

Shih-Ming Huang

List of Publications by Year in descending order

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110
papers

3,927
citations

201385

27
h-index

128067

60
g-index

114
all docs

114
docs citations

114
times ranked

4542
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of Transcription by a Protein Methyltransferase. <i>Science</i> , 1999, 284, 2174-2177.	6.0	1,083
2	Estrogen Receptor Activation Function 1 Works by Binding p160 Coactivator Proteins. <i>Molecular Endocrinology</i> , 1998, 12, 1605-1618.	3.7	338
3	Multiple Signal Input and Output Domains of the 160-Kilodalton Nuclear Receptor Coactivator Proteins. <i>Molecular and Cellular Biology</i> , 1999, 19, 6164-6173.	1.1	232
4	Synergistic, p160 Coactivator-dependent Enhancement of Estrogen Receptor Function by CARM1 and p300. <i>Journal of Biological Chemistry</i> , 2000, 275, 40810-40816.	1.6	210
5	Mouse Zac1, a Transcriptional Coactivator and Repressor for Nuclear Receptors. <i>Molecular and Cellular Biology</i> , 2000, 20, 1855-1867.	1.1	144
6	Enhancement of p53-dependent gene activation by the transcriptional coactivator Zac1. <i>Oncogene</i> , 2001, 20, 2134-2143.	2.6	98
7	Inhibition of Nodal suppresses angiogenesis and growth of human gliomas. <i>Journal of Neuro-Oncology</i> , 2011, 104, 21-31.	1.4	82
8	Resveratrol increases anti-aging Klotho gene expression via the activating transcription factor 3/c-Jun complex-mediated signaling pathway. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 53, 361-371.	1.2	80
9	Isolation and characterization of tumor stem-like cells from human meningiomas. <i>Journal of Neuro-Oncology</i> , 2011, 104, 45-53.	1.4	78
10	Sirtuin 1 protects the aging heart from contractile dysfunction mediated through the inhibition of endoplasmic reticulum stress-mediated apoptosis in cardiac-specific Sirtuin 1 knockout mouse model. <i>International Journal of Cardiology</i> , 2017, 228, 543-552.	0.8	68
11	Polarization of tumor-associated macrophages and Gas6/Axl signaling in oral squamous cell carcinoma. <i>Oral Oncology</i> , 2015, 51, 683-689.	0.8	49
12	Synergistic effects of combination treatment using EGCG and suramin against the chikungunya virus. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 595-602.	1.0	47
13	Platelet-derived growth factor- α is a substantial factor in the ability of adipose-derived stem cells and endothelial progenitor cells to enhance wound healing. <i>FASEB Journal</i> , 2019, 33, 2388-2395.	0.2	45
14	Theophylline exhibits anti-cancer activity <i>via</i> suppressing SRSF3 in cervical and breast cancer cell lines. <i>Oncotarget</i> , 2017, 8, 101461-101474.	0.8	41
15	Overexpression of PLOD3 promotes tumor progression and poor prognosis in gliomas. <i>Oncotarget</i> , 2018, 9, 15705-15720.	0.8	40
16	CB1 cannabinoid receptor antagonist attenuates left ventricular hypertrophy and Akt-mediated cardiac fibrosis in experimental uremia. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 85, 249-261.	0.9	39
17	Human Mitochondrial NAD(P) + -Dependent Malic Enzyme Participates in Cutaneous Melanoma Progression and Invasion. <i>Journal of Investigative Dermatology</i> , 2015, 135, 807-815.	0.3	39
18	Modulation of the Cyclin-Dependent Kinase Inhibitor <i>p21WAF1/Cip1</i> Gene by Zac1 through the Antagonistic Regulators p53 and Histone Deacetylase 1 in HeLa Cells. <i>Molecular Cancer Research</i> , 2008, 6, 1204-1214.	1.5	38

