

# Chih-Wen Shu

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80  
papers

5,429  
citations

21  
h-index

73  
g-index

93  
ext. papers

6,415  
ext. citations

4.8  
avg, IF

4.49  
L-index

#	Paper	IF	Citations
80	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
79	Selection of mammalian cells based on their cell-cycle phase using dielectrophoresis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 20708-12	11.5	124
78	Chemical biology investigation of cell death pathways activated by endoplasmic reticulum stress reveals cytoprotective modulators of ASK1. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 1593-603	5.4	97
77	Oxidative stress-modulating drugs have preferential anticancer effects - involving the regulation of apoptosis, DNA damage, endoplasmic reticulum stress, autophagy, metabolism, and migration. <i>Seminars in Cancer Biology</i> , <b>2019</b> , 58, 109-117	12.7	89
76	Endoplasmic reticulum protein BI-1 regulates Ca <sup>2+</sup> -mediated bioenergetics to promote autophagy. <i>Genes and Development</i> , <b>2012</b> , 26, 1041-54	12.6	71
75	Drug Repurposing Screening Identifies Tioconazole as an ATG4 Inhibitor that Suppresses Autophagy and Sensitizes Cancer Cells to Chemotherapy. <i>Theranostics</i> , <b>2018</b> , 8, 830-845	12.1	70
74	DNA methylation, histone acetylation and methylation of epigenetic modifications as a therapeutic approach for cancers. <i>Cancer Letters</i> , <b>2016</b> , 373, 185-92	9.9	66
73	ATG4B (Autophagin-1) phosphorylation modulates autophagy. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 26549-61	5.4	61
72	High-throughput fluorescence assay for small-molecule inhibitors of autophagins/Atg4. <i>Journal of Biomolecular Screening</i> , <b>2011</b> , 16, 174-82		55
71	GRP78 and Raf-1 cooperatively confer resistance to endoplasmic reticulum stress-induced apoptosis. <i>Journal of Cellular Physiology</i> , <b>2008</b> , 215, 627-35	7	51
70	ATG4B promotes colorectal cancer growth independent of autophagic flux. <i>Autophagy</i> , <b>2014</b> , 10, 1454-65	10.2	48
69	Synthetic substrates for measuring activity of autophagy proteases: autophagins (Atg4). <i>Autophagy</i> , <b>2010</b> , 6, 936-47	10.2	46
68	Expression levels of cleaved caspase-3 and caspase-3 in tumorigenesis and prognosis of oral tongue squamous cell carcinoma. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180620	3.7	40
67	Lactobacillus acidophilus attenuates Salmonella-induced intestinal inflammation via TGF- $\beta$ signaling. <i>BMC Microbiology</i> , <b>2015</b> , 15, 203	4.5	35
66	Vimentin is a potential prognostic factor for tongue squamous cell carcinoma among five epithelial-mesenchymal transition-related proteins. <i>PLoS ONE</i> , <b>2017</b> , 12, e0178581	3.7	33
65	TNF-alpha mediates eosinophil cationic protein-induced apoptosis in BEAS-2B cells. <i>BMC Cell Biology</i> , <b>2010</b> , 11, 6		33
64	Enhanced cytotoxicity of natural killer cells following the acquisition of chimeric antigen receptors through trogocytosis. <i>PLoS ONE</i> , <b>2014</b> , 9, e109352	3.7	26

