	630
15	Scaffold-hopping identifies furano[2,3-d]pyrimidine amides as potent Notum inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126751.	2.2	13
16	Hand-foot-and-mouth disease virus receptor KREMEN1 binds the canyon of Coxsackie Virus A10. <i>Nature Communications</i> , 2020, 11, 38.	12.8	28
17	Structural characterization of melatonin as an inhibitor of the Wnt deacylase Notum. <i>Journal of Pineal Research</i> , 2020, 68, e12630.	7.4	21
18	Caffeine inhibits Notum activity by binding at the catalytic pocket. <i>Communications Biology</i> , 2020, 3, 555.	4.4	11

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19	Neutralizing nanobodies bind SARS-CoV-2 spike RBD and block interaction with ACE2. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 846-854.	8.2	434
20	Screening of a Custom-Designed Acid Fragment Library Identifies 1-Phenylpyrroles and 1-Phenylpyrrolidines as Inhibitors of Notum Carboxylesterase Activity. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9464-9483.	6.4	12
21	Structural basis for the neutralization of SARS-CoV-2 by an antibody from a convalescent patient. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 950-958.	8.2	268
22	5-Phenyl-1,3,4-oxadiazol-2(3 <i>H</i> )-ones Are Potent Inhibitors of Notum Carboxylesterase Activity Identified by the Optimization of a Crystallographic Fragment Screening Hit. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 12942-12956.	6.4	13
23	Broad and strong memory CD4+ and CD8+ T cells induced by SARS-CoV-2 in UK convalescent individuals following COVID-19. <i>Nature Immunology</i> , 2020, 21, 1336-1345.	14.5	1,066
24	Neutralization of SARS-CoV-2 by Destruction of the Prefusion Spike. <i>Cell Host and Microbe</i> , 2020, 28, 445-454.e6.	11.0	298
25	Antiepileptic Drug Carbamazepine Binds to a Novel Pocket on the Wnt Receptor Frizzled-8. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3252-3260.	6.4	20
26	Discovery of 2-phenoxyacetamides as inhibitors of the Wnt-depalmitoleating enzyme NOTUM from an X-ray fragment screen. <i>MedChemComm</i> , 2019, 10, 1361-1369.	3.4	22
27	Structure-Based in Silico Screening Identifies a Potent Ebolavirus Inhibitor from a Traditional Chinese Medicine Library. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2928-2937.	6.4	34
28	Unexpected mode of engagement between enterovirus 71 and its receptor SCARB2. <i>Nature Microbiology</i> , 2019, 4, 414-419.	13.3	73
29	Target Identification and Mode of Action of Four Chemically Divergent Drugs against Ebolavirus Infection. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 724-733.	6.4	66
30	Structure of the Wnt signaling enhancer LYPD6 and its interactions with the Wnt coreceptor LRP6. <i>FEBS Letters</i> , 2018, 592, 3152-3162.	2.8	13
31	Structures of Ebola Virus Glycoprotein Complexes with Tricyclic Antidepressant and Antipsychotic Drugs. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 4938-4945.	6.4	38
32	Ligand-Induced Conformational Change of Insulin-Regulated Aminopeptidase: Insights on Catalytic Mechanism and Active Site Plasticity. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 2963-2972.	6.4	33
33	Stereotyped antibody responses target posttranslationally modified gluten in celiac disease. <i>JCI Insight</i> , 2017, 2, .	5.0	20
34	X-Ray Crystal Structure of the Full Length Human Chitotriosidase (CHIT1) Reveals Features of Its Chitin Binding Domain. <i>PLoS ONE</i> , 2016, 11, e0154190.	2.5	34
35	The crystal structure of human dopamine $\beta$ -hydroxylase at 2.9 Å... resolution. <i>Science Advances</i> , 2016, 2, e1500980.	10.3	80
36	Structure of glycosylated NPC1 luminal domain C reveals insights into NPC1 and Ebola virus interactions. <i>FEBS Letters</i> , 2016, 590, 605-612.	2.8	39

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37	Structure of the Dual-Mode Wnt Regulator Kremen1 and Insight into Ternary Complex Formation with LRP6 and Dickkopf. <i>Structure</i> , 2016, 24, 1599-1605.	3.3	32
38	Toremifene interacts with and destabilizes the Ebola virus glycoprotein. <i>Nature</i> , 2016, 535, 169-172.	27.8	210
39	New insights into the enzymatic mechanism of human chitotriosidase (CHIT1) catalytic domain by atomic resolution X-ray diffraction and hybrid QM/MM. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 1455-1470.	2.5	23
40	Crystal Structure of Insulin-Regulated Aminopeptidase with Bound Substrate Analogue Provides Insight on Antigenic Epitope Precursor Recognition and Processing. <i>Journal of Immunology</i> , 2015, 195, 2842-2851.	0.8	41
41	Poly(A) Binding Protein 1 Enhances Cap-Independent Translation Initiation of Neurovirulence Factor from Avian Herpesvirus. <i>PLoS ONE</i> , 2014, 9, e114466.	2.5	12
42	Lysosome sorting of $\beta$ -glucocerebrosidase by LIMP-2 is targeted by the mannose 6-phosphate receptor. <i>Nature Communications</i> , 2014, 5, 4321.	12.8	78
43	Structural Insights into the Inhibition of Wnt Signaling by Cancer Antigen 5T4/Wnt-Activated Inhibitory Factor 1. <i>Structure</i> , 2014, 22, 612-620.	3.3	42
44	Picornavirus uncoating intermediate captured in atomic detail. <i>Nature Communications</i> , 2013, 4, 1929.	12.8	148
45	Automation of large scale transient protein expression in mammalian cells. <i>Journal of Structural Biology</i> , 2011, 175, 209-215.	2.8	55
46	Critical Role of the Virus-Encoded MicroRNA-155 Ortholog in the Induction of Marek's Disease Lymphomas. <i>PLoS Pathogens</i> , 2011, 7, e1001305.	4.7	157
47	Reduced Neutralization of SARS-CoV-2 B.1.1.7 Variant from Naturally Acquired and Vaccine Induced Antibody Immunity. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2