

Jin Hae Kim

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

634
citations

13
h-index

19
g-index

19
ext. papers

718
ext. citations

7.8
avg, IF

3.98
L-index

#	Paper	IF	Citations
19	Aggregation-Prone Structural Ensembles of Transthyretin Collected With Regression Analysis for NMR Chemical Shift. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 766830	5.6	1
18	Diphenyl-Methane Based Thyromimetic Inhibitors for Transthyretin Amyloidosis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
17	Transthyretin Misfolding, A Fatal Structural Pathogenesis Mechanism. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
16	The cytotoxicity of gallium maltolate in glioblastoma cells is enhanced by metformin through combined action on mitochondrial complex 1. <i>Oncotarget</i> , 2020 , 11, 1531-1544	3.3	4
15	Mechanistic basis for the recognition of a misfolded protein by the molecular chaperone Hsp90. <i>Nature Structural and Molecular Biology</i> , 2017 , 24, 407-413	17.6	34
14	Structure of Monomeric Transthyretin Carrying the Clinically Important T119M Mutation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 16168-16171	16.4	10
13	Dynamical Structures of Hsp70 and Hsp70-Hsp40 Complexes. <i>Structure</i> , 2016 , 24, 1014-30	5.2	71
12	Tangled web of interactions among proteins involved in iron-sulfur cluster assembly as unraveled by NMR, SAXS, chemical crosslinking, and functional studies. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 1416-28	4.9	30
11	Role of IscX in iron-sulfur cluster biogenesis in Escherichia coli. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7933-42	16.4	47
10	The specialized Hsp70 (HscA) interdomain linker binds to its nucleotide-binding domain and stimulates ATP hydrolysis in both cis and trans configurations. <i>Biochemistry</i> , 2014 , 53, 7148-59	3.2	20
9	Nucleotide-dependent interactions within a specialized Hsp70/Hsp40 complex involved in Fe-S cluster biogenesis. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11586-9	16.4	20
8	pH-induced conformational change of IscU at low pH correlates with protonation/deprotonation of two conserved histidine residues. <i>Biochemistry</i> , 2014 , 53, 5290-7	3.2	6
7	Metamorphic protein IscU alternates conformations in the course of its role as the scaffold protein for iron-sulfur cluster biosynthesis and delivery. <i>FEBS Letters</i> , 2013 , 587, 1172-9	3.8	57
6	Human mitochondrial chaperone (mtHSP70) and cysteine desulfurase (NFS1) bind preferentially to the disordered conformation, whereas co-chaperone (HSC20) binds to the structured conformation of the iron-sulfur cluster scaffold protein (ISCU). <i>Journal of Biological Chemistry</i> , 2013 , 288, 28755-70	5.4	44
5	[2Fe-2S]-ferredoxin binds directly to cysteine desulfurase and supplies an electron for iron-sulfur cluster assembly but is displaced by the scaffold protein or bacterial frataxin. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8117-20	16.4	76
4	Three-dimensional structure and determinants of stability of the iron-sulfur cluster scaffold protein IscU from Escherichia coli. <i>Biochemistry</i> , 2012 , 51, 5557-63	3.2	34
3	Specialized Hsp70 chaperone (HscA) binds preferentially to the disordered form, whereas J-protein (HscB) binds preferentially to the structured form of the iron-sulfur cluster scaffold protein (IscU). <i>Journal of Biological Chemistry</i> , 2012 , 287, 31406-13	5.4	37

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| 2 | Disordered form of the scaffold protein IscU is the substrate for iron-sulfur cluster assembly on cysteine desulfurase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 454-9 | 11.5 | 62 |
| 1 | Structure and dynamics of the iron-sulfur cluster assembly scaffold protein IscU and its interaction with the cochaperone HscB. <i>Biochemistry</i> , 2009 , 48, 6062-71 | 3.2 | 73 |