

# Betty Yuen-Kwan Law

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

7,307  
citations

201385

27  
h-index

62479

80  
g-index

82  
all docs

82  
docs citations

82  
times ranked

15968  
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.	4.3	4,701
2	Polyphyllin VI Induces Caspase-1-Mediated Pyroptosis via the Induction of ROS/NF- $\kappa$ B/NLRP3/GSDMD Signal Axis in Non-Small Cell Lung Cancer. <i>Cancers</i> , 2020, 12, 193.	1.7	195
3	Natural small-molecule enhancers of autophagy induce autophagic cell death in apoptosis-defective cells. <i>Scientific Reports</i> , 2014, 4, 5510.	1.6	129
4	Selective Inhibition of Lysine-Specific Demethylase 5A (KDM5A) Using a Rhodium(III) Complex for Triple-Negative Breast Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13091-13095.	7.2	125
5	Onjisaponin B Derived from Radix Polygalae Enhances Autophagy and Accelerates the Degradation of Mutant I $\kappa$ Synuclein and Huntingtin in PC-12 Cells. <i>International Journal of Molecular Sciences</i> , 2013, 14, 22618-22641.	1.8	111
6	Targeting microglial autophagic degradation in NLRP3 inflammasome-mediated neurodegenerative diseases. <i>Ageing Research Reviews</i> , 2021, 65, 101202.	5.0	104
7	Neferine Attenuates the Protein Level and Toxicity of Mutant Huntingtin in PC-12 Cells via Induction of Autophagy. <i>Molecules</i> , 2015, 20, 3496-3514.	1.7	80
8	Dicoumarol, an NQO1 inhibitor, blocks cccDNA transcription by promoting degradation of HBx. <i>Journal of Hepatology</i> , 2021, 74, 522-534.	1.8	75
9	Hernandezine, a novel AMPK activator induces autophagic cell death in drug-resistant cancers. <i>Oncotarget</i> , 2016, 7, 8090-8104.	0.8	74
10	Hederagenin and I $\kappa$ -hederin promote degradation of proteins in neurodegenerative diseases and improve motor deficits in MPTP-mice. <i>Pharmacological Research</i> , 2017, 115, 25-44.	3.1	63
11	SIRT3 restricts hepatitis B virus transcription and replication through epigenetic regulation of covalently closed circular DNA involving suppressor of variegation 3 $\alpha$ homolog 1 and SET domain containing 1A histone methyltransferases. <i>Hepatology</i> , 2018, 68, 1260-1276.	3.6	60
12	Polyphyllin VI, a saponin from <i>Trillium tschonoskii</i> Maxim. induces apoptotic and autophagic cell death via the ROS triggered mTOR signaling pathway in non-small cell lung cancer. <i>Pharmacological Research</i> , 2019, 147, 104396.	3.1	60
13	Ca <sup>2+</sup> signalling plays a role in celestrol-mediated suppression of synovial fibroblasts of rheumatoid arthritis patients and experimental arthritis in rats. <i>British Journal of Pharmacology</i> , 2019, 176, 2922-2944.	2.7	57
14	Inhibition of IL-6/JAK/STAT3 pathway rescues denervation-induced skeletal muscle atrophy. <i>Annals of Translational Medicine</i> , 2020, 8, 1681-1681.	0.7	54
15	New Potential Pharmacological Functions of Chinese Herbal Medicines via Regulation of Autophagy. <i>Molecules</i> , 2016, 21, 359.	1.7	50
16	Effect of Inulin-Type Carbohydrates on Insulin Resistance in Patients with Type 2 Diabetes and Obesity: A Systematic Review and Meta-Analysis. <i>Journal of Diabetes Research</i> , 2019, 2019, 1-13.	1.0	47
17	Lipotoxicity-induced mtDNA release promotes diabetic cardiomyopathy by activating the cGAS-STING pathway in obesity-related diabetes. <i>Cell Biology and Toxicology</i> , 2023, 39, 277-299.	2.4	46
18	Neferine induces autophagy-dependent cell death in apoptosis-resistant cancers via ryanodine receptor and Ca <sup>2+</sup> -dependent mechanism. <i>Scientific Reports</i> , 2019, 9, 20034.	1.6	44

