

# Genwei Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9632910/publications.pdf>

Version: 2024-02-01

22  
papers

595  
citations

516710

16  
h-index

677142

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

740  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated Flow Synthesis of Peptide-PNA Conjugates. ACS Central Science, 2022, 8, 205-213.	11.3	17
2	Rapid de novo discovery of peptidomimetic affinity reagents for human angiotensin converting enzyme 2. Communications Chemistry, 2022, 5, .	4.5	7
3	De Novo Discovery of High-Affinity Peptide Binders for the SARS-CoV-2 Spike Protein. ACS Central Science, 2021, 7, 156-163.	11.3	69
4	Fully automated fast-flow synthesis of antisense phosphorodiamidate morpholino oligomers. Nature Communications, 2021, 12, 4396.	12.8	24
5	An in vivo selection-derived d-peptide for engineering erythrocyte-binding antigens that promote immune tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	6
6	Automated affinity selection for rapid discovery of peptide binders. Chemical Science, 2021, 12, 10817-10824.	7.4	10
7	Discovery of Nucleic Acid Binding Molecules from Combinatorial Biohybrid Nucleobase Peptide Libraries. Journal of the American Chemical Society, 2020, 142, 19642-19651.	13.7	22
8	Selectively Suppressing Tumor Angiogenesis for Targeted Breast Cancer Therapy by Genetically Engineered Phage. Advanced Materials, 2020, 32, e2001260.	21.0	40
9	Towards early monitoring of chemotherapy-induced drug resistance based on single cell metabolomics: Combining single-probe mass spectrometry with machine learning. Analytica Chimica Acta, 2019, 1092, 42-48.	5.4	29
10	Design, Synthesis, and Evaluation of <sup>18</sup> F-Labeled Monoacylglycerol Lipase Inhibitors as Novel Positron Emission Tomography Probes. Journal of Medicinal Chemistry, 2019, 62, 8866-8872.	6.4	22
11	Towards rapid prediction of drug-resistant cancer cell phenotypes: single cell mass spectrometry combined with machine learning. Chemical Communications, 2019, 55, 616-619.	4.1	50
12	Synthesis and Preliminary Evaluations of a Triazole-Cored Antagonist as a PET Imaging Probe ([ <sup>18</sup> F]N2B-0518) for GluN2B Subunit in the Brain. ACS Chemical Neuroscience, 2019, 10, 2263-2275.	3.5	13
13	Design, Synthesis, and Evaluation of Reversible and Irreversible Monoacylglycerol Lipase Positron Emission Tomography (PET) Tracers Using a Tail Switching Strategy on a Piperazinyl Azetidine Skeleton. Journal of Medicinal Chemistry, 2019, 62, 3336-3353.	6.4	28
14	Integrating a generalized data analysis workflow with the Single-probe mass spectrometry experiment for single cell metabolomics. Analytica Chimica Acta, 2019, 1064, 71-79.	5.4	24
15	Anticancer Drug Affects Metabolomic Profiles in Multicellular Spheroids: Studies Using Mass Spectrometry Imaging Combined with Machine Learning. Analytical Chemistry, 2019, 91, 5802-5809.	6.5	31
16	Towards enhanced metabolomic data analysis of mass spectrometry image: Multivariate Curve Resolution and Machine Learning. Analytica Chimica Acta, 2018, 1037, 211-219.	5.4	21
17	Synthesis, pharmacology and preclinical evaluation of <sup>11</sup> C-labeled 1,3-dihydro-2H-benzo[d]imidazole-2-ones for imaging <sup>138</sup> I-dependent transmembrane AMPA receptor regulatory protein. European Journal of Medicinal Chemistry, 2018, 157, 898-908.	5.5	18
18	The fibrinogen-like domain of FREP1 protein is a broad-spectrum malaria transmission-blocking vaccine antigen. Journal of Biological Chemistry, 2017, 292, 11960-11969.	3.4	35

#	ARTICLE	IF	CITATIONS
19	FBN30 in wild <i>Anopheles gambiae</i> functions as a pathogen recognition molecule against clinically circulating <i>Plasmodium falciparum</i> in malaria endemic areas in Kenya. <i>Scientific Reports</i> , 2017, 7, 8577.	3.3	5
20	Targeting mosquito FREP1 with a fungal metabolite blocks malaria transmission. <i>Scientific Reports</i> , 2015, 5, 14694.	3.3	29
21	<i>Anopheles</i> Midgut FREP1 Mediates <i>Plasmodium</i> Invasion. <i>Journal of Biological Chemistry</i> , 2015, 290, 16490-16501.	3.4	55
22	Genome-block expression-assisted association studies discover malaria resistance genes in <i>Anopheles gambiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20675-20680.	7.1	37