

# Ruey-Hwa Chen

## List of Publications by Year in descending order

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87  
papers

7,075  
citations

53794

45  
h-index

56724

83  
g-index

87  
all docs

87  
docs citations

87  
times ranked

8902  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cloning of a type I TGF-beta receptor and its effect on TGF-beta binding to the type II receptor. <i>Science</i> , 1993, 260, 1344-1348.	12.6	414
2	Inactivation of the type II receptor reveals two receptor pathways for the diverse TGF-beta activities. <i>Science</i> , 1993, 260, 1335-1338.	12.6	389
3	TGF- $\beta$ 2 induces apoptosis through Smad-mediated expression of DAP-kinase. <i>Nature Cell Biology</i> , 2002, 4, 51-58.	10.3	359
4	miR-103/107 Promote Metastasis of Colorectal Cancer by Targeting the Metastasis Suppressors DAPK and KLF4. <i>Cancer Research</i> , 2012, 72, 3631-3641.	0.9	279
5	Determination of Type I Receptor Specificity by the Type II Receptors for TGF- $\beta$ 2 or Activin. <i>Science</i> , 1993, 262, 900-902.	12.6	232
6	Interleukin-6 Inhibits Transforming Growth Factor- $\beta$ 2-induced Apoptosis through the Phosphatidylinositol 3-Kinase/Akt and Signal Transducers and Activators of Transcription 3 Pathways. <i>Journal of Biological Chemistry</i> , 1999, 274, 23013-23019.	3.4	215
7	A WD-domain protein that is associated with and phosphorylated by the type II TGF- $\beta$ 2 receptor. <i>Nature</i> , 1995, 377, 548-552.	27.8	200
8	Bidirectional signals transduced by DAPK $\rightarrow$ ERK interaction promote the apoptotic effect of DAPK. <i>EMBO Journal</i> , 2005, 24, 294-304.	7.8	197
9	Reactivation of PTEN tumor suppressor for cancer treatment through inhibition of a MYC-WWP1 inhibitory pathway. <i>Science</i> , 2019, 364, .	12.6	194
10	Cul3-KLHL20 Ubiquitin Ligase Governs the Turnover of ULK1 and VPS34 Complexes to Control Autophagy Termination. <i>Molecular Cell</i> , 2016, 61, 84-97.	9.7	185
11	Suppression of transforming growth factor- $\beta$ 2-induced apoptosis through a phosphatidylinositol 3-kinase/Akt-dependent pathway. <i>Oncogene</i> , 1998, 17, 1959-1968.	5.9	184
12	Ubiquitin-mediated regulation of autophagy. <i>Journal of Biomedical Science</i> , 2019, 26, 80.	7.0	157
13	A Cullin3-KLHL20 Ubiquitin Ligase-Dependent Pathway Targets PML to Potentiate HIF-1 Signaling and Prostate Cancer Progression. <i>Cancer Cell</i> , 2011, 20, 214-228.	16.8	151
14	Death-Associated Protein Kinase 1 Phosphorylates Pin1 and Inhibits Its Prolyl Isomerase Activity and Cellular Function. <i>Molecular Cell</i> , 2011, 42, 147-159.	9.7	149
15	DAP-kinase induces apoptosis by suppressing integrin activity and disrupting matrix survival signals. <i>Journal of Cell Biology</i> , 2002, 159, 169-179.	5.2	143
16	Brk Activates Rac1 and Promotes Cell Migration and Invasion by Phosphorylating Paxillin. <i>Molecular and Cellular Biology</i> , 2004, 24, 10558-10572.	2.3	142
17	Pentoxifylline Attenuates Tubulointerstitial Fibrosis by Blocking Smad3/4-Activated Transcription and Profibrogenic Effects of Connective Tissue Growth Factor. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 2702-2713.	6.1	142
18	PSPC1 mediates TGF- $\beta$ 1 autocrine signalling and Smad2/3 target switching to promote EMT, stemness and metastasis. <i>Nature Cell Biology</i> , 2018, 20, 479-491.	10.3	141

