

# Hyung Jin Cha

## List of Publications by Year in descending order

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25  
papers

292  
citations

933447

10  
h-index

888059

17  
g-index

26  
all docs

26  
docs citations

26  
times ranked

552  
citing authors

#	ARTICLE	IF	CITATIONS
1	Purification of Therapeutic Antibodies Using the Ca <sup>2+</sup> -Dependent Phase-Transition Properties of Calsequestrin. <i>Analytical Chemistry</i> , 2022, 94, 5875-5882.	6.5	5
2	Discovery of direct-acting antiviral agents with a graphene-based fluorescent nanosensor. <i>Science Advances</i> , 2020, 6, eaaz8201.	10.3	16
3	A fluorescent nanobiosensor for the facile analysis of m <sup>6</sup> A RNA demethylase activity. <i>Chemical Communications</i> , 2020, 56, 4716-4719.	4.1	12
4	Crystal Structures of Penicillin-Binding Protein D2 from <i>Listeria monocytogenes</i> and Structural Basis for Antibiotic Specificity. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	6
5	Structural analyses combined with small-angle X-ray scattering reveals that the retention of heme is critical for maintaining the structure of horseradish peroxidase under denaturing conditions. <i>Amino Acids</i> , 2017, 49, 715-723.	2.7	4
6	Role of conserved Met112 residue in the catalytic activity and stability of ketosteroid isomerase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 1322-1327.	2.3	4
7	Contribution of a Low-Barrier Hydrogen Bond to Catalysis Is Not Significant in Ketosteroid Isomerase. <i>Molecules and Cells</i> , 2015, 38, 409-415.	2.6	4
8	Structure of Putrescine Aminotransferase from <i>Escherichia coli</i> Provides Insights into the Substrate Specificity among Class III Aminotransferases. <i>PLoS ONE</i> , 2014, 9, e113212.	2.5	16
9	Structure of the hypothetical protein Ton 1535 from <i>Thermococcus onnurineus</i> NA1 reveals unique structural properties by a left-handed helical turn in normal $\alpha$ -helix protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014, 82, 1072-1078.	2.6	1
10	Crystallization and preliminary X-ray crystallographic analysis of PBPD2 from <i>Listeria monocytogenes</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 535-537.	0.8	1
11	Structural insights into the histidine trimethylation activity of EgtD from <i>Mycobacterium smegmatis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 1098-1103.	2.1	22
12	Three-Dimensional Structures of a Wild-Type Ketosteroid Isomerase and Its Single Mutant in Solution. <i>Science of Advanced Materials</i> , 2014, 6, 2325-2333.	0.7	3
13	Rescue of Deleterious Mutations by the Compensatory Y30F Mutation in Ketosteroid Isomerase. <i>Molecules and Cells</i> , 2013, 36, 39-46.	2.6	9
14	Controlled release of human growth hormone fused with a human hybrid Fc fragment through a nanoporous polymer membrane. <i>Nanoscale</i> , 2013, 5, 4262.	5.6	26
15	The structure of TON1937 from archaeon <i>Thermococcus onnurineus</i> NA1 reveals a eukaryotic HEAT-like architecture. <i>International Journal of Biological Macromolecules</i> , 2013, 61, 433-438.	7.5	3
16	Rapamycin inhibits both motility through down-regulation of p-STAT3 (S727) by disrupting the mTORC2 assembly and peritoneal dissemination in sarcomatoid cholangiocarcinoma. <i>Clinical and Experimental Metastasis</i> , 2013, 30, 177-187.	3.3	24
17	The expression of phospho-AKT1 and phospho-MTOR is associated with a favorable prognosis independent of PTEN expression in intrahepatic cholangiocarcinomas. <i>Modern Pathology</i> , 2012, 25, 131-139.	5.5	53
18	Overexpression of Renal Tumor Antigen Is Associated with Tumor Invasion and Poor Prognosis of Hepatocellular Carcinoma. <i>Annals of Surgical Oncology</i> , 2012, 19, 404-411.	1.5	5

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19	Apoptosis-related mRNA expression profiles of ovarian cancer cell lines following cisplatin treatment. <i>Journal of Gynecologic Oncology</i> , 2010, 21, 255.	2.2	9
20	Structural Insights of the Nucleotide-Dependent Conformational Changes of <i>Thermotoga maritima</i> MutL Using Small-Angle X-ray Scattering Analysis. <i>Journal of Biochemistry</i> , 2009, 145, 199-206.	1.7	8
21	Probing the equilibrium unfolding of ketosteroid isomerase through xenon-perturbed $^1\text{H}/^{15}\text{N}$ multidimensional NMR spectroscopy. <i>Journal of Biomolecular NMR</i> , 2008, 40, 65-70.	2.8	0
22	$^{15}\text{N}$ NMR Relaxation Studies of Y14F Mutant of Ketosteroid Isomerase: The Influence of Mutation on Backbone Mobility. <i>Journal of Biochemistry</i> , 2008, 144, 159-166.	1.7	7
23	NMR Studies on the Equilibrium Unfolding of Ketosteroid Isomerase by Urea. <i>Journal of Biochemistry</i> , 2008, 144, 215-221.	1.7	1
24	Detection of an intermediate during the unfolding process of the dimeric ketosteroid isomerase. <i>FEBS Letters</i> , 2006, 580, 4166-4171.	2.8	12
25	Structural double-mutant cycle analysis of a hydrogen bond network in ketosteroid isomerase from <i>Pseudomonas putida</i> biotype B. <i>Biochemical Journal</i> , 2004, 382, 967-973.	3.7	20