

Liping Yu

List of Publications by Year in descending order

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74
papers

3,916
citations

136885

32
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123376

61
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78
all docs

78
docs citations

78
times ranked

5672
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Characterization of a Soluble Amyloid β -Peptide Oligomer. <i>Biochemistry</i> , 2009, 48, 1870-1877.	1.2	331
2	α -Mannosyl Phosphorylation of Alpha-Dystroglycan Is Required for Laminin Binding. <i>Science</i> , 2010, 327, 88-92.	6.0	312
3	Dystroglycan Function Requires Xylosyl- and Glucuronyltransferase Activities of LARGE. <i>Science</i> , 2012, 335, 93-96.	6.0	264
4	Structure of the N-Terminal RNA-Binding Domain of the SARS CoV Nucleocapsid Protein. <i>Biochemistry</i> , 2004, 43, 6059-6063.	1.2	210
5	Solution structure of the cyclosporin A/cyclophilin complex by NMR. <i>Nature</i> , 1993, 361, 88-91.	13.7	203
6	SGK196 Is a Glycosylation-Specific α -Mannose Kinase Required for Dystroglycan Function. <i>Science</i> , 2013, 341, 896-899.	6.0	197
7	Inhibition of MCU forces extramitochondrial adaptations governing physiological and pathological stress responses in heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9129-9134.	3.3	140
8	Nuclear Magnetic Resonance Structural Studies of a Potassium Channel γ -Charybdotoxin Complex. <i>Biochemistry</i> , 2005, 44, 15834-15841.	1.2	123
9	WD40 Repeat Propellers Define a Ubiquitin-Binding Domain that Regulates Turnover of F Box Proteins. <i>Molecular Cell</i> , 2010, 40, 433-443.	4.5	114
10	Solution structure of the ets domain of Fli-1 when bound to DNA. <i>Nature Structural and Molecular Biology</i> , 1994, 1, 871-876.	3.6	103
11	The glucuronyltransferase B4GAT1 is required for initiation of LARGE-mediated β -dystroglycan functional glycosylation. <i>ELife</i> , 2014, 3, .	2.8	96
12	Nicotinamide Riboside Is a Major NAD ⁺ Precursor Vitamin in Cow Milk. <i>Journal of Nutrition</i> , 2016, 146, 957-963.	1.3	90
13	Structural basis of laminin binding to the LARGE glycans on dystroglycan. <i>Nature Chemical Biology</i> , 2016, 12, 810-814.	3.9	88
14	Solution structure of an rRNA methyltransferase (ErmAM) that confers macrolide-lincosamide-streptogramin antibiotic resistance. <i>Nature Structural Biology</i> , 1997, 4, 483-489.	9.7	84
15	The Yeast Alix Homolog Bro1 Functions as a Ubiquitin Receptor for Protein Sorting into Multivesicular Endosomes. <i>Developmental Cell</i> , 2013, 25, 520-533.	3.1	83
16	Discovery of Aminoglycoside Mimetics by NMR-Based Screening of Escherichia coli A-site RNA. <i>Journal of the American Chemical Society</i> , 2003, 125, 4444-4450.	6.6	82
17	Backbone Dynamics of the C-Terminal Domain of Escherichia coli Topoisomerase I in the Absence and Presence of Single-Stranded DNA. <i>Biochemistry</i> , 1996, 35, 9661-9666.	1.2	78
18	Structural and Energetic Determinants of Apo Calmodulin Binding to the IQ Motif of the NaV1.2 Voltage-Dependent Sodium Channel. <i>Structure</i> , 2011, 19, 733-747.	1.6	78

