Young-Ho Lee

List of Publications by Year in descending order

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54 papers	4,030 citations	257450 24 h-index	168389 53 g-index
59 all docs	59 docs citations	59 times ranked	6266 citing authors

#	Article	IF	Citations
1	Targeting Î±â€synuclein aggregation and its role in mitochondrial dysfunction in Parkinson's disease. British Journal of Pharmacology, 2022, 179, 23-45.	5.4	29
2	A hybrid strategy combining solution NMR spectroscopy and isothermal titration calorimetry to characterize protein-nanodisc interaction. Analytical Biochemistry, 2022, 639, 114521.	2.4	5
3	Bean Extract-Based Gargle for Efficient Diagnosis of Active COVID-19 Infection Using Rapid Antigen Tests. Microbiology Spectrum, 2022, 10, e0161421.	3.0	4
4	Biophysical processes underlying cross-seeding in amyloid aggregation and implications in amyloid pathology. Biophysical Chemistry, 2021, 269, 106507.	2.8	101
5	Impact of sphingosine and acetylsphingosines on the aggregation and toxicity of metal-free and metal-treated amyloid-Î². Chemical Science, 2021, 12, 2456-2466.	7.4	9
6	Crystal structure of higher plant heme oxygenase-1 and its mechanism of interaction with ferredoxin. Journal of Biological Chemistry, 2021, 296, 100217.	3.4	7
7	17O NMR Spectroscopy: A Novel Probe for Characterizing Protein Structure and Folding. Biology, 2021, 10, 453.	2.8	6
8	Ca2+ Regulates ERp57-Calnexin Complex Formation. Molecules, 2021, 26, 2853.	3.8	6
9	Graphene Quantum Dots Alleviate Impaired Functions in Niemann-Pick Disease Type C in Vivo. Nano Letters, 2021, 21, 2339-2346.	9.1	17
10	Aggregation-Prone Structural Ensembles of Transthyretin Collected With Regression Analysis for NMR Chemical Shift. Frontiers in Molecular Biosciences, 2021, 8, 766830.	3.5	2
11	Functional Interplay between P5 and PDI/ERp72 to Drive Protein Folding. Biology, 2021, 10, 1112.	2.8	2
12	Molecular Effects of Elongation Factor Ts and Trigger Factor on the Unfolding and Aggregation of Elongation Factor Tu Induced by the Prokaryotic Molecular Chaperone Hsp33. Biology, 2021, 10, 1171.	2.8	2
13	The Protein Disulfide Isomerase Family: from proteostasis to pathogenesis. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129338.	2.4	66
14	Key Physicochemical and Biological Factors of the Phase Behavior of Tau. CheM, 2020, 6, 2924-2963.	11.7	13
15	The novel DYRK1A inhibitor KVN93 regulates cognitive function, amyloid-beta pathology, and neuroinflammation. Free Radical Biology and Medicine, 2020, 160, 575-595.	2.9	19
16	Development of a Polo-like Kinase-1 Polo-Box Domain Inhibitor as a Tumor Growth Suppressor in Mice Models. Journal of Medicinal Chemistry, 2020, 63, 14905-14920.	6.4	16
17	Small molecule induced toxic human-IAPP species characterized by NMR. Chemical Communications, 2020, 56, 13129-13132.	4.1	21
18	Diverse Structural Conversion and Aggregation Pathways of AlzheimerÊ¼s Amyloid-Î² (1â€“40). ACS Nano, 2019, 13, 8766-8783.	14.6	33