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19	Lychee seed polyphenol inhibits A $\beta$ <sup>2</sup> -induced activation of NLRP3 inflammasome via the LRP1/AMPK mediated autophagy induction. <i>Biomedicine and Pharmacotherapy</i> , 2020, 130, 110575.	2.5	41
20	Corilagin prevents SARS-CoV-2 infection by targeting RBD-ACE2 binding. <i>Phytomedicine</i> , 2021, 87, 153591.	2.3	41
21	Autophagic degradation of epidermal growth factor receptor in gefitinib-resistant lung cancer by celastrol. <i>International Journal of Oncology</i> , 2016, 49, 1576-1588.	1.4	38
22	Lychee seed polyphenol protects the blood-brain barrier through inhibiting A $\beta$ <sup>25-35</sup> -induced NLRP3 inflammasome activation via the AMPK/mTOR/ULK1-mediated autophagy in BEnd.3 cells and APP/PS1 mice. <i>Phytotherapy Research</i> , 2021, 35, 954-973.	2.8	36
23	Dietary Plant Polyphenols as the Potential Drugs in Neurodegenerative Diseases: Current Evidence, Advances, and Opportunities. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-40.	1.9	36
24	Pharmacogenomics of Scopoletin in Tumor Cells. <i>Molecules</i> , 2016, 21, 496.	1.7	35
25	Thalidezine, a novel AMPK activator, eliminates apoptosis-resistant cancer cells through energy-mediated autophagic cell death. <i>Oncotarget</i> , 2017, 8, 30077-30091.	0.8	34
26	Targeting Nrf2-Mediated Oxidative Stress Response in Traumatic Brain Injury: Therapeutic Perspectives of Phytochemicals. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-24.	1.9	33
27	Autophagic effects of Chaihu (dried roots of Bupleurum Chinense DC or Bupleurum) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 42	1.6	32
28	Effects of metformin treatment on radiotherapy efficacy in patients with cancer and diabetes: a systematic review and meta-analysis. <i>Cancer Management and Research</i> , 2018, Volume 10, 4881-4890.	0.9	30
29	SERCA and P-glycoprotein inhibition and ATP depletion are necessary for celastrol-induced autophagic cell death and collateral sensitivity in multidrug-resistant tumor cells. <i>Pharmacological Research</i> , 2020, 153, 104660.	3.1	29
30	1,2,3,4,6-Pentagalloyl Glucose, a RBD-ACE2 Binding Inhibitor to Prevent SARS-CoV-2 Infection. <i>Frontiers in Pharmacology</i> , 2021, 12, 634176.	1.6	28
31	Identification of novel autophagic Radix Polygalae fraction by cell membrane chromatography and UHPLC-Q/TOF-MS for degradation of neurodegenerative disease proteins. <i>Scientific Reports</i> , 2015, 5, 17199.	1.6	27
32	New perspectives of cobalt tris(bipyridine) system: anti-cancer effect and its collateral sensitivity towards multidrug-resistant (MDR) cancers. <i>Oncotarget</i> , 2017, 8, 55003-55021.	0.8	27
33	Bavachin Protects Human Aortic Smooth Muscle Cells Against $\beta$ <sup>2</sup> -Glycerophosphate-Mediated Vascular Calcification and Apoptosis via Activation of mTOR-Dependent Autophagy and Suppression of $\beta$ <sup>2</sup> -Catenin Signaling. <i>Frontiers in Pharmacology</i> , 2019, 10, 1427.	1.6	27
34	High-throughput screening for amyloid- $\beta$ <sup>2</sup> binding natural small-molecules based on the combinational use of biolayer interferometry and UHPLC-DAD-Q/TOF-MS/MS. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 1723-1739.	5.7	27
35	The active components derived from Penthorum chinense Pursh protect against oxidative-stress-induced vascular injury via autophagy induction. <i>Free Radical Biology and Medicine</i> , 2020, 146, 160-180.	1.3	26
36	Potential therapeutic compounds from traditional Chinese medicine targeting endoplasmic reticulum stress to alleviate rheumatoid arthritis. <i>Pharmacological Research</i> , 2021, 170, 105696.	3.1	26

