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	Regulatory effects of noncoding RNAs on the interplay of oxidative stress and autophagy in cancer malignancy and therapy. Seminars in Cancer Biology, 2022, 83, 269-282.	9.6	19
2	The interplay of autophagy and oxidative stress in the pathogenesis and therapy of retinal degenerative diseases. Cell and Bioscience, 2022, 12, 1.	4.8	66
3	Hydrogels: Properties and Applications in Biomedicine. Molecules, 2022, 27, 2902.	3.8	125
4	Physapruin A Induces Reactive Oxygen Species to Trigger Cytoprotective Autophagy of Breast Cancer Cells. Antioxidants, 2022, 11, 1352.	5.1	8
5	Tumor Susceptibility Gene 101 facilitates rapamycin-induced autophagic flux in neuron cells. Biomedicine and Pharmacotherapy, 2021, 134, 111106.	5.6	7
6	Clinical features and outcomes of combined hepatocellular carcinoma and cholangiocarcinoma versus hepatocellular carcinoma versus cholangiocarcinoma after surgical resection: a propensity score matching analysis. BMC Gastroenterology, 2021, 21, 20.	2.0	12
7	Detection of Autophagy-Related Gene Expression by Conjunctival Impression Cytology in Age-Related Macular Degeneration. Diagnostics, 2021, 11, 296.	2.6	3
8	Tribulus terrestris fruit extract inhibits autophagic flux to diminish cell proliferation and metastatic characteristics of oral cancer cells. Environmental Toxicology, 2021, 36, 1173-1180.	4.0	16
9	Clinicopathological Association of Autophagy Related 5 Protein with Prognosis of Colorectal Cancer. Diagnostics, 2021, 11, 782.	2.6	7
10	Antitumor Effects of a Sesquiterpene Derivative from Marine Sponge in Human Breast Cancer Cells. Marine Drugs, 2021, 19, 244.	4.6	11
11	Clinical Significance and the Role of Guanylate-Binding Protein 5 in Oral Squamous Cell Carcinoma. Cancers, 2021, 13, 4043.	3.7	5
12	Autophagy modulation as a potential targeted cancer therapy: From drug repurposing to new drug development. Kaohsiung Journal of Medical Sciences, 2021, 37, 166-171.	1.9	18
13	Combined Evaluation of MAP1LC3B and SQSTM1 for Biological and Clinical Significance in Ductal Carcinoma of Breast Cancer. Biomedicines, 2021, 9, 1514.	3.2	1
14	Effect of EGFR on SQSTM1 Expression in Malignancy and Tumor Progression of Oral Squamous Cell Carcinoma. International Journal of Molecular Sciences, 2021, 22, 12226.	4.1	5
15	Kinome-Wide siRNA Screening Identifies DYRK1B as a Potential Therapeutic Target for Triple-Negative Breast Cancer Cells. Cancers, 2021, 13, 5779.	3.7	5
16	A Closer Look at Dexamethasone and the SARS-CoV-2-Induced Cytokine Storm: In Silico Insights of the First Life-Saving COVID-19 Drug. Antibiotics, 2021, 10, 1507.	3.7	7
17	Prognostic role of RECK in pathological outcomeâ€dependent buccal mucosa squamous cell carcinoma. Oral Diseases, 2020, 26, 62-71.	3.0	4
18	Guanylate-binding protein 6 is a novel biomarker for tumorigenesis and prognosis in tongue squamous cell carcinoma. Clinical Oral Investigations, 2020, 24, 2673-2682.	3.0	12

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19	UBE2C is a Potential Biomarker for Tumorigenesis and Prognosis in Tongue Squamous Cell Carcinoma. Diagnostics, 2020, 10, 674.	2.6	17
20	Metformin and rapamycin protect cells from vital dyeâ€“induced damage in retinal pigment epithelial cells and in vivo. Graefe's Archive for Clinical and Experimental Ophthalmology, 2020, 258, 557-564.	1.9	6
21	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. BMC Gastroenterology, 2020, 20, 99.	2.0	23
22	Prognostic role of RECK in pathological outcome-dependent buccal mucosa squamous cell carcinoma. , 2020, 26, 62.		1
23	Oxidative stress-modulating drugs have preferential anticancer effects - involving the regulation of apoptosis, DNA damage, endoplasmic reticulum stress, autophagy, metabolism, and migration. Seminars in Cancer Biology, 2019, 58, 109-117.	9.6	144