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19	Importin β 1 is involved in the nuclear localization of Zac1 and the induction of p21WAF1/CIP1 by Zac1. <i>Biochemical Journal</i> , 2007, 402, 359-366.	1.7	36
20	Caffeine induces tumor cytotoxicity via the regulation of alternative splicing in subsets of cancer-associated genes. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 47, 83-92.	1.2	36
21	Human spot 14 protein interacts physically and functionally with the thyroid receptor. <i>Biochemical and Biophysical Research Communications</i> , 2007, 357, 133-138.	1.0	35
22	Pharmacologic down-regulation of EZH2 suppresses bladder cancer <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2014, 5, 10342-10355.	0.8	35
23	Human papillomavirus E2 protein associates with nuclear receptors to stimulate nuclear receptor- and E2-dependent transcriptional activations in human cervical carcinoma cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 413-425.	1.2	34
24	Multiple effects of digoxin on subsets of cancer-associated genes through the alternative splicing pathway. <i>Biochimie</i> , 2014, 106, 131-139.	1.3	33
25	Hyperphosphatemia induces protective autophagy in endothelial cells through the inhibition of Akt/mTOR signaling. <i>Journal of Vascular Surgery</i> , 2015, 62, 210-221.e2.	0.6	30
26	Different roles of p53 in the regulation of DNA damage caused by 1,2-heteroannelated anthraquinones and doxorubicin. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 1720-1728.	1.2	28
27	Metformin causes cancer cell death through downregulation of p53-dependent differentiated embryo chondrocyte 1. <i>Journal of Biomedical Science</i> , 2018, 25, 81.	2.6	28
28	Regulation of nuclear receptor activities by two human papillomavirus type 18 oncoproteins, E6 and E7. <i>Biochemical and Biophysical Research Communications</i> , 2003, 303, 932-939.	1.0	26
29	The regulation of NLRP3 inflammasome expression during the development of cardiac contractile dysfunction in chronic kidney disease. <i>Oncotarget</i> , 2017, 8, 113303-113317.	0.8	23
30	The mechanisms of malic enzyme 2 in the tumorigenesis of human gliomas. <i>Oncotarget</i> , 0, 7, 41460-41472.	0.8	22
31	Differential Cytotoxicity Mechanisms of Copper Complexed with Disulfiram in Oral Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3711.	1.8	22
32	High phosphate induces skeletal muscle atrophy and suppresses myogenic differentiation by increasing oxidative stress and activating Nrf2 signaling. <i>Aging</i> , 2020, 12, 21446-21468.	1.4	21
33	Human placental alkaline phosphatase. An improved purification procedure and kinetic studies. <i>FEBS Journal</i> , 1992, 209, 241-247.	0.2	20
34	Epigallocatechin-3-gallate Reduces Scavenger Receptor A Expression and Foam Cell Formation in Human Macrophages. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 3141-3150.	2.4	20
35	Mechanisms and Applications of the Anti-cancer Effect of Pharmacological Ascorbic Acid in Cervical Cancer Cells. <i>Frontiers in Oncology</i> , 2020, 10, 1483.	1.3	20
36	Analysis of two CBP (cAMP-response-element-binding protein-binding protein) interacting sites in GRIP1 (glucocorticoid-receptor-interacting protein), and their importance for the function of GRIP1. <i>Biochemical Journal</i> , 2004, 382, 111-119.	1.7	19

