

Yih-Cherng Liou

List of Publications by Year in descending order

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86
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docs citations

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times ranked

7202
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Role of the prolyl isomerase Pin1 in protecting against age-dependent neurodegeneration. <i>Nature</i> , 2003, 424, 556-561. | 27.8 | 412 |
| 4 | 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 |
| 5 | 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 |
| 6 | Hyperactive antifreeze protein from beetles. <i>Nature</i> , 1997, 388, 727-728. | 27.8 | 258 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Deterministic Restriction on Pluripotent State Dissolution by Cell-Cycle Pathways. <i>Cell</i> , 2015, 162, 564-579. | 28.9 | 185 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | PTEN-L is a novel protein phosphatase for ubiquitin dephosphorylation to inhibit PINK1-mediated mitophagy. <i>Cell Research</i> , 2018, 28, 787-802. | 12.0 | 124 |
| 15 | 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 |
| 16 | Daxx Cooperates with the Axin/HIPK2/p53 Complex to Induce Cell Death. <i>Cancer Research</i> , 2007, 67, 66-74. | 0.9 | 98 |
| 17 | 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 |
| 18 | STX17 dynamically regulated by Fis1 induces mitophagy via hierarchical macroautophagic mechanism. <i>Nature Communications</i> , 2019, 10, 2059. | 12.8 | 90 |

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|----|---|------|-----------|
| 19 | Proline-directed phosphorylation and isomerization in mitotic regulation and in Alzheimer's Disease. <i>BioEssays</i> , 2003, 25, 174-181. | 2.5 | 83 |
| 20 | 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 |
| 21 | Prolyl-isomerase Pin1 Accumulates in Lewy Bodies of Parkinson Disease and Facilitates Formation of α -Synuclein Inclusions. <i>Journal of Biological Chemistry</i> , 2006, 281, 4117-4125. | 3.4 | 75 |
| 22 | 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 |
| 23 | The prolyl isomerase Pin1 in breast development and cancer. <i>Breast Cancer Research</i> , 2003, 5, 76-82. | 5.0 | 71 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | Peptide Microarray for High-Throughput Determination of Phosphatase Specificity and Biology. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1698-1702. | 13.8 | 64 |
| 28 | The pathogenesis and diagnosis of sepsis post burn injury. <i>Burns and Trauma</i> , 2021, 9, tkaa047. | 4.9 | 63 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | Zfp143 Regulates Nanog Through Modulation of Oct4 Binding. <i>Stem Cells</i> , 2008, 26, 2759-2767. | 3.2 | 50 |
| 35 | Pin1At regulates PIN1 polar localization and root gravitropism. <i>Nature Communications</i> , 2016, 7, 10430. | 12.8 | 50 |
| 36 | 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 |

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|----|--|------|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | Pin1A Encoding a Peptidyl-Prolyl cis/trans Isomerase Regulates Flowering Time in Arabidopsis. <i>Molecular Cell</i> , 2010, 37, 112-122. | 9.7 | 40 |
| 41 | HURP Regulates Chromosome Congression by Modulating Kinesin Kif18A Function. <i>Current Biology</i> , 2011, 21, 1584-1591. | 3.9 | 38 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | NuSAP modulates the dynamics of kinetochore microtubules by attenuating MCAK depolymerisation activity. <i>Scientific Reports</i> , 2016, 6, 18773. | 3.3 | 31 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | Redox-sensitive cyclophilin A elicits chemoresistance through realigning cellular oxidative status in colorectal cancer. <i>Cell Reports</i> , 2021, 37, 110069. | 6.4 | 23 |