24	Kinome-Wide Screening with Small Interfering RNA Identified Polo-like Kinase 1 as a Key Regulator of Proliferation in Oral Cancer Cells. Cancers, 2019, 11, 1117.	3.7	15
25	HSPD1 repressed E-cadherin expression to promote cell invasion and migration for poor prognosis in oral squamous cell carcinoma. Scientific Reports, 2019, 9, 8932.	3.3	20
26	Xanthium strumarium Fruit Extract Inhibits ATG4B and Diminishes the Proliferation and Metastatic Characteristics of Colorectal Cancer Cells. Toxins, 2019, 11, 313.	3.4	22
27	Ethyl Acetate Extract ofNepenthes ventricosa x maximaExerts Preferential Killing to Oral Cancer Cells. DNA and Cell Biology, 2019, 38, 763-772.	1.9	7
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. International Journal of Radiation Biology, 2019, 95, 1226-1235.	1.8	9
29	The MAP3K7-mTOR Axis Promotes the Proliferation and Malignancy of Hepatocellular Carcinoma Cells. Frontiers in Oncology, 2019, 9, 474.	2.8	18
30	Caffeic Acid Phenethyl Ester Rescues Pulmonary Arterial Hypertension through the Inhibition of AKT/ERK-Dependent PDGF/HIF-1Î± In Vitro and In Vivo. International Journal of Molecular Sciences, 2019, 20, 1468.	4.1	18
31	ERBB2-modulated ATG4B and autophagic cell death in human ARPE19 during oxidative stress. PLoS ONE, 2019, 14, e0213932.	2.5	19
32	Differential clinical significance of <scp>COL</scp>5A1 and <scp>COL</scp>5A2 in tongue squamous cell carcinoma. Journal of Oral Pathology and Medicine, 2019, 48, 468-476.	2.7	18
33	Association of ATG4B and Phosphorylated ATG4B Proteins with Tumorigenesis and Prognosis in Oral Squamous Cell Carcinoma. Cancers, 2019, 11, 1854.	3.7	14
34	Sorafenib suppresses TGF-Î² responses by inducing caveolae/lipid raft-mediated internalization/degradation of cell-surface type II TGF-Î² receptors: Implications in development of effective adjunctive therapy for hepatocellular carcinoma. Biochemical Pharmacology, 2018, 154, 39-53.	4.4	21
35	4Î²â€Hydroxywithanolide E selectively induces oxidative DNA damage for selective killing of oral cancer cells. Environmental Toxicology, 2018, 33, 295-304.	4.0	20
36	Kinome-Wide siRNA Screening Identifies Src-Enhanced Resistance of Chemotherapeutic Drugs in Triple-Negative Breast Cancer Cells. Frontiers in Pharmacology, 2018, 9, 1285.	3.5	29

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37	Map1lc3b and Sqstm1 Modulated Autophagy for Tumorigenesis and Prognosis in Certain Subsites of Oral Squamous Cell Carcinoma. Journal of Clinical Medicine, 2018, 7, 478.	2.4	27
38	A novel sulfonyl chromenâ€4â€ones (CHW09) preferentially kills oral cancer cells showing apoptosis, oxidative stress, and DNA damage. Environmental Toxicology, 2018, 33, 1195-1203.	4.0	20
39	High snail expression predicts a poor prognosis in breast invasive ductal carcinoma patients with HER2/EGFR-positive subtypes. Surgical Oncology, 2018, 27, 314-320.	1.6	18
40	Four New 2-(2-Phenylethyl)-4H-chromen-4-one Derivatives from the Resinous Wood of Aquilaria sinensis and Their Inhibitory Activities on Neutrophil Pro-Inflammatory Responses. Planta Medica, 2018, 84, 1340-1347.	1.3	18
41	Drug Repurposing Screening Identifies Tioconazole as an ATG4 Inhibitor that Suppresses Autophagy and Sensitizes Cancer Cells to Chemotherapy. Theranostics, 2018, 8, 830-845.	10.0	106
42	A New 2H-Pyran-2-One Derivative and Anti-inflammatory Constituents of Alpinia zerumbet. Chemistry of Natural Compounds, 2017, 53, 40-43.	0.8	7
43	A New Benzenoid and Anti-Inflammatory Constituent of Capparis acutifolia. Chemistry of Natural Compounds, 2017, 53, 21-23.	0.8	4