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37	Novel Cancer Therapeutics with Allosteric Modulation of the Mitochondrial C-Raf/DAPK Complex by Raf Inhibitor Combination Therapy. <i>Cancer Research</i> , 2015, 75, 3568-3582.	0.4	19
38	The Anti-Cancer Effect of Four Curcumin Analogues on Human Glioma Cells. <i>OncoTargets and Therapy</i> , 2021, Volume 14, 4345-4359.	1.0	19
39	Estrogen modulates vascular smooth muscle cell function through downregulation of SIRT1. <i>Oncotarget</i> , 2017, 8, 110039-110051.	0.8	19
40	Amiodarone promotes cancer cell death through elevated truncated SRSF3 and downregulation of miR-224. <i>Oncotarget</i> , 2018, 9, 13390-13406.	0.8	19
41	Dissociation of Pigeon-Liver Malic Enzyme in Reverse Micelles. <i>FEBS Journal</i> , 1994, 225, 1021-1027.	0.2	18
42	The synergistic effects of valproic acid and fluvastatin on apoptosis induction in glioblastoma multiforme cell lines. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 92, 155-163.	1.2	18
43	Regulation of nuclear receptor and coactivator functions by the carboxyl terminus of ubiquitin-conjugating enzyme 9. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 1035-1046.	1.2	17
44	Macrophage phenotypes and Gas6/Axl signaling in apical lesions. <i>Journal of Dental Sciences</i> , 2019, 14, 281-287.	1.2	17
45	Carvedilol Ameliorates Experimental Atherosclerosis by Regulating Cholesterol Efflux and Exosome Functions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5202.	1.8	17
46	Hericium erinaceus Mycelium and Its Isolated Compound, Erinacine A, Ameliorate High-Fat High-Sucrose Diet-Induced Metabolic Dysfunction and Spatial Learning Deficits in Aging Mice. <i>Journal of Medicinal Food</i> , 2019, 22, 469-478.	0.8	17
47	Gene expression profiling identifies the role of Zac1 in cervical cancer metastasis. <i>Scientific Reports</i> , 2020, 10, 11837.	1.6	17
48	Modulation of glucocorticoid receptor-interacting protein 1 (GRIP1) transactivation and co-activation activities through its C-terminal repression and self-association domains. <i>FEBS Journal</i> , 2006, 273, 2172-2183.	2.2	16
49	Physical and functional interactions of human papillomavirus E2 protein with nuclear receptor coactivators. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 523-528.	1.0	16
50	HCV core inhibits hepatocellular carcinoma cell replicative senescence through downregulating microRNA-138 expression. <i>Journal of Molecular Medicine</i> , 2017, 95, 629-639.	1.7	16
51	Hyperbaric oxygen suppressed tumor progression through the improvement of tumor hypoxia and induction of tumor apoptosis in A549-cell-transferred lung cancer. <i>Scientific Reports</i> , 2021, 11, 12033.	1.6	16
52	Involvement of Phe19 in the Mn ²⁺ -Malate Binding and the Subunit Interactions of Pigeon Liver Malic Enzyme. <i>Biochemistry</i> , 1996, 35, 9873-9879.	1.2	15
53	Human Spot 14 protein is a p53-dependent transcriptional coactivator via the recruitment of thyroid receptor and Zac1. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 1826-1834.	1.2	15
54	Zac1, an Sp1-like protein, regulates human p21 gene expression in HeLa cells. <i>Experimental Cell Research</i> , 2011, 317, 2925-2937.	1.2	15

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55	The Mechanisms Underlying the Cytotoxic Effects of Copper Via Differentiated Embryonic Chondrocyte Gene 1. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5225.	1.8	15
56	CD164 promotes lung tumor-initiating cells with stem cell activity and determines tumor growth and drug resistance via Akt/mTOR signaling. <i>Oncotarget</i> , 2017, 8, 54115-54135.	0.8	15
57	HAF mediates the evasive resistance of anti-angiogenesis TKI through disrupting HIF-1 α and HIF-2 α balance in renal cell carcinoma. <i>Oncotarget</i> , 2017, 8, 49713-49724.	0.8	15
58	Valproic acid promotes radiosensitization in meningioma stem-like cells. <i>Oncotarget</i> , 2015, 6, 9959-9969.	0.8	14
59	The anti-fibrotic and anti-inflammatory effects of 2,4-diamino-5-(1-hydroxynaphthalen-2-yl)-5H-chromeno[2,3-b] pyriine-3-carbonitrile in corneal fibroblasts. <i>Pharmacological Reports</i> , 2020, 72, 115-125.	1.5	13
60	Physical and functional interactions between hnRNP K and PRMT family proteins. <i>FEBS Letters</i> , 2009, 583, 281-286.	1.3	12
61	Zac1 functional interactions mediate AP-1 transcriptional activity. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 2050-2060.	1.9	12
62	Adipose-Derived Neural Stem Cells Combined with Acellular Dermal Matrix as a Neural Conduit Enhances Peripheral Nerve Repair. <i>Cell Transplantation</i> , 2019, 28, 1220-1230.	1.2	12
63	Natural Endogenous Human Matriptase and Prostatin Undergo Zymogen Activation via Independent Mechanisms in an Uncoupled Manner. <i>PLoS ONE</i> , 2016, 11, e0167894.	1.1	12
64	The transactivation domain of heterogeneous nuclear ribonucleoprotein K overlaps its nuclear shuttling domain. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 2078-2089.	1.2	11
65	Zac1 regulates IL-11 expression in osteoarthritis. <i>Oncotarget</i> , 2018, 9, 32478-32495.	0.8	11
66	CKAP2L Knockdown Exerts Antitumor Effects by Increasing miR-4496 in Glioblastoma Cell Lines. <i>International Journal of Molecular Sciences</i> , 2021, 22, 197.	1.8	11
67	Indoxyl sulfate upregulates the cannabinoid type 1 receptor gene via an ATF3/c-Jun complex-mediated signaling pathway in the model of uremic cardiomyopathy. <i>International Journal of Cardiology</i> , 2018, 252, 128-135.	0.8	10
68	Antiviral Activity of Compound L3 against Dengue and Zika Viruses In Vitro and In Vivo. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4050.	1.8	10
69	Cardiac calcium dysregulation in mice with chronic kidney disease. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 3669-3677.	1.6	10
70	Anti-inflammatory Compound Shows Therapeutic Safety and Efficacy against Flavivirus Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 64, .	1.4	9
71	CD164 regulates proliferation, progression, and invasion of human glioblastoma cells. <i>Oncotarget</i> , 2019, 10, 2041-2054.	0.8	9
72	Autosomal Recessive Renal Tubular Dysgenesis Caused by a Founder Mutation of Angiotensinogen. <i>Kidney International Reports</i> , 2020, 5, 2042-2051.	0.4	9