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19	Myopathic Lamin Mutations Cause Reductive Stress and Activate the Nrf2/Keap-1 Pathway. <i>PLoS Genetics</i> , 2015, 11, e1005231.	1.5	71
20	Discovery of a novel small molecule binding site of human survivin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 3122-3129.	1.0	69
21	Small-molecule inhibitors identify the RAD52-ssDNA interaction as critical for recovery from replication stress and for survival of BRCA2 deficient cells. <i>ELife</i> , 2016, 5, .	2.8	64
22	O-antigen and Core Carbohydrate of <i>Vibrio fischeri</i> Lipopolysaccharide. <i>Journal of Biological Chemistry</i> , 2012, 287, 8515-8530.	1.6	57
23	Regulation of ATP production: dependence on calcium concentration and respiratory state. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 313, C146-C153.	2.1	57
24	Evidence of a Specific Interaction between New Synthetic Antisepsis Agents and CD14. <i>Biochemistry</i> , 2009, 48, 12337-12344.	1.2	54
25	Solution structure of the C-terminal single-stranded DNA-binding domain of <i>Escherichia coli</i> topoisomerase I. <i>Biochemistry</i> , 1995, 34, 7622-7628.	1.2	51
26	NMR-Driven Discovery of Benzoylanthranilic Acid Inhibitors of Far Upstream Element Binding Protein Binding to the Human Oncogene c-myc Promoter. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 4851-4857.	2.9	43
27	An unprecedented mechanism of nucleotide methylation in organisms containing <i>thyX</i> . <i>Science</i> , 2016, 351, 507-510.	6.0	43
28	Purified monomeric ligand.MD-2 complexes reveal molecular and structural requirements for activation and antagonism of TLR4 by Gram-negative bacterial endotoxins. <i>Immunologic Research</i> , 2014, 59, 3-11.	1.3	42
29	Dietary fat, fatty acid saturation and mitochondrial bioenergetics. <i>Journal of Bioenergetics and Biomembranes</i> , 2014, 46, 33-44.	1.0	41
30	Heteronuclear NMR studies of ¹³ C-labeled yeast cell wall β -glucan oligosaccharides. <i>Journal of Biomolecular NMR</i> , 1993, 3, 429-41.	1.6	40
31	NMR Studies of Hexaacylated Endotoxin Bound to Wild-type and F126A Mutant MD-2 and MD-2 Δ TLR4 Ectodomain Complexes. <i>Journal of Biological Chemistry</i> , 2012, 287, 16346-16355.	1.6	40
32	A Mitochondrial-Targeted Coenzyme Q Analog Prevents Weight Gain and Ameliorates Hepatic Dysfunction in High-Fat Fed Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 351, 699-708.	1.3	39
33	Structure of protein O-mannose kinase reveals a unique active site architecture. <i>ELife</i> , 2016, 5, .	2.8	33
34	pH Titration of the histidine residues of cyclophilin and FK506 binding protein in the absence and presence of immunosuppressant ligands. <i>BBA - Proteins and Proteomics</i> , 1994, 1209, 24-32.	2.1	32
35	Recognition of ¹²⁵ I-calcineurin by the domains of calmodulin: Thermodynamic and structural evidence for distinct roles. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 765-786.	1.5	30
36	Oxaloacetic acid mediates ADP-dependent inhibition of mitochondrial complex II-driven respiration. <i>Journal of Biological Chemistry</i> , 2018, 293, 19932-19941.	1.6	30

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37	Mitochondrial Function in Diabetes: Novel Methodology and New Insight. <i>Diabetes</i> , 2013, 62, 1833-1842.	0.3	29
38	Structural Studies of Bcl-xL/ligand Complexes using 19F NMR. <i>Journal of Biomolecular NMR</i> , 2006, 34, 221-227.	1.6	27
39	Allosteric effects of the antipsychotic drug trifluoperazine on the energetics of calcium binding by calmodulin. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 2265-2282.	1.5	26
40	Calcium triggers reversal of calmodulin on nested anti-parallel sites in the IQ motif of the neuronal voltage-dependent sodium channel Na V 1.2. <i>Biophysical Chemistry</i> , 2017, 224, 1-19.	1.5	24
41	DSS1 interacts with and stimulates RAD52 to promote the repair of DSBs. <i>Nucleic Acids Research</i> , 2020, 48, 694-708.	6.5	24
42	Solution structure and function of a conserved protein SP14.3 encoded by an essential <i>Streptococcus pneumoniae</i> gene 11 Edited by M. F. Summers. <i>Journal of Molecular Biology</i> , 2001, 311, 593-604.	2.0	22
43	Estimated pKa values for specific amino acid residues in daptomycin. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 4225-4233.	1.6	22
44	Distinct Roles for Conformational Dynamics in Protein-Ligand Interactions. <i>Structure</i> , 2016, 24, 2053-2066.	1.6	21
45	Solution structure and function of an essential CMP kinase of <i>Streptococcus pneumoniae</i> . <i>Protein Science</i> , 2009, 12, 2613-2621.	3.1	19
46	POMK regulates dystroglycan function via LARGE1-mediated elongation of matriglycan. <i>ELife</i> , 2020, 9, .	2.8	19
47	From Bacterial Genomes to Novel Antibacterial Agents: Discovery, Characterization, and Antibacterial Activity of Compounds that Bind to HI0065 (YjeE) from <i>Haemophilus influenzae</i> . <i>Chemical Biology and Drug Design</i> , 2007, 69, 395-404.	1.5	17
48	Unique structural features of the AIPL1â€“FKBP domain that support prenyl lipid binding and underlie protein malfunction in blindness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6536-E6545.	3.3	16
49	Modulation of complex II energized respiration in muscle, heart, and brown adipose mitochondria by oxaloacetate and complex I electron flow. <i>FASEB Journal</i> , 2019, 33, 11696-11705.	0.2	15
50	Voltage-Dependent Regulation of Complex II Energized Mitochondrial Oxygen Flux. <i>PLoS ONE</i> , 2016, 11, e0154982.	1.1	13
51	The molecular basis of selective DNA binding by the BRG1 AT-hook and bromodomain. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2020, 1863, 194566.	0.9	13
52	Interaction of the tetratricopeptide repeat domain of aryl hydrocarbon receptorâ€“interacting proteinâ€“like 1 with the regulatory PI ³ subunit of phosphodiesterase 6. <i>Journal of Biological Chemistry</i> , 2019, 294, 15795-15807.	1.6	11
53	Solution structure and calciumâ€“binding properties of EFâ€“hands 3 and 4 of calsenilin. <i>Protein Science</i> , 2007, 16, 2502-2509.	3.1	10
54	Simultaneous Quantification of Mitochondrial ATP and ROS Production. <i>Methods in Molecular Biology</i> , 2015, 1264, 149-159.	0.4	10

