

Yih-Cherng Liou

List of Publications by Year in descending order

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86
papers

6,054
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87888

38
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71685

76
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92
all docs

92
docs citations

92
times ranked

7202
citing authors

#	ARTICLE	IF	CITATIONS
1	ALS motor neurons exhibit hallmark metabolic defects that are rescued by SIRT3 activation. <i>Cell Death and Differentiation</i> , 2021, 28, 1379-1397.	11.2	43
2	Functions of outer mitochondrial membrane proteins: mediating the crosstalk between mitochondrial dynamics and mitophagy. <i>Cell Death and Differentiation</i> , 2021, 28, 827-842.	11.2	59
3	The redox language in neurodegenerative diseases: oxidative post-translational modifications by hydrogen peroxide. <i>Cell Death and Disease</i> , 2021, 12, 58.	6.3	68
4	The pathogenesis and diagnosis of sepsis post burn injury. <i>Burns and Trauma</i> , 2021, 9, tkaa047.	4.9	63
5	Importance of Mitochondrial Quality Control in Parkinson's Disease: The Potential Interplay of Mitochondrial Unfolded Protein Response and Mitophagy. , 2021, , 103-131.		0
6	Hyaluronan-Mediated Motility Receptor Governs Chromosome Segregation by Regulating Microtubules Sliding Within the Bridging Fiber. <i>Advanced Biology</i> , 2021, 5, 2000493.	2.5	1
7	Photodynamic therapy accelerates skin wound healing through promoting re-epithelialization. <i>Burns and Trauma</i> , 2021, 9, tlab008.	4.9	18
8	Redox-sensitive cyclophilin A elicits chemoresistance through realigning cellular oxidative status in colorectal cancer. <i>Cell Reports</i> , 2021, 37, 110069.	6.4	23
9	Unraveling Heterogeneity in Transcriptome and Its Regulation Through Single-Cell Multi-Omics Technologies. <i>Frontiers in Genetics</i> , 2020, 11, 662.	2.3	18
10	STX17 dynamically regulated by Fis1 induces mitophagy via hierarchical macroautophagic mechanism. <i>Nature Communications</i> , 2019, 10, 2059.	12.8	90
11	Loss of MIEF1/MiD51 confers susceptibility to BAX-mediated cell death and PINK1-PRKN-dependent mitophagy. <i>Autophagy</i> , 2019, 15, 2107-2125.	9.1	34
12	Poly(ADP-ribosyl)ation of OVOL2 regulates aneuploidy and cell death in cancer cells. <i>Oncogene</i> , 2019, 38, 2750-2766.	5.9	8
13	STX17 dynamically regulated by Fis1 induces mitophagy via hierarchical macroautophagic mechanism. <i>FASEB Journal</i> , 2019, 33, .	0.5	0
14	Prolyl isomerization of the CENP-A N-terminus regulates centromeric integrity in fission yeast. <i>Nucleic Acids Research</i> , 2018, 46, 1167-1179.	14.5	12
15	Gears-In-Motion: The Interplay of WW and PPlase Domains in Pin1. <i>Frontiers in Oncology</i> , 2018, 8, 469.	2.8	21
16	PTEN-L is a novel protein phosphatase for ubiquitin dephosphorylation to inhibit PINK1-Parkin-mediated mitophagy. <i>Cell Research</i> , 2018, 28, 787-802.	12.0	124
17	The microtubule-associated protein HURP recruits the centrosomal protein TACC3 to regulate K-fiber formation and support chromosome congression. <i>Journal of Biological Chemistry</i> , 2018, 293, 15733-15747.	3.4	6
18	Poly(ADP-ribosyl)ation of OVOL2 regulates aneuploidy and cell death in cancer cells. <i>FASEB Journal</i> , 2018, 32, .	0.5	0