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73	Mechanisms of Cisplatin in Combination with Repurposed Drugs against Human Endometrial Carcinoma Cells. <i>Life</i> , 2021, 11, 160.	1.1	9
74	Whole-exome sequencing detects mutations in pediatric patients with atypical hemolytic uremic syndrome in Taiwan. <i>Clinica Chimica Acta</i> , 2019, 494, 143-150.	0.5	8
75	Regulatory mechanisms of fluvastatin and lovastatin for the p21 induction in human cervical cancer HeLa cells. <i>PLoS ONE</i> , 2019, 14, e0214408.	1.1	8
76	The regulatory mechanisms of myogenin expression in doxorubicin-treated rat cardiomyocytes. <i>Oncotarget</i> , 2015, 6, 37443-37457.	0.8	8
77	Engineering of a stable mutant malic enzyme by introducing an extra ion-pair to the protein. , 1998, 31, 61-73.		7
78	Associations among integrated psychoneuroimmunological factors and metabolic syndrome. <i>Psychoneuroendocrinology</i> , 2016, 74, 342-349.	1.3	7
79	Glucosamine impedes transforming growth factor β 1-mediated corneal fibroblast differentiation by targeting Kr β 1-like factor 4. <i>Journal of Biomedical Science</i> , 2019, 26, 72.	2.6	7
80	Modulation of the Zac1's transactivation and coactivation functions via PML and Daxx within distinct subcellular localizations. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 902-910.	1.2	6
81	Dual roles for lysine 490 of promyelocytic leukemia protein in the transactivation of glucocorticoid receptor-interacting protein 1. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1799-1810.	1.9	6
82	Functional Analysis of VDR Gene Mutation R343H in A Child with Vitamin D-Resistant Rickets with Alopecia. <i>Scientific Reports</i> , 2017, 7, 15337.	1.6	6
83	The cytotoxic mechanism of epigallocatechin gallate on proliferative HaCaT keratinocytes. <i>Journal of Biomedical Science</i> , 2017, 24, 55.	2.6	6
84	Risk of cancer in patients with heart failure who use digoxin: a 10-year follow-up study and cell-based verification. <i>Oncotarget</i> , 2017, 8, 44203-44216.	0.8	6
85	<p>The antitumor properties of metformin and phenformin reflect their ability to inhibit the actions of differentiated embryo chondrocyte 1</p>. <i>Cancer Management and Research</i> , 2019, Volume 11, 6567-6579.	0.9	6
86	Clinical features, genetic background, and outcome in infants with urinary tract infection and type IV renal tubular acidosis. <i>Pediatric Research</i> , 2020, 87, 1251-1255.	1.1	6
87	Shugoshin 2 is a biomarker for pathological grading and survival prediction in patients with gliomas. <i>Scientific Reports</i> , 2021, 11, 18541.	1.6	6
88	The subcellular localization and protein stability of mouse alpha-actinin 2 is controlled by its nuclear receptor binding motif in C2C12 cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 2082-2091.	1.2	5
89	Opposing Effects of Zac1 and Curcumin on AP-1-Regulated Expressions of S100A7. <i>PLoS ONE</i> , 2015, 10, e0144175.	1.1	5
90	The Polymorphism at PLCB4 Promoter (rs6086746) Changes the Binding Affinity of RUNX2 and Affects Osteoporosis Susceptibility: An Analysis of Bioinformatics-Based Case-Control Study and Functional Validation. <i>Frontiers in Endocrinology</i> , 2021, 12, 730686.	1.5	5