44	New Labdane-Type Diterpenoid and Cytotoxic Constituents of Hedychium coronarium. Chemistry of Natural Compounds, 2017, 53, 72-76.	0.8	9
45	A New Chalcone and Antioxidant Constituents of Glycyrrhiza glabra. Chemistry of Natural Compounds, 2017, 53, 632-634.	0.8	9
46	A New Xanthone and Anti-Inflammatory Constituents of Garcinia subelliptica. Chemistry of Natural Compounds, 2017, 53, 649-652.	0.8	6
47	Ablation of ATG4B Suppressed Autophagy and Activated AMPK for Cell Cycle Arrest in Cancer Cells. Cellular Physiology and Biochemistry, 2017, 44, 728-740.	1.6	30
48	Caspase-3 expression in tumorigenesis and prognosis of buccal mucosa squamous cell carcinoma. Oncotarget, 2017, 8, 84237-84247.	1.8	28
49	TRAIL, Wnt, Sonic Hedgehog, TGFÎ², and miRNA Signalings Are Potential Targets for Oral Cancer Therapy. International Journal of Molecular Sciences, 2017, 18, 1523.	4.1	43
50	Asunaprevir Evokes Hepatocytes Innate Immunity to Restrict the Replication of Hepatitis C and Dengue Virus. Frontiers in Microbiology, 2017, 8, 668.	3.5	5
51	Targeting TPX2 Suppresses the Tumorigenesis of Hepatocellular Carcinoma Cells Resulting in Arrested Mitotic Phase Progression and Increased Genomic Instability. Journal of Cancer, 2017, 8, 1378-1394.	2.5	44
52	Expression levels of cleaved caspase-3 and caspase-3 in tumorigenesis and prognosis of oral tongue squamous cell carcinoma. PLoS ONE, 2017, 12, e0180620.	2.5	58
53	Vimentin is a potential prognostic factor for tongue squamous cell carcinoma among five epithelialâ€“mesenchymal transition-related proteins. PLoS ONE, 2017, 12, e0178581.	2.5	44
54	Mechanical Strain Enhances TGF-Î² Responsiveness by Altering TGF-Î² Receptor Partitioning Between Submembrane Microdomains in Vascular Smooth Muscle Cells. Journal of Biomaterials and Tissue Engineering, 2017, 7, 1028-1037.	0.1	1

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55	Differential autophagic effects of vital dyes in retinal pigment epithelial ARPE-19 and photoreceptor 661W cells. PLoS ONE, 2017, 12, e0174736.	2.5	21
56	DNA methylation, histone acetylation and methylation of epigenetic modifications as a therapeutic approach for cancers. Cancer Letters, 2016, 373, 185-192.	7.2	82
57	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
58	Therapeutic Benefits of Induced Pluripotent Stem Cells in Monocrotaline-Induced Pulmonary Arterial Hypertension. PLoS ONE, 2016, 11, e0142476.	2.5	27
59	RelA-Mediated BECN1 Expression Is Required for Reactive Oxygen Species-Induced Autophagy in Oral Cancer Cells Exposed to Low-Power Laser Irradiation. PLoS ONE, 2016, 11, e0160586.	2.5	13
60	Subsite-specific association of DEAD box RNA helicase DDX60 with the development and prognosis of oral squamous cell carcinoma. Oncotarget, 2016, 7, 85097-85108.	1.8	30
61	Lactobacillus acidophilus attenuates Salmonella-induced intestinal inflammation via TGF-Î² signaling. BMC Microbiology, 2015, 15, 203.	3.3	48
62	Selective cytotoxic effects of low-power laser irradiation on human oral cancer cells. Lasers in Surgery and Medicine, 2015, 47, 756-764.	2.1	17
63	Epigenetic mechanisms in cancer: push and pull between kneaded erasers and fate writers. International Journal of Nanomedicine, 2015, 10, 3183.	6.7	9
64	New Flavones, a 2-(2-Phenylethyl)-4H-chromen-4-one Derivative, and Anti-Inflammatory Constituents from the Stem Barks of Aquilaria sinensis. Molecules, 2015, 20, 20912-20925.	3.8	33
65	ATG4B (Autophagin-1) Phosphorylation Modulates Autophagy. Journal of Biological Chemistry, 2015, 290, 26549-26561.	3.4	82
66	(+)-(6aR,7R)-7-Hydroxy-N-Butyrylcaaverine, a New Aporphine Alkaloid from the Roots of Illigera luzonensis with Cytotoxic Activity. Chemistry of Natural Compounds, 2015, 51, 739-742.	0.8	10