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19	Sec71 functions as a GEF for the small GTPase Arf1 to govern dendrite pruning of <i>Drosophila</i> sensory neurons. <i>Development (Cambridge)</i> , 2017, 144, 1851-1862.	2.5	28
20	Fishing for key players in ER-mitochondrial contacts. <i>Journal of Biological Chemistry</i> , 2017, 292, 16393-16394.	3.4	2
21	Reactive oxygen species trigger Parkin/PINK1 pathway-dependent mitophagy by inducing mitochondrial recruitment of Parkin. <i>Journal of Biological Chemistry</i> , 2017, 292, 16697-16708.	3.4	166
22	Sec71 functions as a GEF for the small GTPase Arf1 to govern dendrite pruning of <i>Drosophila</i> sensory neurons. <i>Journal of Cell Science</i> , 2017, 130, e1.1-e1.1.	2.0	0
23	Abstract 4487: A critical role of PARylation in regulating the functions of OVOL2. , 2017, , .		0
24	NuSAP modulates the dynamics of kinetochore microtubules by attenuating MCAK depolymerisation activity. <i>Scientific Reports</i> , 2016, 6, 18773.	3.3	31
25	Human and mouse monocytes display distinct signalling and cytokine profiles upon stimulation with FFAR2/FFAR3 short-chain fatty acid receptor agonists. <i>Scientific Reports</i> , 2016, 6, 34145.	3.3	69
26	NuSAP governs chromosome oscillation by facilitating the Kid-generated polar ejection force. <i>Nature Communications</i> , 2016, 7, 10597.	12.8	22
27	Pin1At regulates PIN1 polar localization and root gravitropism. <i>Nature Communications</i> , 2016, 7, 10430.	12.8	50
28	OVOL2, an Inhibitor of WNT Signaling, Reduces Invasive Activities of Human and Mouse Cancer Cells and Is Down-regulated in Human Colorectal Tumors. <i>Gastroenterology</i> , 2016, 150, 659-671.e16.	1.3	51
29	Deterministic Restriction on Pluripotent State Dissolution by Cell-Cycle Pathways. <i>Cell</i> , 2015, 162, 564-579.	28.9	185
30	Death-associated Protein 3 Regulates Mitochondrial-encoded Protein Synthesis and Mitochondrial Dynamics. <i>Journal of Biological Chemistry</i> , 2015, 290, 24961-24974.	3.4	32
31	NuSAP Govern Centrosome Oscillation by Regulating Kif22 Generated Polar Ejection Force. <i>FASEB Journal</i> , 2015, 29, 884.6.	0.5	0
32	NuSAP Stabilizes Kinetochore Microtubules by Attenuating MCAK Depolymerization. <i>FASEB Journal</i> , 2015, 29, 884.7.	0.5	0
33	Endocytic Pathways Downregulate the L1-type Cell Adhesion Molecule Neuroglian to Promote Dendrite Pruning in <i>Drosophila</i> . <i>Developmental Cell</i> , 2014, 30, 463-478.	7.0	83
34	Pin1 acts as a negative regulator of the G2/M transition through an interplay with the Aurora A/hBora complex. <i>Journal of Cell Science</i> , 2013, 126, 4862-72.	2.0	33
35	Regulation of PRDX1 peroxidase activity by Pin1. <i>Cell Cycle</i> , 2013, 12, 944-952.	2.6	20
36	A Cullin1-Based SCF E3 Ubiquitin Ligase Targets the InR/PI3K/TOR Pathway to Regulate Neuronal Pruning. <i>PLoS Biology</i> , 2013, 11, e1001657.	5.6	67