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|----|---|------|-----------|
| 55 | 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 |
| 56 | NuSAP governs chromosome oscillation by facilitating the Kid-generated polar ejection force. <i>Nature Communications</i> , 2016, 7, 10597. | 12.8 | 22 |
| 57 | Gears-In-Motion: The Interplay of WW and PPlase Domains in Pin1. <i>Frontiers in Oncology</i> , 2018, 8, 469. | 2.8 | 21 |
| 58 | PLK1 Interacts and Phosphorylates Axin That Is Essential for Proper Centrosome Formation. <i>PLoS ONE</i> , 2012, 7, e49184. | 2.5 | 21 |
| 59 | Regulation of PRDX1 peroxidase activity by Pin1. <i>Cell Cycle</i> , 2013, 12, 944-952. | 2.6 | 20 |
| 60 | Unraveling Heterogeneity in Transcriptome and Its Regulation Through Single-Cell Multi-Omics Technologies. <i>Frontiers in Genetics</i> , 2020, 11, 662. | 2.3 | 18 |
| 61 | Photodynamic therapy accelerates skin wound healing through promoting re-epithelialization. <i>Burns and Trauma</i> , 2021, 9, tkab008. | 4.9 | 18 |
| 62 | 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 |
| 63 | 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 |
| 64 | 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 |
| 65 | 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 |
| 66 | 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 |
| 67 | Functional characterization of two novel parvulins in <i>Trypanosoma brucei</i> . <i>FEBS Letters</i> , 2010, 584, 2901-2908. | 2.8 | 11 |
| 68 | 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 |
| 69 | 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 |
| 70 | Poly(ADP-ribosyl)ation of OVOL2 regulates aneuploidy and cell death in cancer cells. <i>Oncogene</i> , 2019, 38, 2750-2766. | 5.9 | 8 |
| 71 | 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 |
| 72 | Solution Structural Analysis of the Single-Domain Parvulin TbPin1. <i>PLoS ONE</i> , 2012, 7, e43017. | 2.5 | 7 |

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|----|---|-----|-----------|
| 73 | The microtubule-associated protein HURP recruits the centrosomal protein TACC3 to regulate K-fiber formation and support chromosome congression. Journal of Biological Chemistry, 2018, 293, 15733-15747. | 3.4 | 6 |
| 74 | Fishing for key players in ER-mitochondrial contacts. Journal of Biological Chemistry, 2017, 292, 16393-16394. | 3.4 | 2 |
| 75 | Knowledge-Guided Docking of Flexible Ligands to SH2 Domain Proteins. , 2010, , . | | 1 |
| 76 | Hyaluronan-Mediated Motility Receptor Governs Chromosome Segregation by Regulating Microtubules Sliding Within the Bridging Fiber. Advanced Biology, 2021, 5, 2000493. | 2.5 | 1 |
| 77 | Knowledge-Guided Docking of WW Domain Proteins and Flexible Ligands. Lecture Notes in Computer Science, 2009, , 175-186. | 1.3 | 1 |
| 78 | Importance of Mitochondrial Quality Control in Parkinson's Disease: The Potential Interplay of Mitochondrial Unfolded Protein Response and Mitophagy. , 2021, , 103-131. | | 0 |
| 79 | The role of Wip1 in regulating environmental stress-induced cellular responses. FASEB Journal, 2010, 24, 703.13. | 0.5 | 0 |
| 80 | Pin1 activates gonadotropin β -subunit gene transcription through its interaction with specific transcriptional factors. FASEB Journal, 2010, 24, 676.2. | 0.5 | 0 |
| 81 | NuSAP Govern s Centrosome Oscillation by Regulating Kif22 Generated Polar Ejection Force. FASEB Journal, 2015, 29, 884.6. | 0.5 | 0 |
| 82 | NuSAP Stabilizes Kinetochores Microtubules by Attenuating MCAK Depolymerization. FASEB Journal, 2015, 29, 884.7. | 0.5 | 0 |
| 83 | Sec71 functions as a GEF for the small GTPase Arf1 to govern dendrite pruning of Drosophila sensory neurons. Journal of Cell Science, 2017, 130, e1.1-e1.1. | 2.0 | 0 |
| 84 | Abstract 4487: A critical role of PARylation in regulating the functions of OVOL2. , 2017, , . | | 0 |
| 85 | Poly(ADP-ribosyl)ation of OVOL2 regulates aneuploidy and cell death in cancer cells. FASEB Journal, 2018, 32, . | 0.5 | 0 |
| 86 | STX17 dynamically regulated by Fis1 induces mitophagy via hierarchical macroautophagic mechanism. FASEB Journal, 2019, 33, . | 0.5 | 0 |