

Chih-Wen Shu

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

7,155
citations

201674

27
h-index

58581

82
g-index

93
all docs

93
docs citations

93
times ranked

17530
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	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> , 2019, 58, 109-117.	9.6	144
3	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> , 2007, 104, 20708-20712.	7.1	133
4	Hydrogels: Properties and Applications in Biomedicine. <i>Molecules</i> , 2022, 27, 2902.	3.8	125
5	Chemical Biology Investigation of Cell Death Pathways Activated by Endoplasmic Reticulum Stress Reveals Cytoprotective Modulators of ASK1. <i>Journal of Biological Chemistry</i> , 2009, 284, 1593-1603.	3.4	117
6	Drug Repurposing Screening Identifies Tioconazole as an ATG4 Inhibitor that Suppresses Autophagy and Sensitizes Cancer Cells to Chemotherapy. <i>Theranostics</i> , 2018, 8, 830-845.	10.0	106
7	Endoplasmic reticulum protein BI-1 regulates Ca ²⁺ -mediated bioenergetics to promote autophagy. <i>Genes and Development</i> , 2012, 26, 1041-1054.	5.9	83
8	ATG4B (Autophagin-1) Phosphorylation Modulates Autophagy. <i>Journal of Biological Chemistry</i> , 2015, 290, 26549-26561.	3.4	82
9	DNA methylation, histone acetylation and methylation of epigenetic modifications as a therapeutic approach for cancers. <i>Cancer Letters</i> , 2016, 373, 185-192.	7.2	82
10	ATG4B promotes colorectal cancer growth independent of autophagic flux. <i>Autophagy</i> , 2014, 10, 1454-1465.	9.1	71
11	The interplay of autophagy and oxidative stress in the pathogenesis and therapy of retinal degenerative diseases. <i>Cell and Bioscience</i> , 2022, 12, 1.	4.8	66
12	GRP78 and Raf-1 cooperatively confer resistance to endoplasmic reticulum stress-induced apoptosis. <i>Journal of Cellular Physiology</i> , 2008, 215, 627-635.	4.1	63
13	Expression levels of cleaved caspase-3 and caspase-3 in tumorigenesis and prognosis of oral tongue squamous cell carcinoma. <i>PLoS ONE</i> , 2017, 12, e0180620.	2.5	58
14	High-Throughput Fluorescence Assay for Small-Molecule Inhibitors of Autophagins/Atg4. <i>Journal of Biomolecular Screening</i> , 2011, 16, 174-182.	2.6	57
15	Synthetic substrates for measuring activity of autophagy proteases-autophagins (Atg4). <i>Autophagy</i> , 2010, 6, 936-947.	9.1	50
16	<i>Lactobacillus acidophilus</i> attenuates <i>Salmonella</i> -induced intestinal inflammation via TGF- β 2 signaling. <i>BMC Microbiology</i> , 2015, 15, 203.	3.3	48
17	Targeting TPX2 Suppresses the Tumorigenesis of Hepatocellular Carcinoma Cells Resulting in Arrested Mitotic Phase Progression and Increased Genomic Instability. <i>Journal of Cancer</i> , 2017, 8, 1378-1394.	2.5	44
18	Vimentin is a potential prognostic factor for tongue squamous cell carcinoma among five epithelial-mesenchymal transition-related proteins. <i>PLoS ONE</i> , 2017, 12, e0178581.	2.5	44