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37	Glycogen synthase kinase 3 β activity is required for hBora/Aurora A-mediated mitotic entry. <i>Cell Cycle</i> , 2013, 12, 953-960.	2.6	16
38	Solution Structural Analysis of the Single-Domain Parvulin TbPin1. <i>PLoS ONE</i> , 2012, 7, e43017.	2.5	7
39	PLK1 Interacts and Phosphorylates Axin That Is Essential for Proper Centrosome Formation. <i>PLoS ONE</i> , 2012, 7, e49184.	2.5	21
40	Dose-dependent mutual regulation between Wip1 and p53 following UVC irradiation. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 535-544.	2.8	8
41	Intrinsic Epigenetic Factors Cooperate with the Steroid Hormone Ecdysone to Govern Dendrite Pruning in <i>Drosophila</i> . <i>Neuron</i> , 2011, 72, 86-100.	8.1	72
42	Prolyl isomerase Pin1 as a molecular switch to determine the fate of phosphoproteins. <i>Trends in Biochemical Sciences</i> , 2011, 36, 501-514.	7.5	290
43	HURP Regulates Chromosome Congression by Modulating Kinesin Kif18A Function. <i>Current Biology</i> , 2011, 21, 1584-1591.	3.9	38
44	Functional characterization of two novel parvulins in <i>Trypanosoma brucei</i> . <i>FEBS Letters</i> , 2010, 584, 2901-2908.	2.8	11
45	Pin1 Facilitates the Phosphorylation-Dependent Ubiquitination of SF-1 To Regulate Gonadotropin β -Subunit Gene Transcription. <i>Molecular and Cellular Biology</i> , 2010, 30, 745-763.	2.3	29
46	Phosphorylation of Mixed Lineage Leukemia 5 by Cdc2 Affects Its Cellular Distribution and Is Required for Mitotic Entry. <i>Journal of Biological Chemistry</i> , 2010, 285, 20904-20914.	3.4	15
47	Active Mek2 as a regulatory scaffold that promotes Pin1 binding to BPGAP1 to suppress BPGAP1-induced acute Erk activation and cell migration. <i>Journal of Cell Science</i> , 2010, 123, 903-916.	2.0	24
48	Pin1At Encoding a Peptidyl-Prolyl cis/trans Isomerase Regulates Flowering Time in <i>Arabidopsis</i> . <i>Molecular Cell</i> , 2010, 37, 112-122.	9.7	40
49	Knowledge-Guided Docking of Flexible Ligands to SH2 Domain Proteins. , 2010, , .		1
50	The role of Wip1 in regulating environmental stress-induced cellular responses. <i>FASEB Journal</i> , 2010, 24, 703.13.	0.5	0
51	Pin1 activates gonadotropin β -subunit gene transcription through its interaction with specific transcriptional factors. <i>FASEB Journal</i> , 2010, 24, 676.2.	0.5	0
52	Pin1 Catalyzes Conformational Changes of Thr-187 in p27Kip1 and Mediates Its Stability through a Polyubiquitination Process. <i>Journal of Biological Chemistry</i> , 2009, 284, 23980-23988.	3.4	42
53	Loss of Wip1 Sensitizes Cells to Stress- and DNA Damage-induced Apoptosis. <i>Journal of Biological Chemistry</i> , 2009, 284, 17428-17437.	3.4	31
54	Knowledge-Guided Docking of WW Domain Proteins and Flexible Ligands. <i>Lecture Notes in Computer Science</i> , 2009, , 175-186.	1.3	1

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55	Neural differentiation and potential use of stem cells from the human umbilical cord for central nervous system transplantation therapy. <i>Journal of Neuroscience Research</i> , 2008, 86, 1670-1679.	2.9	40
56	Liver-specific expression of p53-negative regulator mdm2 leads to growth retardation and fragile liver in zebrafish. <i>Developmental Dynamics</i> , 2008, 237, 1070-1081.	1.8	15
57	Peptide Microarray for High-Throughput Determination of Phosphatase Specificity and Biology. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1698-1702.	13.8	64
58	Rapid Affinity-Based Fingerprinting of 14 ³ Isoforms Using a Combinatorial Peptide Microarray. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7438-7441.	13.8	35
59	Zfp143 Regulates Nanog Through Modulation of Oct4 Binding. <i>Stem Cells</i> , 2008, 26, 2759-2767.	3.2	50
60	Nerve Growth Factor Stimulates Interaction of Cayman Ataxia Protein BNIP-H/Caytaxin with Peptidyl-Prolyl Isomerase Pin1 in Differentiating Neurons. <i>PLoS ONE</i> , 2008, 3, e2686.	2.5	22
61	Pin1 has opposite effects on wild-type and P301L tau stability and tauopathy. <i>Journal of Clinical Investigation</i> , 2008, 118, 1877-89.	8.2	96
62	A Suppressive Role of the Prolyl Isomerase Pin1 in Cellular Apoptosis Mediated by the Death-associated Protein Daxx. <i>Journal of Biological Chemistry</i> , 2007, 282, 36671-36681.	3.4	58
63	Daxx Cooperates with the Axin/HIPK2/p53 Complex to Induce Cell Death. <i>Cancer Research</i> , 2007, 67, 66-74.	0.9	98
64	Proteomics Analysis of the Expression of Neurogranin in Murine Neuroblastoma (Neuro-2a) Cells Reveals Its Involvement for Cell Differentiation. <i>International Journal of Biological Sciences</i> , 2007, 3, 263-273.	6.4	8
65	An evolutionarily conserved 16-kDa thioredoxin-related protein is an antioxidant which regulates the NF- κ B signaling pathway. <i>Free Radical Biology and Medicine</i> , 2007, 42, 247-259.	2.9	31
66	Nitric oxide protects against mitochondrial permeabilization induced by glutathione depletion: Role of S-nitrosylation?. <i>Biochemical and Biophysical Research Communications</i> , 2006, 339, 255-262.	2.1	37
67	Brain-specific BNIP-2-homology protein Caytaxin relocalises glutaminase to neurite terminals and reduces glutamate levels. <i>Journal of Cell Science</i> , 2006, 119, 3337-3350.	2.0	51
68	Prolyl-isomerase Pin1 Accumulates in Lewy Bodies of Parkinson Disease and Facilitates Formation of β -Synuclein Inclusions. <i>Journal of Biological Chemistry</i> , 2006, 281, 4117-4125.	3.4	75
69	Modeling breast cancer in vivo and ex vivo reveals an essential role of Pin1 in tumorigenesis. <i>EMBO Journal</i> , 2004, 23, 3397-3407.	7.8	173
70	Proline-directed phosphorylation and isomerization in mitotic regulation and in Alzheimer's Disease. <i>BioEssays</i> , 2003, 25, 174-181.	2.5	83
71	Role of the prolyl isomerase Pin1 in protecting against age-dependent neurodegeneration. <i>Nature</i> , 2003, 424, 556-561.	27.8	412
72	The prolyl isomerase Pin1 in breast development and cancer. <i>Breast Cancer Research</i> , 2003, 5, 76-82.	5.0	71