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55	NMR resonance assignments of the FKBP domain of human aryl hydrocarbon receptor-interacting protein-like 1 (AIPL1) in complex with a farnesyl ligand. <i>Biomolecular NMR Assignments</i> , 2017, 11, 111-115.	0.4	9
56	Conformational Dynamics and Cooperativity Drive the Specificity of a Protein-Ligand Interaction. <i>Biophysical Journal</i> , 2019, 116, 2314-2330.	0.2	8
57	Interactions of ubiquitin and CHMP5 with the V domain of HD-PTP reveals role for regulation of Vps4 ATPase. <i>Molecular Biology of the Cell</i> , 2021, 32, ar42.	0.9	8
58	Impaired utilization of membrane potential by complex II-energized mitochondria of obese, diabetic mice assessed using ADP recycling methodology. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R756-R763.	0.9	7
59	Effect of mitoquinone on liver metabolism and steatosis in obese and diabetic rats. <i>Pharmacology Research and Perspectives</i> , 2021, 9, e00701.	1.1	7
60	Oxaloacetate Mediates Mitochondrial Metabolism and Function. <i>Current Metabolomics and Systems Biology</i> , 2020, 7, 11-23.	0.6	5
61	An Atomistic Understanding of Allosteric Inhibition of Glutamate Racemase: a Dampening of Native Activation Dynamics. <i>ChemMedChem</i> , 2020, 15, 376-384.	1.6	4
62	Membrane potential-dependent regulation of mitochondrial complex II by oxaloacetate in interscapular brown adipose tissue. <i>FASEB BioAdvances</i> , 2022, 4, 197-210.	1.3	4
63	NMR resonance assignments of the TPR domain of human aryl hydrocarbon receptor-interacting protein-like 1 (AIPL1). <i>Biomolecular NMR Assignments</i> , 2019, 13, 79-83.	0.4	3
64	Calmodulin Regulation of the Neuronal Voltage-Dependent Sodium Channel. <i>Biophysical Journal</i> , 2010, 98, 310a.	0.2	2
65	Fragment-Based Nuclear Magnetic Resonance Screen against a Regulator of G Protein Signaling Identifies a Binding "Hot Spot". <i>ChemBioChem</i> , 2021, 22, 1609-1620.	1.3	2
66	ANTH domains within CALM, HIP1R, and Sla2 recognize ubiquitin internalization signals. <i>ELife</i> , 2021, 10, .	2.8	2
67	Calcium-Mediated Tailspin of Calmodulin on the IQ Motif of the Neuronal Voltage-Dependent Sodium Channel Nav1.2. <i>Biophysical Journal</i> , 2013, 104, 14a.	0.2	1
68	Calcium-Mediated Reversal of CaM on the Nav 1.2 IQ Motif: Nested Anti-Parallel Sites. <i>Biophysical Journal</i> , 2014, 106, 48a.	0.2	1
69	Backbone and side-chain NMR assignments for the C-terminal domain of mammalian Vps28. <i>Biomolecular NMR Assignments</i> , 2015, 9, 21-24.	0.4	1
70	NMR resonance assignments of the DNA binding domain of mouse Junctophilin-2. <i>Biomolecular NMR Assignments</i> , 0, , .	0.4	1
71	Structure of the N-terminal region of Haemophilus influenzae H10017: implications for function. <i>Journal of Biomolecular NMR</i> , 2001, 20, 105-110.	1.6	0
72	Backbone and side-chain resonance assignments of (Ca ²⁺) ₄ "calmodulin bound to beta calcineurin A CaMBD peptide. <i>Biomolecular NMR Assignments</i> , 2017, 11, 275-280.	0.4	0

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73	Simultaneous Quantification of Mitochondrial ATP and Using ATP Methodology. <i>Methods in Molecular Biology</i> , 2021, 2276, 271-283.	0.4	0
74	Mechanism of Nicotinamide Riboside as an Aid to Weight Loss. <i>FASEB Journal</i> , 2015, 29, 717.19.	0.2	0