

# Hui-Min Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3400817/publications.pdf>

Version: 2024-02-01

17  
papers

1,124  
citations

623734

14  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1732  
citing authors

#	ARTICLE	IF	CITATIONS
1	KIT kinase mutants show unique mechanisms of drug resistance to imatinib and sunitinib in gastrointestinal stromal tumor patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1542-1547.	7.1	345
2	Structural Switch of Lysyl-tRNA Synthetase between Translation and Transcription. <i>Molecular Cell</i> , 2013, 49, 30-42.	9.7	131
3	Epitope Mapping of a 95 kDa Antigen in Complex with Antibody by Solution-Phase Amide Backbone Hydrogen/Deuterium Exchange Monitored by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 7129-7136.	6.5	112
4	Unique domain appended to vertebrate tRNA synthetase is essential for vascular development. <i>Nature Communications</i> , 2012, 3, 681.	12.8	96
5	Enhanced Digestion Efficiency, Peptide Ionization Efficiency, and Sequence Resolution for Protein Hydrogen/Deuterium Exchange Monitored by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 9034-9041.	6.5	84
6	Dispersed disease-causing neomorphic mutations on a single protein promote the same localized conformational opening. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 12307-12312.	7.1	61
7	Simultaneous Reduction and Digestion of Proteins with Disulfide Bonds for Hydrogen/Deuterium Exchange Monitored by Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 1450-1454.	6.5	51
8	Interlaboratory Comparison of Hydrogen-Deuterium Exchange Mass Spectrometry Measurements of the Fab Fragment of NISTmAb. <i>Analytical Chemistry</i> , 2019, 91, 7336-7345.	6.5	44
9	Fc galactosylation follows consecutive reaction kinetics and enhances immunoglobulin G hexamerization for complement activation. <i>MAbs</i> , 2021, 13, 1893427.	5.2	36
10	Structural context for mobilization of a human tRNA synthetase from its cytoplasmic complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8239-8244.	7.1	33
11	Structural and Functional Characterization of a Hole-Hole Homodimer Variant in a Knob-Into-Hole Bispecific Antibody. <i>Analytical Chemistry</i> , 2017, 89, 13494-13501.	6.5	31
12	Drug binding and resistance mechanism of KIT tyrosine kinase revealed by hydrogen/deuterium exchange FTICR mass spectrometry. <i>Protein Science</i> , 2010, 19, 703-715.	7.6	26
13	Nucleotide-induced conformational changes of tetradecameric GroEL mapped by H/D exchange monitored by FT-ICR mass spectrometry. <i>Scientific Reports</i> , 2013, 3, 1247.	3.3	26
14	Absolute Quantitation of Intact Recombinant Antibody Product Variants Using Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 10475-10482.	6.5	20
15	Non-canonical reader modules of BAZ1A promote recovery from DNA damage. <i>Nature Communications</i> , 2017, 8, 862.	12.8	17
16	Probing the Impact of the Knob-into-Hole Mutations on the Structure and Function of a Therapeutic Antibody. <i>Analytical Chemistry</i> , 2020, 92, 1582-1588.	6.5	8
17	Hydrogen-Deuterium Exchange Mass Spectrometry (HDX-MS) Centroid Data Measured between 3.6 Å°C and 25.4 Å°C for the Fab Fragment of NISTmAb. <i>Journal of Research of the National Institute of Standards and Technology</i> , 2019, 124, 1-7.	1.2	3