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19	TRAIL, Wnt, Sonic Hedgehog, TGF β 2, and miRNA Signalings Are Potential Targets for Oral Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1523.	4.1	43
20	<i>Propionibacterium acnes&/i> in the Pathogenesis and Immunotherapy of Acne Vulgaris. <i>Current Drug Metabolism</i> , 2015, 16, 245-254.	1.2	38
21	TNF- α Mediates Eosinophil Cationic Protein-induced Apoptosis in BEAS-2B Cells. <i>BMC Cell Biology</i> , 2010, 11, 6.	3.0	37
22	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> , 2015, 20, 20912-20925.	3.8	33
23	IsaB Inhibits Autophagic Flux to Promote Host Transmission of Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Journal of Investigative Dermatology</i> , 2015, 135, 2714-2722.	0.7	33
24	Ablation of ATG4B Suppressed Autophagy and Activated AMPK for Cell Cycle Arrest in Cancer Cells. <i>Cellular Physiology and Biochemistry</i> , 2017, 44, 728-740.	1.6	30
25	Enhanced Cytotoxicity of Natural Killer Cells following the Acquisition of Chimeric Antigen Receptors through Trogocytosis. <i>PLoS ONE</i> , 2014, 9, e109352.	2.5	30
26	Subsite-specific association of DEAD box RNA helicase DDX60 with the development and prognosis of oral squamous cell carcinoma. <i>Oncotarget</i> , 2016, 7, 85097-85108.	1.8	30
27	Kinome-Wide siRNA Screening Identifies Src-Enhanced Resistance of Chemotherapeutic Drugs in Triple-Negative Breast Cancer Cells. <i>Frontiers in Pharmacology</i> , 2018, 9, 1285.	3.5	29
28	Caspase-3 expression in tumorigenesis and prognosis of buccal mucosa squamous cell carcinoma. <i>Oncotarget</i> , 2017, 8, 84237-84247.	1.8	28
29	Map1lc3b and Sqstm1 Modulated Autophagy for Tumorigenesis and Prognosis in Certain Subsites of Oral Squamous Cell Carcinoma. <i>Journal of Clinical Medicine</i> , 2018, 7, 478.	2.4	27
30	Therapeutic Benefits of Induced Pluripotent Stem Cells in Monocrotaline-Induced Pulmonary Arterial Hypertension. <i>PLoS ONE</i> , 2016, 11, e0142476.	2.5	27
31	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> , 2020, 20, 99.	2.0	23
32	Xanthium strumarium Fruit Extract Inhibits ATG4B and Diminishes the Proliferation and Metastatic Characteristics of Colorectal Cancer Cells. <i>Toxins</i> , 2019, 11, 313.	3.4	22
33	Sorafenib suppresses TGF- β 2 responses by inducing caveolae/lipid raft-mediated internalization/degradation of cell-surface type II TGF- β 2 receptors: Implications in development of effective adjunctive therapy for hepatocellular carcinoma. <i>Biochemical Pharmacology</i> , 2018, 154, 39-53.	4.4	21
34	Differential autophagic effects of vital dyes in retinal pigment epithelial ARPE-19 and photoreceptor 661W cells. <i>PLoS ONE</i> , 2017, 12, e0174736.	2.5	21
35	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> , 2005, 94, 1199-1209.	2.6	20
36	4-Hydroxywithanolide E selectively induces oxidative DNA damage for selective killing of oral cancer cells. <i>Environmental Toxicology</i> , 2018, 33, 295-304.	4.0	20