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73	Prolyl isomerase Pin1: a catalyst for oncogenesis and a potential therapeutic target in cancer. <i>Journal of Cell Science</i> , 2003, 116, 773-783.	2.0	173
74	Loss of Pin1 function in the mouse causes phenotypes resembling cyclin D1-null phenotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1335-1340.	7.1	317
75	Role of Pin1 in the Regulation of p53 Stability and p21 Transactivation, and Cell Cycle Checkpoints in Response to DNA Damage. <i>Journal of Biological Chemistry</i> , 2002, 277, 47976-47979.	3.4	202
76	Critical Role of WW Domain Phosphorylation in Regulating Phosphoserine Binding Activity and Pin1 Function. <i>Journal of Biological Chemistry</i> , 2002, 277, 2381-2384.	3.4	210
77	PIN1 Is an E2F Target Gene Essential for Neu / Ras -Induced Transformation of Mammary Epithelial Cells. <i>Molecular and Cellular Biology</i> , 2002, 22, 5281-5295.	2.3	250
78	Characterization and cloning of a <i>Tenebrio molitor</i> hemolymph protein with sequence similarity to insect odorant-binding proteins. <i>Insect Biochemistry and Molecular Biology</i> , 2001, 31, 691-702.	2.7	36
79	Pin1 regulates turnover and subcellular localization of β -catenin by inhibiting its interaction with APC. <i>Nature Cell Biology</i> , 2001, 3, 793-801.	10.3	447
80	Crystallization and preliminary X-ray analysis of insect antifreeze protein from the beetle <i>Tenebrio molitor</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000, 56, 354-356.	2.5	7
81	Mimicry of ice structure by surface hydroxyls and water of a β -helix antifreeze protein. <i>Nature</i> , 2000, 406, 322-324.	27.8	420
82	Folding and Structural Characterization of Highly Disulfide-Bonded Beetle Antifreeze Protein Produced in Bacteria. <i>Protein Expression and Purification</i> , 2000, 19, 148-157.	1.3	49
83	A new class of hexahelical insect proteins revealed as putative carriers of small hydrophobic ligands. <i>Structure</i> , 1999, 7, 1325-1332.	3.3	51
84	A Complex Family of Highly Heterogeneous and Internally Repetitive Hyperactive Antifreeze Proteins from the Beetle <i>Tenebrio molitor</i> . <i>Biochemistry</i> , 1999, 38, 11415-11424.	2.5	98
85	Backbone Structure and Dynamics of a Hemolymph Protein from the Mealworm Beetle <i>Tenebrio molitor</i> . <i>Biochemistry</i> , 1997, 36, 13791-13801.	2.5	14
86	Hyperactive antifreeze protein from beetles. <i>Nature</i> , 1997, 388, 727-728.	27.8	258