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19	Zinc boosts EGCG's hIAPP amyloid Inhibition both in solution and membrane. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 529-536.	2.3	32
20	Semenâ€derived amyloidogenic peptidesâ€"Key players of HIV infection. Protein Science, 2018, 27, 1151-1165.	7.6	15
21	Membrane-induced initial structure of Î±-synuclein control its amyloidogenesis on model membranes. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 757-766.	2.6	33
22	Impact of membrane curvature on amyloid aggregation. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1741-1764.	2.6	88
23	Energy landscape of polymorphic amyloid generation of Î²2-microglobulin revealed by calorimetry. Chemical Communications, 2018, 54, 7995-7998.	4.1	14
24	Graphene quantum dots prevent Î±-synucleinopathy in Parkinsonâ€™s disease. Nature Nanotechnology, 2018, 13, 812-818.	31.5	339
25	Structural basis of the correct subunit assembly, aggregation, and intracellular degradation of nylon hydrolase. Scientific Reports, 2018, 8, 9725.	3.3	7
26	BeStSel: a web server for accurate protein secondary structure prediction and fold recognition from the circular dichroism spectra. Nucleic Acids Research, 2018, 46, W315-W322.	14.5	771
27	Reduced Lipid Bilayer Thickness Regulates the Aggregation and Cytotoxicity of Amyloid-Î². Journal of Biological Chemistry, 2017, 292, 4638-4650.	3.4	145
28	Kinetics and polymorphs of yeast prion Sup35NM amyloidogenesis. International Journal of Biological Macromolecules, 2017, 102, 1241-1249.	7.5	3
29	Mechanistic and structural basis of bioengineered bovine Cathelicidin-5 with optimized therapeutic activity. Scientific Reports, 2017, 7, 44781.	3.3	10
30	Energetic basis on interactions between ferredoxin and ferredoxin NADP + reductase at varying physiological conditions. Biochemical and Biophysical Research Communications, 2017, 482, 909-915.	2.1	5
31	Model membrane size-dependent amyloidogenesis of Alzheimer's amyloid-Î² peptides. Physical Chemistry Chemical Physics, 2017, 19, 16257-16266.	2.8	42
32	Biochemical and Biophysical Methods to Examine the Effects of Site-Directed Mutagenesis on Enzymatic Activities and Interprotein Interactions. Methods in Molecular Biology, 2017, 1498, 439-460.	0.9	0
33	Non-covalent forces tune the electron transfer complex between ferredoxin and sulfite reductase to optimize enzymatic activity. Biochemical Journal, 2016, 473, 3837-3854.	3.7	12
34	Amorphous Aggregation of Cytochrome c with Inherently Low Amyloidogenicity Is Characterized by the Metastability of Supersaturation and the Phase Diagram. Langmuir, 2016, 32, 2010-2022.	3.5	22
35	Accurate secondary structure prediction and fold recognition for circular dichroism spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3095-103.	7.1	1,215
36	Small Liposomes Accelerate the Fibrillation of Amyloid Î² (1â€"40). Journal of Biological Chemistry, 2015, 290, 815-826.	3.4	78

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37	Physicochemical nature of interfaces controlling ferredoxin NADP+ reductase activity through its interprotein interactions with ferredoxin. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 1200-1211.	1.0	15
38	Ultrasonication-dependent formation and degradation of Î±-synuclein amyloid fibrils. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 209-217.	2.3	21
39	NMR Characterization of the Interaction of the Endonuclease Domain of MutL with Divalent Metal Ions and ATP. PLoS ONE, 2014, 9, e98554.	2.5	7
40	Fineâ€tuned broad binding capability of human lipocalinâ€type prostaglandin D synthase for various small lipophilic ligands. FEBS Letters, 2014, 588, 962-969.	2.8	16
41	Heat of supersaturation-limited amyloid burst directly monitored by isothermal titration calorimetry. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6654-6659.	7.1	82
42	Cold Denaturation of Î±â€Synuclein Amyloid Fibrils. Angewandte Chemie - International Edition, 2014, 53, 7799-7804.	13.8	72
43	Solubility and Supersaturation-Dependent Protein Misfolding Revealed by Ultrasonication. Langmuir, 2014, 30, 1845-1854.	3.5	37
44	Supersaturation-limited Amyloid Fibrillation of Insulin Revealed by Ultrasonication. Journal of Biological Chemistry, 2014, 289, 18228-18238.	3.4	45
45	Three-dimensional Structure of Nylon Hydrolase and Mechanism of Nylon-6 Hydrolysis. Journal of Biological Chemistry, 2012, 287, 5079-5090.	3.4	48
46	Kinetic intermediates of amyloid fibrillation studied by hydrogen exchange methods with nuclear magnetic resonance. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 1307-1323.	2.3	25
47	Distinguishing crystal-like amyloid fibrils and glass-like amorphous aggregates from their kinetics of formation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14446-14451.	7.1	256
48	The Monomerâ€“Seed Interaction Mechanism in the Formation of the Î²2-Microglobulin Amyloid Fibril Clarified by Solution NMR Techniques. Journal of Molecular Biology, 2012, 422, 390-402.	4.2	35
49	Reversible Heat-Induced Dissociation of Î²₂-Microglobulin Amyloid Fibrils. Biochemistry, 2011, 50, 3211-3220.	2.5	52
50	Binding Energetics of Ferredoxinâ€NADP⁺ Reductase with Ferredoxin and Its Relation to Function. ChemBioChem, 2011, 12, 2062-2070.	2.6	30
51	Direct observation of minimumâ€sized amyloid fibrils using solution NMR spectroscopy. Protein Science, 2010, 19, 2347-2355.	7.6	19
52	A Comprehensive Model for Packing and Hydration for Amyloid Fibrils of Î²2-Microglobulin. Journal of Biological Chemistry, 2009, 284, 2169-2175.	3.4	52
53	Cores and pH-dependent Dynamics of Ferredoxin-NADP+ Reductase Revealed by Hydrogen/Deuterium Exchange. Journal of Biological Chemistry, 2007, 282, 5959-5967.	3.4	23
54	Dual Effects of Presynaptic Membrane Mimetics on Î±-Synuclein Amyloid Aggregation. Frontiers in Cell and Developmental Biology, 0, 10, .	3.7	2