63	Targeting TPX2 Suppresses the Tumorigenesis of Hepatocellular Carcinoma Cells Resulting in Arrested Mitotic Phase Progression and Increased Genomic Instability. <i>Journal of Cancer</i> , <b>2017</b> , 8, 1378-1394	4.5	25
62	IsaB Inhibits Autophagic Flux to Promote Host Transmission of Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Journal of Investigative Dermatology</i> , <b>2015</b> , 135, 2714-2722	4.3	23
61	Ablation of ATG4B Suppressed Autophagy and Activated AMPK for Cell Cycle Arrest in Cancer Cells. <i>Cellular Physiology and Biochemistry</i> , <b>2017</b> , 44, 728-740	3.9	23
60	Subsite-specific association of DEAD box RNA helicase DDX60 with the development and prognosis of oral squamous cell carcinoma. <i>Oncotarget</i> , <b>2016</b> , 7, 85097-85108	3.3	23
59	New Flavones, a 2-(2-Phenylethyl)-4H-chromen-4-one Derivative, and Anti-Inflammatory Constituents from the Stem Barks of <i>Aquilaria sinensis</i> . <i>Molecules</i> , <b>2015</b> , 20, 20912-25	4.8	20
58	Transactivation of hsp70-1/2 in geldanamycin-treated human non-small cell lung cancer H460 cells: involvement of intracellular calcium and protein kinase C. <i>Journal of Cellular Biochemistry</i> , <b>2005</b> , 94, 1199-1209	4.7	20
57	<i>Propionibacterium acnes</i> in the pathogenesis and immunotherapy of acne vulgaris. <i>Current Drug Metabolism</i> , <b>2015</b> , 16, 245-54	3.5	20
56	Kinome-Wide siRNA Screening Identifies Src-Enhanced Resistance of Chemotherapeutic Drugs in Triple-Negative Breast Cancer Cells. <i>Frontiers in Pharmacology</i> , <b>2018</b> , 9, 1285	5.6	19
55	Map1lc3b and Sqstm1 Modulated Autophagy for Tumorigenesis and Prognosis in Certain Subsites of Oral Squamous Cell Carcinoma. <i>Journal of Clinical Medicine</i> , <b>2018</b> , 7,	5.1	18
54	Therapeutic Benefits of Induced Pluripotent Stem Cells in Monocrotaline-Induced Pulmonary Arterial Hypertension. <i>PLoS ONE</i> , <b>2016</b> , 11, e0142476	3.7	17
53	TRAIL, Wnt, Sonic Hedgehog, TGF $\beta$ , and miRNA Signalings Are Potential Targets for Oral Cancer Therapy. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	16
52	High throughput screening for drug discovery of autophagy modulators. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2012</b> , 15, 721-9	1.3	16
51	Differential autophagic effects of vital dyes in retinal pigment epithelial ARPE-19 and photoreceptor 661W cells. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174736	3.7	16
50	ERBB2-modulated ATG4B and autophagic cell death in human ARPE19 during oxidative stress. <i>PLoS ONE</i> , <b>2019</b> , 14, e0213932	3.7	15
49	Caspase-3 expression in tumorigenesis and prognosis of buccal mucosa squamous cell carcinoma. <i>Oncotarget</i> , <b>2017</b> , 8, 84237-84247	3.3	15
48	An evolutionarily acquired genotoxic response discriminates MyoD from Myf5, and differentially regulates hypaxial and epaxial myogenesis. <i>EMBO Reports</i> , <b>2011</b> , 12, 164-71	6.5	15
47	HSPD1 repressed E-cadherin expression to promote cell invasion and migration for poor prognosis in oral squamous cell carcinoma. <i>Scientific Reports</i> , <b>2019</b> , 9, 8932	4.9	14
46	Sorafenib suppresses TGF $\beta$ responses by inducing caveolae/lipid raft-mediated internalization/degradation of cell-surface type II TGF $\beta$ receptors: Implications in development of effective adjunctive therapy for hepatocellular carcinoma. <i>Biochemical Pharmacology</i> , <b>2018</b> , 154, 39-53	6	14