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37	A novel sulfonyl chromen-4-ones (CHW09) preferentially kills oral cancer cells showing apoptosis, oxidative stress, and DNA damage. <i>Environmental Toxicology</i> , 2018, 33, 1195-1203.	4.0	20
38	HSPD1 repressed E-cadherin expression to promote cell invasion and migration for poor prognosis in oral squamous cell carcinoma. <i>Scientific Reports</i> , 2019, 9, 8932.	3.3	20
39	ERBB2-modulated ATG4B and autophagic cell death in human ARPE19 during oxidative stress. <i>PLoS ONE</i> , 2019, 14, e0213932.	2.5	19
40	Regulatory effects of noncoding RNAs on the interplay of oxidative stress and autophagy in cancer malignancy and therapy. <i>Seminars in Cancer Biology</i> , 2022, 83, 269-282.	9.6	19
41	High snail expression predicts a poor prognosis in breast invasive ductal carcinoma patients with HER2/EGFR-positive subtypes. <i>Surgical Oncology</i> , 2018, 27, 314-320.	1.6	18
42	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> , 2018, 84, 1340-1347.	1.3	18
43	The MAP3K7-mTOR Axis Promotes the Proliferation and Malignancy of Hepatocellular Carcinoma Cells. <i>Frontiers in Oncology</i> , 2019, 9, 474.	2.8	18
44	Caffeic Acid Phenethyl Ester Rescues Pulmonary Arterial Hypertension through the Inhibition of AKT/ERK-Dependent PDGF/HIF-1 α In Vitro and In Vivo. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1468.	4.1	18
45	Differential clinical significance of COL5A1 and COL5A2 in tongue squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2019, 48, 468-476.	2.7	18
46	Autophagy modulation as a potential targeted cancer therapy: From drug repurposing to new drug development. <i>Kaohsiung Journal of Medical Sciences</i> , 2021, 37, 166-171.	1.9	18
47	Selective cytotoxic effects of low-power laser irradiation on human oral cancer cells. <i>Lasers in Surgery and Medicine</i> , 2015, 47, 756-764.	2.1	17
48	UBE2C is a Potential Biomarker for Tumorigenesis and Prognosis in Tongue Squamous Cell Carcinoma. <i>Diagnostics</i> , 2020, 10, 674.	2.6	17
49	Sf-Caspase-1-repressed stable cells: resistance to apoptosis and augmentation of recombinant protein production. <i>Biotechnology and Applied Biochemistry</i> , 2007, 48, 11.	3.1	16
50	High Throughput Screening for Drug Discovery of Autophagy Modulators. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2012, 15, 721-729.	1.1	16
51	New Coumarins and Anti-Inflammatory Constituents from the Fruits of <i>Cnidium monnieri</i> . <i>International Journal of Molecular Sciences</i> , 2014, 15, 9566-9578.	4.1	16
52	<i>Tribulus terrestris</i> fruit extract inhibits autophagic flux to diminish cell proliferation and metastatic characteristics of oral cancer cells. <i>Environmental Toxicology</i> , 2021, 36, 1173-1180.	4.0	16
53	An evolutionarily acquired genotoxic response discriminates MyoD from Myf5, and differentially regulates hypaxial and epaxial myogenesis. <i>EMBO Reports</i> , 2011, 12, 164-171.	4.5	15
54	New Thymol Derivatives and Cytotoxic Constituents from the Root of <i>Eupatorium cannabinum</i> ssp. <i>asiaticum</i> . <i>Chemistry and Biodiversity</i> , 2014, 11, 1374-1380.	2.1	15

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55	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> , 2019, 11, 1117.	3.7	15
56	Halitosis Vaccines Targeting FomA, a Biofilm-bridging Protein of <i>Fusobacteria nucleatum</i> . <i>Current Molecular Medicine</i> , 2013, 13, 1358-1367.	1.3	15
57	HSP70s: From Tumor Transformation to Cancer Therapy. <i>Clinical Medicine Oncology</i> , 2008, 2, CMO.S475.	0.3	14
58	Association of ATG4B and Phosphorylated ATG4B Proteins with Tumorigenesis and Prognosis in Oral Squamous Cell Carcinoma. <i>Cancers</i> , 2019, 11, 1854.	3.7	14
59	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> , 2016, 11, e0160586.	2.5	13
60	Guanylate-binding protein 6 is a novel biomarker for tumorigenesis and prognosis in tongue squamous cell carcinoma. <i>Clinical Oral Investigations</i> , 2020, 24, 2673-2682.	3.0	12
61	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> , 2021, 21, 20.	2.0	12
62	Antitumor Effects of a Sesquiterpene Derivative from Marine Sponge in Human Breast Cancer Cells. <i>Marine Drugs</i> , 2021, 19, 244.	4.6	11
63	(+)-(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> , 2015, 51, 739-742.	0.8	10
64	Co-modulated behavior and effects of differentially expressed miRNA in colorectal cancer. <i>BMC Genomics</i> , 2013, 14, S12.	2.8	9
65	Epigenetic mechanisms in cancer: push and pull between kneaded erasers and fate writers. <i>International Journal of Nanomedicine</i> , 2015, 10, 3183.	6.7	9
66	New Labdane-Type Diterpenoid and Cytotoxic Constituents of <i>Hedychium coronarium</i> . <i>Chemistry of Natural Compounds</i> , 2017, 53, 72-76.	0.8	9
67	A New Chalcone and Antioxidant Constituents of <i>Glycyrrhiza glabra</i> . <i>Chemistry of Natural Compounds</i> , 2017, 53, 632-634.	0.8	9
68	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> , 2019, 95, 1226-1235.	1.8	9
69	Physapruin A Induces Reactive Oxygen Species to Trigger Cytoprotective Autophagy of Breast Cancer Cells. <i>Antioxidants</i> , 2022, 11, 1352.	5.1	8
70	A New 2H-Pyran-2-One Derivative and Anti-inflammatory Constituents of <i>Alpinia zerumbet</i> . <i>Chemistry of Natural Compounds</i> , 2017, 53, 40-43.	0.8	7
71	Ethyl Acetate Extract of <i>Nepenthes ventricosa</i> x <i>maxima</i> Exerts Preferential Killing to Oral Cancer Cells. <i>DNA and Cell Biology</i> , 2019, 38, 763-772.	1.9	7
72	Tumor Susceptibility Gene 101 facilitates rapamycin-induced autophagic flux in neuron cells. <i>Biomedicine and Pharmacotherapy</i> , 2021, 134, 111106.	5.6	7