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91	Antitumorigenic Effect of Tramadol and Synergistic Effect With Doxorubicin in Human Breast Cancer Cells. <i>Frontiers in Oncology</i> , 2022, 12, 811716.	1.3	5
92	The Synergistic Cytotoxic Effects of GW5074 and Sorafenib by Impacting Mitochondrial Functions in Human Colorectal Cancer Cell Lines. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	5
93	A non-covalent interaction between small ubiquitin-like modifier-1 and Zac1 regulates Zac1 cellular functions. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 547-555.	1.2	4
94	The effect of Sirt1 deficiency on Ca ²⁺ and Na ⁺ regulation in mouse ventricular myocytes. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 6762-6772.	1.6	4
95	The Inhibitory Effects of 6-Thioguanine and 6-Mercaptopurine on the USP2a Target Fatty Acid Synthase in Human Submaxillary Carcinoma Cells. <i>Frontiers in Oncology</i> , 2021, 11, 749661.	1.3	4
96	Nonidentity of the cDNA sequence of human breast cancer cell malic enzyme to that from the normal human cell. <i>The Protein Journal</i> , 1996, 15, 273-279.	1.1	3
97	Characterization of a new mouse p53 variant: loss-of-function and gain-of-function. <i>Journal of Biomedical Science</i> , 2014, 21, 40.	2.6	3
98	The inhibitory mechanism by curcumin on the Zac1-enhanced cyclin D1 expression in human keratinocytes. <i>Journal of Dermatological Science</i> , 2015, 79, 262-267.	1.0	3
99	The Potential of Acellular Dermal Matrix Combined With Neural Stem Cells Induced From Human Adipose-Derived Stem Cells in Nerve Tissue Engineering. <i>Annals of Plastic Surgery</i> , 2019, 82, S108-S118.	0.5	3
100	Complement Factor I Mutation May Contribute to Development of Thrombotic Microangiopathy in Lupus Nephritis. <i>Frontiers in Medicine</i> , 2020, 7, 621609.	1.2	3
101	Targeted deletion of HAI-1 increases prostatic proteolysis but decreases matriptase proteolysis in human keratinocytes. <i>Human Cell</i> , 2021, 34, 771-784.	1.2	3
102	GRPEL2 Knockdown Exerts Redox Regulation in Glioblastoma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12705.	1.8	3
103	The Role of Sirtuin 1 in Palmitic Acid-Induced Endoplasmic Reticulum Stress in Cardiac Myoblasts. <i>Life</i> , 2022, 12, 182.	1.1	3
104	The difference in the intracellular Arg/Lys-rich and EHLVY motifs contributes to distinct subcellular distribution of HAI-1 versus HAI-2. <i>Human Cell</i> , 2022, 35, 163-178.	1.2	3
105	Palmitate Enhances the Efficacy of Cisplatin and Doxorubicin against Human Endometrial Carcinoma Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 80.	1.8	3
106	Effect of Hydrocortisone on Angiotensinogen (AGT) Mutation—Causing Autosomal Recessive Renal Tubular Dysgenesis. <i>Cells</i> , 2021, 10, 782.	1.8	1
107	The Effect of Disulfiram and Copper on Cellular Viability, ER Stress and ALDH Expression of Human Meningioma Cells. <i>Biomedicines</i> , 2022, 10, 887.	1.4	1
108	Phosphodiesterase-1 inhibitor modulates Ca ²⁺ regulation in sirtuin 1-deficient mouse cardiomyocytes. <i>European Journal of Pharmacology</i> , 2021, 910, 174498.	1.7	0

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109	Human Spot 14 protein interacts physically and functionally with the thyroid receptor. FASEB Journal, 2007, 21, A253.	0.2	0
110	Generation and analysis of pseudohypoaldosteronism type II knockâ€”in mice caused by a nonsense KLHL3 mutation in the Kelch domain. FASEB Journal, 2022, 36, .	0.2	0