45	Sf-Caspase-1-repressed stable cells: resistance to apoptosis and augmentation of recombinant protein production. <i>Biotechnology and Applied Biochemistry</i> , <b>2007</b> , 48, 11-9	2.8	14
44	A novel sulfonyl chromen-4-ones (CHW09) preferentially kills oral cancer cells showing apoptosis, oxidative stress, and DNA damage. <i>Environmental Toxicology</i> , <b>2018</b> , 33, 1195-1203	4.2	14
43	Xanthium strumarium Fruit Extract Inhibits ATG4B and Diminishes the Proliferation and Metastatic Characteristics of Colorectal Cancer Cells. <i>Toxins</i> , <b>2019</b> , 11,	4.9	13
42	Differential clinical significance of COL5A1 and COL5A2 in tongue squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , <b>2019</b> , 48, 468-476	3.3	13
41	4-Hydroxywithanolide E selectively induces oxidative DNA damage for selective killing of oral cancer cells. <i>Environmental Toxicology</i> , <b>2018</b> , 33, 295-304	4.2	13
40	Four New 2-(2-Phenylethyl)-4H-chromen-4-one Derivatives from the Resinous Wood of <i>Aquilaria sinensis</i> and Their Inhibitory Activities on Neutrophil Pro-Inflammatory Responses. <i>Planta Medica</i> , <b>2018</b> , 84, 1340-1347	3.1	13
39	Caffeic Acid Phenethyl Ester Rescues Pulmonary Arterial Hypertension through the Inhibition of AKT/ERK-Dependent PDGF/HIF-1 $\alpha$ In Vitro and In Vivo. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	12
38	Selective cytotoxic effects of low-power laser irradiation on human oral cancer cells. <i>Lasers in Surgery and Medicine</i> , <b>2015</b> , 47, 756-64	3.6	12
37	New thymol derivatives and cytotoxic constituents from the root of <i>Eupatorium cannabinum</i> ssp. <i>asiaticum</i> . <i>Chemistry and Biodiversity</i> , <b>2014</b> , 11, 1374-80	2.5	12
36	New coumarins and anti-inflammatory constituents from the fruits of <i>Cnidium monnieri</i> . <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 9566-78	6.3	12
35	HSP70s: From Tumor Transformation to Cancer Therapy. <i>Clinical Medicine Oncology</i> , <b>2008</b> , 2, 335-45		11
34	RelA-Mediated BECN1 Expression Is Required for Reactive Oxygen Species-Induced Autophagy in Oral Cancer Cells Exposed to Low-Power Laser Irradiation. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160586	3.7	11
33	Halitosis vaccines targeting FomA, a biofilm-bridging protein of <i>fusobacteria nucleatum</i> . <i>Current Molecular Medicine</i> , <b>2013</b> , 13, 1358-67	2.5	11
32	(+)-(6aR,7R)-7-Hydroxy-N-Butyrylcaaverine, a New Aporphine Alkaloid from the Roots of <i>Illigera luzonensis</i> with Cytotoxic Activity. <i>Chemistry of Natural Compounds</i> , <b>2015</b> , 51, 739-742	0.7	10
31	The MAP3K7-mTOR Axis Promotes the Proliferation and Malignancy of Hepatocellular Carcinoma Cells. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 474	5.3	9
30	High snail expression predicts a poor prognosis in breast invasive ductal carcinoma patients with HER2/EGFR-positive subtypes. <i>Surgical Oncology</i> , <b>2018</b> , 27, 314-320	2.5	9
29	Co-modulated behavior and effects of differentially expressed miRNA in colorectal cancer. <i>BMC Genomics</i> , <b>2013</b> , 14 Suppl 5, S12	4.5	8
28	Sulfonyl chromen-4-ones (CHW09) shows an additive effect to inhibit cell growth of X-ray irradiated oral cancer cells, involving apoptosis and ROS generation. <i>International Journal of Radiation Biology</i> , <b>2019</b> , 95, 1226-1235	2.9	7

