

Jihun Lee

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

3,305
citations

361045

20
h-index

476904

29
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31
all docs

31
docs citations

31
times ranked

5306
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase Separation by Low Complexity Domains Promotes Stress Granule Assembly and Drives Pathological Fibrillization. <i>Cell</i> , 2015, 163, 123-133.	13.5	2,053
2	A therapeutic neutralizing antibody targeting receptor binding domain of SARS-CoV-2 spike protein. <i>Nature Communications</i> , 2021, 12, 288.	5.8	224
3	Higher-order oligomerization promotes localization of SPOP to liquid nuclear speckles. <i>EMBO Journal</i> , 2016, 35, 1254-1275.	3.5	172
4	Activation Profiles and Regulatory Cascades of the Human Kallikrein-related Peptidases. <i>Journal of Biological Chemistry</i> , 2007, 282, 31852-31864.	1.6	135
5	Experimental support for the evolution of symmetric protein architecture from a simple peptide motif. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 126-130.	3.3	101
6	Simplified protein design biased for prebiotic amino acids yields a foldable, halophilic protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2135-2139.	3.3	96
7	Analytical similarity assessment of rituximab biosimilar CT-P10 to reference medicinal product. <i>MAbs</i> , 2018, 10, 380-396.	2.6	50
8	Multiple Weak Linear Motifs Enhance Recruitment and Processivity in SPOP-Mediated Substrate Ubiquitination. <i>Journal of Molecular Biology</i> , 2016, 428, 1256-1271.	2.0	44
9	A Polypeptide Building Block for the β^2 -Trefold Identified by Top-Down Symmetric Deconstruction. <i>Journal of Molecular Biology</i> , 2011, 407, 744-763.	2.0	43
10	Symmetric Primary and Tertiary Structure Mutations within a Symmetric Superfold: A Solution, not a Constraint, to Achieve a Foldable Polypeptide. <i>Journal of Molecular Biology</i> , 2004, 344, 769-780.	2.0	34
11	Identification of a Key Structural Element for Protein Folding Within β^2 -Hairpin Turns. <i>Journal of Molecular Biology</i> , 2003, 328, 951-961.	2.0	33
12	The Interaction between Thermodynamic Stability and Buried Free Cysteines in Regulating the Functional Half-Life of Fibroblast Growth Factor-1. <i>Journal of Molecular Biology</i> , 2009, 393, 113-127.	2.0	33
13	Evaluation of analytical similarity between trastuzumab biosimilar CT-P6 and reference product using statistical analyses. <i>MAbs</i> , 2018, 10, 547-571.	2.6	32
14	Spackling the Crack: Stabilizing Human Fibroblast Growth Factor-1 by Targeting the N and C terminus β^2 -Strand Interactions. <i>Journal of Molecular Biology</i> , 2007, 371, 256-268.	2.0	31
15	A Logical OR Redundancy within the Asx-Pro-Asx-Gly Type I β^2 -Turn Motif. <i>Journal of Molecular Biology</i> , 2008, 377, 1251-1264.	2.0	24
16	Designing proteins from simple motifs: opportunities in Top-Down Symmetric Deconstruction. <i>Current Opinion in Structural Biology</i> , 2012, 22, 442-450.	2.6	24
17	An empirical phase diagram approach to investigate conformational stability of second-generation functional mutants of acidic fibroblast growth factor-1. <i>Protein Science</i> , 2012, 21, 418-432.	3.1	24
18	Redesigning symmetry-related mini-core regions of FGF-1 to increase primary structure symmetry: Thermodynamic and functional consequences of structural symmetry. <i>Protein Science</i> , 2005, 14, 2315-2323.	3.1	23

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19	Analysis of the Dynamics of Assembly and Structural Impact for a Histidine Tagged FGF1~1.5 nm Au Nanoparticle Bioconjugate. <i>Bioconjugate Chemistry</i> , 2009, 20, 2106-2113.	1.8	22
20	Structural Basis of Conserved Cysteine in the Fibroblast Growth Factor Family: Evidence for a Vestigial Half-Cystine. <i>Journal of Molecular Biology</i> , 2009, 393, 128-139.	2.0	21
21	Experimental support for the foldability~function tradeoff hypothesis: Segregation of the folding nucleus and functional regions in fibroblast growth factor~1. <i>Protein Science</i> , 2012, 21, 1911-1920.	3.1	21
22	Emergence of symmetric protein architecture from a simple peptide motif: evolutionary models. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 3999-4006.	2.4	19
23	Alternative Folding Nuclei Definitions Facilitate the Evolution of a Symmetric Protein Fold from a Smaller Peptide Motif. <i>Structure</i> , 2013, 21, 2042-2050.	1.6	13
24	Ab initio folding of a trefoil~fold motif reveals structural similarity with a ~propeller blade motif. <i>Protein Science</i> , 2020, 29, 1172-1185.	3.1	12
25	Sequence swapping does not result in conformation swapping for the ~4/~5 and ~8/~9 ~hairpin turns in human acidic fibroblast growth factor. <i>Protein Science</i> , 2005, 14, 351-359.	3.1	7
26	Conversion of type I 4:6 to 3:5 ~2-turn types in human acidic fibroblast growth factor: Effects upon structure, stability, folding, and mitogenic function. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 62, 686-697.	1.5	5
27	Engineering an improved crystal contact across a solvent-mediated interface of human fibroblast growth factor 1. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 1136-1140.	0.7	4
28	X-ray structure and biophysical properties of rabbit fibroblast growth factor 1. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 1097-1104.	0.7	1
29	The Role of Protein Disorder and Self-Association in the Formation of Cellular Bodies. <i>Biophysical Journal</i> , 2015, 108, 6a.	0.2	1
30	The Role of Higher-Order SPOP Oligomers for Localization to Cellular ~Bodies~ and Ubiquitination Activity. <i>Biophysical Journal</i> , 2015, 108, 390a.	0.2	0