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73	Clinicopathological Association of Autophagy Related 5 Protein with Prognosis of Colorectal Cancer. <i>Diagnostics</i> , 2021, 11, 782.	2.6	7
74	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> , 2021, 10, 1507.	3.7	7
75	A New Xanthone and Anti-Inflammatory Constituents of <i>Garcinia subelliptica</i> . <i>Chemistry of Natural Compounds</i> , 2017, 53, 649-652.	0.8	6
76	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> , 2020, 258, 557-564.	1.9	6
77	Asunaprevir Evokes Hepatocytes Innate Immunity to Restrict the Replication of Hepatitis C and Dengue Virus. <i>Frontiers in Microbiology</i> , 2017, 8, 668.	3.5	5
78	Clinical Significance and the Role of Guanylate-Binding Protein 5 in Oral Squamous Cell Carcinoma. <i>Cancers</i> , 2021, 13, 4043.	3.7	5
79	Effect of EGFR on SQSTM1 Expression in Malignancy and Tumor Progression of Oral Squamous Cell Carcinoma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12226.	4.1	5
80	Kinome-Wide siRNA Screening Identifies DYRK1B as a Potential Therapeutic Target for Triple-Negative Breast Cancer Cells. <i>Cancers</i> , 2021, 13, 5779.	3.7	5
81	A New Benzenoid and Anti-Inflammatory Constituent of <i>Capparis acutifolia</i> . <i>Chemistry of Natural Compounds</i> , 2017, 53, 21-23.	0.8	4
82	Prognostic role of RECK in pathological outcome-dependent buccal mucosa squamous cell carcinoma. <i>Oral Diseases</i> , 2020, 26, 62-71.	3.0	4
83	Detection of Autophagy-Related Gene Expression by Conjunctival Impression Cytology in Age-Related Macular Degeneration. <i>Diagnostics</i> , 2021, 11, 296.	2.6	3
84	Sofosbuvir induces gene expression for promoting cell proliferation and migration of hepatocellular carcinoma cells. <i>Aging</i> , 0, , .	3.1	2
85	Prognostic role of RECK in pathological outcome-dependent buccal mucosa squamous cell carcinoma. , 2020, 26, 62.		1
86	Mechanical Strain Enhances TGF- β 2 Responsiveness by Altering TGF- β 2 Receptor Partitioning Between Submembrane Microdomains in Vascular Smooth Muscle Cells. <i>Journal of Biomaterials and Tissue Engineering</i> , 2017, 7, 1028-1037.	0.1	1
87	Combined Evaluation of MAP1LC3B and SQSTM1 for Biological and Clinical Significance in Ductal Carcinoma of Breast Cancer. <i>Biomedicines</i> , 2021, 9, 1514.	3.2	1
88	Discovery and Characterization of Chemical Inhibitors of UBC13.. <i>Blood</i> , 2012, 120, 2950-2950.	1.4	0
89	Abstract 4540: Development of a biochemical High Throughput Screening (HTS) assay for chemical inhibitors of MALT1, a target for lymphoma therapeutics.. , 2013, , .		0
90	Abstract LB-128: High throughput screening kinase activators of Atg4B for cancer therapy.. , 2013, , .		0