27	Epigenetic mechanisms in cancer: push and pull between kneaded erasers and fate writers. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 3183-91	7.3	7
26	Regulatory effects of noncoding RNAs on the interplay of oxidative stress and autophagy in cancer malignancy and therapy. <i>Seminars in Cancer Biology</i> , <b>2020</b> ,	12.7	7
25	Association of ATG4B and Phosphorylated ATG4B Proteins with Tumorigenesis and Prognosis in Oral Squamous Cell Carcinoma. <i>Cancers</i> , <b>2019</b> , 11,	6.6	7
24	Comparison of overall survival on surgical resection versus transarterial chemoembolization with or without radiofrequency ablation in intermediate stage hepatocellular carcinoma: a propensity score matching analysis. <i>BMC Gastroenterology</i> , <b>2020</b> , 20, 99	3	7
23	Kinome-Wide Screening with Small Interfering RNA Identified Polo-like Kinase 1 as a Key Regulator of Proliferation in Oral Cancer Cells. <i>Cancers</i> , <b>2019</b> , 11,	6.6	6
22	A New Chalcone and Antioxidant Constituents of <i>Glycyrrhiza glabra</i> . <i>Chemistry of Natural Compounds</i> , <b>2017</b> , 53, 632-634	0.7	6
21	A New Xanthone and Anti-Inflammatory Constituents of <i>Garcinia subelliptica</i> . <i>Chemistry of Natural Compounds</i> , <b>2017</b> , 53, 649-652	0.7	6
20	New Labdane-Type Diterpenoid and Cytotoxic Constituents of <i>Hedychium coronarium</i> . <i>Chemistry of Natural Compounds</i> , <b>2017</b> , 53, 72-76	0.7	5
19	Ethyl Acetate Extract of Exerts Preferential Killing to Oral Cancer Cells. <i>DNA and Cell Biology</i> , <b>2019</b> , 38, 763-772	3.6	5
18	The interplay of autophagy and oxidative stress in the pathogenesis and therapy of retinal degenerative diseases.. <i>Cell and Bioscience</i> , <b>2022</b> , 12, 1	9.8	5
17	Guanylate-binding protein 6 is a novel biomarker for tumorigenesis and prognosis in tongue squamous cell carcinoma. <i>Clinical Oral Investigations</i> , <b>2020</b> , 24, 2673-2682	4.2	5
16	UBE2C is a Potential Biomarker for Tumorigenesis and Prognosis in Tongue Squamous Cell Carcinoma. <i>Diagnostics</i> , <b>2020</b> , 10,	3.8	5
15	Metformin and rapamycin protect cells from vital dye-induced damage in retinal pigment epithelial cells and in vivo. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2020</b> , 258, 557-564	3.8	4
14	Antitumor Effects of a Sesquiterpene Derivative from Marine Sponge in Human Breast Cancer Cells. <i>Marine Drugs</i> , <b>2021</b> , 19,	6	4
13	Clinical features and outcomes of combined hepatocellular carcinoma and cholangiocarcinoma versus hepatocellular carcinoma versus cholangiocarcinoma after surgical resection: a propensity score matching analysis. <i>BMC Gastroenterology</i> , <b>2021</b> , 21, 20	3	4
12	Autophagy modulation as a potential targeted cancer therapy: From drug repurposing to new drug development. <i>Kaohsiung Journal of Medical Sciences</i> , <b>2021</b> , 37, 166-171	2.4	4
11	Hydrogels: Properties and Applications in Biomedicine.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	4
10	A New 2H-Pyran-2-One Derivative and Anti-inflammatory Constituents of <i>Alpinia zerumbet</i> . <i>Chemistry of Natural Compounds</i> , <b>2017</b> , 53, 40-43	0.7	3

9	Asunaprevir Evokes Hepatocytes Innate Immunity to Restrict the Replication of Hepatitis C and Dengue Virus. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 668	5.7	3
8	Tribulus terrestris fruit extract inhibits autophagic flux to diminish cell proliferation and metastatic characteristics of oral cancer cells. <i>Environmental Toxicology</i> , <b>2021</b> , 36, 1173-1180	4.2	3
7	A New Benzenoid and Anti-Inflammatory Constituent of Capparis acutifolia. <i>Chemistry of Natural Compounds</i> , <b>2017</b> , 53, 21-23	0.7	2
6	Clinicopathological Association of Autophagy Related 5 Protein with Prognosis of Colorectal Cancer. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	2
5	Prognostic role of RECK in pathological outcome-dependent buccal mucosa squamous cell carcinoma. <i>Oral Diseases</i> , <b>2020</b> , 26, 62-71	3.5	2
4	A Closer Look at Dexamethasone and the SARS-CoV-2-Induced Cytokine Storm: In Silico Insights of the First Life-Saving COVID-19 Drug.. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	2
3	Prognostic role of RECK in pathological outcome-dependent buccal mucosa squamous cell carcinoma <b>2020</b> , 26, 62		1
2	Tumor Susceptibility Gene 101 facilitates rapamycin-induced autophagic flux in neuron cells. <i>Biomedicine and Pharmacotherapy</i> , <b>2021</b> , 134, 111106	7.5	1
1	Discovery and Characterization of Chemical Inhibitors of UBC13.. <i>Blood</i> , <b>2012</b> , 120, 2950-2950	2.2	