67	IsaB Inhibits Autophagic Flux to Promote Host Transmission of Methicillin-Resistant Staphylococcus aureus. Journal of Investigative Dermatology, 2015, 135, 2714-2722.	0.7	33
68	<i>Propionibacterium acnes</i> in the Pathogenesis and Immunotherapy of Acne Vulgaris. Current Drug Metabolism, 2015, 16, 245-254.	1.2	38
69	ATG4B promotes colorectal cancer growth independent of autophagic flux. Autophagy, 2014, 10, 1454-1465.	9.1	71
70	New Thymol Derivatives and Cytotoxic Constituents from the Root of Eupatorium cannabinum ssp. asiaticum. Chemistry and Biodiversity, 2014, 11, 1374-1380.	2.1	15
71	New Coumarins and Anti-Inflammatory Constituents from the Fruits of Cnidium monnieri. International Journal of Molecular Sciences, 2014, 15, 9566-9578.	4.1	16
72	Enhanced Cytotoxicity of Natural Killer Cells following the Acquisition of Chimeric Antigen Receptors through Trogocytosis. PLoS ONE, 2014, 9, e109352.	2.5	30

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73	Co-modulated behavior and effects of differentially expressed miRNA in colorectal cancer. BMC Genomics, 2013, 14, S12.	2.8	9
74	Halitosis Vaccines Targeting FomA, a Biofilm-bridging Protein of Fusobacteria nucleatum. Current Molecular Medicine, 2013, 13, 1358-1367.	1.3	15
75	Abstract 4540: Development of a biochemical High Throughput Screening (HTS) assay for chemical inhibitors of MALT1, a target for lymphoma therapeutics.. , 2013, , .		0
76	Abstract LB-128: High throughput screening kinase activators of Atg4B for cancer therapy.. , 2013, , .		0
77	High Throughput Screening for Drug Discovery of Autophagy Modulators. Combinatorial Chemistry and High Throughput Screening, 2012, 15, 721-729.	1.1	16
78	Endoplasmic reticulum protein BI-1 regulates Ca²⁺-mediated bioenergetics to promote autophagy. Genes and Development, 2012, 26, 1041-1054.	5.9	83
79	Discovery and Characterization of Chemical Inhibitors of UBC13.. Blood, 2012, 120, 2950-2950.	1.4	0
80	An evolutionarily acquired genotoxic response discriminates MyoD from Myf5, and differentially regulates hypaxial and epaxial myogenesis. EMBO Reports, 2011, 12, 164-171.	4.5	15
81	High-Throughput Fluorescence Assay for Small-Molecule Inhibitors of Autophagins/Atg4. Journal of Biomolecular Screening, 2011, 16, 174-182.	2.6	57
82	TNF-Î± Mediates Eosinophil Cationic Protein-induced Apoptosis in BEAS-2B Cells. BMC Cell Biology, 2010, 11, 6.	3.0	37
83	Synthetic substrates for measuring activity of autophagy proteases-autophagins (Atg4). Autophagy, 2010, 6, 936-947.	9.1	50
84	Chemical Biology Investigation of Cell Death Pathways Activated by Endoplasmic Reticulum Stress Reveals Cytoprotective Modulators of ASK1. Journal of Biological Chemistry, 2009, 284, 1593-1603.	3.4	117
85	GRP78 and Rafâ€1 cooperatively confer resistance to endoplasmic reticulum stressâ€induced apoptosis. Journal of Cellular Physiology, 2008, 215, 627-635.	4.1	63
86	HSP70s: From Tumor Transformation to Cancer Therapy. Clinical Medicine Oncology, 2008, 2, CMO.S475.	0.3	14
87	Selection of mammalian cells based on their cell-cycle phase using dielectrophoresis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20708-20712.	7.1	133
88	Sf-Caspase-1-repressed stable cells: resistance to apoptosis and augmentation of recombinant protein production. Biotechnology and Applied Biochemistry, 2007, 48, 11.	3.1	16
89	Transactivation ofhsp70-1/2 in geldanamycin-treated human non-small cell lung cancer H460 cells: Involvement of intracellular calcium and protein kinase C. Journal of Cellular Biochemistry, 2005, 94, 1199-1209.	2.6	20
90	Sofosbuvir induces gene expression for promoting cell proliferation and migration of hepatocellular carcinoma cells. Aging, 0, , .	3.1	2