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19	Structural and Functional Roles of Daxx SIM Phosphorylation in SUMO Paralog-Selective Binding and Apoptosis Modulation. <i>Molecular Cell</i> , 2011, 42, 62-74.	9.7	137
20	Effect of excision repair by diploid human fibroblasts on the kinds and locations of mutations induced by (+/-)-7 beta,8 alpha-dihydroxy-9 alpha,10 alpha-epoxy-7,8,9,10- tetrahydrobenzo[a]pyrene in the coding region of the HPRT gene.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 8680-8684.	7.1	134
21	K33-Linked Polyubiquitination of Coronin 7 by Cul3-KLHL20 Ubiquitin E3 Ligase Regulates Protein Trafficking. <i>Molecular Cell</i> , 2014, 54, 586-600.	9.7	129
22	Preferential repair and strand-specific repair of benzo[a]pyrene diol epoxide adducts in the HPRT gene of diploid human fibroblasts.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 5413-5417.	7.1	127
23	Etk, a Btk Family Tyrosine Kinase, Mediates Cellular Transformation by Linking Src to STAT3 Activation. <i>Molecular and Cellular Biology</i> , 2000, 20, 2043-2054.	2.3	127
24	The Type II Transforming Growth Factor- $\beta^2$ Receptor Autophosphorylates Not Only on Serine and Threonine but Also on Tyrosine Residues. <i>Journal of Biological Chemistry</i> , 1997, 272, 14850-14859.	3.4	107
25	The Cullin 3 substrate adaptor KLHL20 mediates DAPK ubiquitination to control interferon responses. <i>EMBO Journal</i> , 2010, 29, 1748-1761.	7.8	104
26	The tumor suppressor DAPK inhibits cell motility by blocking the integrin-mediated polarity pathway. <i>Journal of Cell Biology</i> , 2006, 172, 619-631.	5.2	100
27	LncRNA NORAD is repressed by the YAP pathway and suppresses lung and breast cancer metastasis by sequestering S100P. <i>Oncogene</i> , 2019, 38, 5612-5626.	5.9	97
28	Daxx Mediates the Small Ubiquitin-like Modifier-dependent Transcriptional Repression of Smad4. <i>Journal of Biological Chemistry</i> , 2005, 280, 10164-10173.	3.4	96
29	Kinds and location of mutations induced by ( $\hat{A}$ $\pm$ )-7 $\hat{\beta}$ $\pm$ ,8 $\hat{\alpha}$ $\pm$ -dihydroxy-9 $\hat{\alpha}$ $\pm$ ,10 $\hat{\alpha}$ $\pm$ -epoxy-7,8,9,10-tetrahydrobenzo[a]pyrene in the coding region of the hypoxanthine (guanine) phosphoribosyltransferase gene in diploid human fibroblasts. <i>Carcinogenesis</i> , 1991, 12, 71-75.	2.8	90
30	USP11 regulates PML stability to control Notch-induced malignancy in brain tumours. <i>Nature Communications</i> , 2014, 5, 3214.	12.8	83
31	Phosphorylation-dependent Interaction of the Cytoplasmic Domains of the Type I and Type II Transforming Growth Factor- $\beta^2$ Receptors. <i>Journal of Biological Chemistry</i> , 1995, 270, 12235-12241.	3.4	76
32	Breast Tumor Kinase Phosphorylates p190RhoGAP to Regulate Rho and Ras and Promote Breast Carcinoma Growth, Migration, and Invasion. <i>Cancer Research</i> , 2008, 68, 7779-7787.	0.9	75
33	Uncoordinated regulation of stress fibers and focal adhesions by DAP kinase. <i>Journal of Cell Science</i> , 2003, 116, 4777-4790.	2.0	72
34	The Tumor Suppressor DAPK Is Reciprocally Regulated by Tyrosine Kinase Src and Phosphatase LAR. <i>Molecular Cell</i> , 2007, 27, 701-716.	9.7	68
35	SEN1 deSUMOylates and Regulates Pin1 Protein Activity and Cellular Function. <i>Cancer Research</i> , 2013, 73, 3951-3962.	0.9	68
36	DAPK activates MARK1/2 to regulate microtubule assembly, neuronal differentiation, and tau toxicity. <i>Cell Death and Differentiation</i> , 2011, 18, 1507-1520.	11.2	67

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37	Cullin 3 Ubiquitin Ligases in Cancer Biology: Functions and Therapeutic Implications. <i>Frontiers in Oncology</i> , 2016, 6, 113.	2.8	66
38	Fibroblast Activation Protein (FAP) Is Essential for the Migration of Bone Marrow Mesenchymal Stem Cells through RhoA Activation. <i>PLoS ONE</i> , 2014, 9, e88772.	2.5	59
39	Tumor suppressor death-associated protein kinase is required for full IL-1 $\beta$ production. <i>Blood</i> , 2011, 117, 960-970.	1.4	58
40	Ubiquitination of tumor suppressor PML regulates prometastatic and immunosuppressive tumor microenvironment. <i>Journal of Clinical Investigation</i> , 2017, 127, 2982-2997.	8.2	55
41	Neural activity and CaMKII protect mitochondria from fragmentation in aging <i>Caenorhabditis elegans</i> neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8768-8773.	7.1	51
42	Extracellular domain of EpCAM enhances tumor progression through EGFR signaling in colon cancer cells. <i>Cancer Letters</i> , 2018, 433, 165-175.	7.2	51
43	PDZ-RhoGEF ubiquitination by Cullin3 $\beta$ KLHL20 controls neurotrophin-induced neurite outgrowth. <i>Journal of Cell Biology</i> , 2011, 193, 985-994.	5.2	50
44	Identification of partners of TIF34, a component of the yeast eIF3 complex, required for cell proliferation and translation initiation. <i>EMBO Journal</i> , 1997, 16, 6812-6822.	7.8	49
45	The Tumor Suppressor Death-Associated Protein Kinase Targets to TCR-Stimulated NF- $\kappa$ B Activation. <i>Journal of Immunology</i> , 2008, 180, 3238-3249.	0.8	48
46	Small GTPase Rab37 targets tissue inhibitor of metalloproteinase 1 for exocytosis and thus suppresses tumour metastasis. <i>Nature Communications</i> , 2014, 5, 4804.	12.8	48
47	Suppression of autophagy during mitosis via CUL4-RING ubiquitin ligases-mediated WIPI2 polyubiquitination and proteasomal degradation. <i>Autophagy</i> , 2019, 15, 1917-1934.	9.1	45
48	MicroRNA-140-5p inhibits hepatocellular carcinoma by directly targeting the unique isomerase Pin1 to block multiple cancer-driving pathways. <i>Scientific Reports</i> , 2017, 7, 45915.	3.3	43
49	Long non-coding RNA HOXB-AS3 promotes myeloid cell proliferation and its higher expression is an adverse prognostic marker in patients with acute myeloid leukemia and myelodysplastic syndrome. <i>BMC Cancer</i> , 2019, 19, 617.	2.6	43
50	VPS34 K29/K48 branched ubiquitination governed by UBE3C and TRABID regulates autophagy, proteostasis and liver metabolism. <i>Nature Communications</i> , 2021, 12, 1322.	12.8	43
51	miR-103/107 prolong Wnt/ $\beta$ -catenin signaling and colorectal cancer stemness by targeting Axin2. <i>Scientific Reports</i> , 2019, 9, 9687.	3.3	41
52	Activity-dependent retrograde laminin A signaling regulates synapse growth at <i>Drosophila</i> neuromuscular junctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17699-17704.	7.1	40
53	The functions and regulations of DAPK in cancer metastasis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2014, 19, 364-370.	4.9	40
54	Regulation of inflammation by DAPK. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2014, 19, 357-363.	4.9	38

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55	Pentoxifylline Inhibits Platelet-Derived Growth Factor-Stimulated Cyclin D1 Expression in Mesangial Cells by Blocking Akt Membrane Translocation. <i>Molecular Pharmacology</i> , 2003, 64, 811-822.	2.3	34
56	Fak56 functions downstream of integrin alphaPS3betanu and suppresses MAPK activation in neuromuscular junction growth. <i>Neural Development</i> , 2008, 3, 26.	2.4	31
57	Role of breast tumour kinase in the in vitro differentiation of HaCaT cells. <i>British Journal of Dermatology</i> , 2005, 153, 282-289.	1.5	30
58	Integrative analyses of noncoding RNAs reveal the potential mechanisms augmenting tumor malignancy in lung adenocarcinoma. <i>Nucleic Acids Research</i> , 2020, 48, 1175-1191.	14.5	30
59	SCP Phosphatases Suppress Renal Cell Carcinoma by Stabilizing PML and Inhibiting mTOR/HIF Signaling. <i>Cancer Research</i> , 2014, 74, 6935-6946.	0.9	29
60	The Effect of Resveratrol on Protecting Corneal Epithelial Cells from Cytotoxicity Caused by Moxifloxacin and Benzalkonium Chloride. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 1575-1584.	3.3	29
61	eIF3k regulates apoptosis in epithelial cells by releasing caspase 3 from keratin-containing inclusions. <i>Journal of Cell Science</i> , 2008, 121, 2382-2393.	2.0	28
62	The role of PML ubiquitination in human malignancies. <i>Journal of Biomedical Science</i> , 2012, 19, 81.	7.0	27
63	Neurofibromin Mediates FAK Signaling in Confining Synapse Growth at <i>Drosophila</i> Neuromuscular Junctions. <i>Journal of Neuroscience</i> , 2012, 32, 16971-16981.	3.6	26
64	Usp11 controls cortical neurogenesis and neuronal migration through Sox11 stabilization. <i>Science Advances</i> , 2021, 7, .	10.3	26
65	KLHL39 suppresses colon cancer metastasis by blocking KLHL20-mediated PML and DAPK ubiquitination. <i>Oncogene</i> , 2015, 34, 5141-5151.	5.9	24
66	PSPC1-interchanged interactions with PTK6 and $\beta$ -catenin synergize oncogenic subcellular translocations and tumor progression. <i>Nature Communications</i> , 2019, 10, 5716.	12.8	24
67	Tumor suppressor death-associated protein kinase 1 inhibits necroptosis by p38 MAPK activation. <i>Cell Death and Disease</i> , 2020, 11, 305.	6.3	24
68	Tumour suppressor death-associated protein kinase targets cytoplasmic HIF-1 $\alpha$ for Th17 suppression. <i>Nature Communications</i> , 2016, 7, 11904.	12.8	20
69	The tumor suppressor DAP-kinase links cell adhesion and cytoskeleton reorganization to cell death regulation. <i>Journal of Biomedical Science</i> , 2006, 13, 193-199.	7.0	19
70	Branched Ubiquitination: Detection Methods, Biological Functions and Chemical Synthesis. <i>Molecules</i> , 2020, 25, 5200.	3.8	18
71	Lack of Correlation between Degree of Interference with Transcription and Rate of Strand Specific Repair in the HPRT Gene of Diploid Human Fibroblasts. <i>Journal of Biological Chemistry</i> , 1995, 270, 27222-27227.	3.4	16
72	Cullin 3 and Its Role in Tumorigenesis. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1217, 187-210.	1.6	16

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73	Antibiotics induce apoptosis of human peritoneal mesothelial cells. <i>Nephrology</i> , 2003, 8, 142-149.	1.6	15
74	Cul3-KLHL20 ubiquitin ligase: physiological functions, stress responses, and disease implications. <i>Cell Division</i> , 2016, 11, 5.	2.4	15
75	BIK ubiquitination by the E3 ligase Cul5-ASB11 determines cell fate during cellular stress. <i>Journal of Cell Biology</i> , 2019, 218, 3002-3018.	5.2	13
76	WD40 protein Wuho controls germline homeostasis via TRIM-NHL tumor suppressor Mei-p26 in <i>Drosophila</i> . <i>Development (Cambridge)</i> , 2020, 147, .	2.5	13
77	Relationship between adduct formation, rates of excision repair and the cytotoxic and mutagenic effects of structurally-related polycyclic aromatic carcinogens. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1997, 376, 143-152.	1.0	12
78	KLHL20 links the ubiquitin-proteasome system to autophagy termination. <i>Autophagy</i> , 2016, 12, 890-891.	9.1	10
79	Long noncoding RNA BCRP3 stimulates VPS34 and autophagy activities to promote protein homeostasis and cell survival. <i>Journal of Biomedical Science</i> , 2022, 29, 30.	7.0	9
80	Long noncoding RNA Smyca coactivates TGF- $\beta$ /Smad and Myc pathways to drive tumor progression. <i>Journal of Hematology and Oncology</i> , 2022, 15, .	17.0	9
81	Transcription of Epstein-Barr Virus-Encoded Nuclear Antigen 1 Promoter Qp Is Repressed by Transforming Growth Factor- $\beta$ via Smad4 Binding Element in Human BL Cells. <i>Virology</i> , 2000, 277, 184-192.	2.4	8
82	<i>C. elegans</i> EIF-3.K Promotes Programmed Cell Death through CED-3 Caspase. <i>PLoS ONE</i> , 2012, 7, e36584.	2.5	7
83	Latent membrane protein 1 of Epstein-Barr virus regulates death-associated protein kinase 1 in lymphoblastoid cell line. <i>Virology</i> , 2011, 413, 19-25.	2.4	6
84	Autophagy and cancer metabolism—The two-way interplay. <i>IUBMB Life</i> , 2022, 74, 281-295.	3.4	5
85	Use of PCR amplification of cDNA to study mechanisms of human cell mutagenesis and malignant transformation. <i>Environmental and Molecular Mutagenesis</i> , 1991, 18, 239-244.	2.2	2
86	PML degradation fosters an immunosuppressive and pro-metastatic tumor microenvironment. <i>Molecular and Cellular Oncology</i> , 2017, 4, e1364212.	0.7	2
87	Regulation of autophagy by VPS34 branched ubiquitination controls proteostasis and liver metabolism. <i>Molecular and Cellular Oncology</i> , 2021, 8, 1915076.	0.7	0