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37	Advanced research technology for discovery of new effective compounds from Chinese herbal medicine and their molecular targets. <i>Pharmacological Research</i> , 2016, 111, 546-555.	3.1	25
38	Icariin enhances youth-like features by attenuating the declined gut microbiota in the aged mice. <i>Pharmacological Research</i> , 2021, 168, 105587.	3.1	25
39	Pathogenesis of thromboangiitis obliterans: Gene polymorphism and immunoregulation of human vascular endothelial cells. <i>Atherosclerosis</i> , 2017, 265, 258-265.	0.4	24
40	Semi-synthetic isoflavones as BACE-1 inhibitors against Alzheimer's disease. <i>Bioorganic Chemistry</i> , 2019, 87, 474-483.	2.0	24
41	A Functional Variant in Ubiquitin Conjugating Enzyme E2 L3 Contributes to Hepatitis B Virus Infection and Maintains Covalently Closed Circular DNA Stability by Inducing Degradation of Apolipoprotein B mRNA Editing Enzyme Catalytic Subunit 3A. <i>Hepatology</i> , 2019, 69, 1885-1902.	3.6	24
42	Aspirin alleviates denervation-induced muscle atrophy via regulating the Sirt1/PGC-1 $\beta$ axis and STAT3 signaling. <i>Annals of Translational Medicine</i> , 2020, 8, 1524-1524.	0.7	23
43	Polygala saponins inhibit NLRP3 inflammasome-mediated neuroinflammation via SHP-2-Mediated mitophagy. <i>Free Radical Biology and Medicine</i> , 2022, 179, 76-94.	1.3	23
44	Advances on Cell Autophagy and Its Potential Regulatory Factors in Renal Ischemia-Reperfusion Injury. <i>DNA and Cell Biology</i> , 2019, 38, 895-904.	0.9	21
45	Current pharmacological intervention and development of targeting IVIG resistance in Kawasaki disease. <i>Current Opinion in Pharmacology</i> , 2020, 54, 72-81.	1.7	20
46	Ferulic Acid Exerts Neuroprotective Effects via Autophagy Induction in <i>C. elegans</i> and Cellular Models of Parkinson's Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-19.	1.9	20
47	Selective Inhibition of Lysine-Specific Demethylase 5A (KDM5A) Using a Rhodium(III) Complex for Triple-Negative Breast Cancer Therapy. <i>Angewandte Chemie</i> , 2018, 130, 13275-13279.	1.6	19
48	SIRT7 restricts HBV transcription and replication through catalyzing desuccinylation of histone H3 associated with cccDNA minichromosome. <i>Clinical Science</i> , 2021, 135, 1505-1522.	1.8	19
49	Extracellular Vesicle Delivery of Neferine for the Attenuation of Neurodegenerative Disease Proteins and Motor Deficit in an Alzheimer's Disease Mouse Model. <i>Pharmaceutics</i> , 2022, 15, 83.	1.7	19
50	Chinese Medicine: A Hope for Neurodegenerative Diseases?. <i>Journal of Alzheimer's Disease</i> , 2017, 60, S151-S160.	1.2	18
51	Novel steroidal saponin isolated from <i>Trillium tschonoskii</i> maxim. exhibits anti-oxidative effect via autophagy induction in cellular and <i>Caenorhabditis elegans</i> models. <i>Phytomedicine</i> , 2019, 65, 153088.	2.3	18
52	Natural products-based polypharmacological modulation of the peripheral immune system for the treatment of neuropsychiatric disorders. , 2020, 208, 107480.		18
53	Rh2E2, a novel metabolic suppressor, specifically inhibits energy-based metabolism of tumor cells. <i>Oncotarget</i> , 2016, 7, 9907-9924.	0.8	18
54	Traditional Patchouli essential oil modulates the host's immune responses and gut microbiota and exhibits potent anti-cancer effects in Apc mice. <i>Pharmacological Research</i> , 2022, 176, 106082.	3.1	18

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55	Novel dauricine derivatives suppress cancer via autophagy-dependent cell death. <i>Bioorganic Chemistry</i> , 2019, 83, 450-460.	2.0	17
56	ZYZ-168 alleviates cardiac fibrosis after myocardial infarction through inhibition of ERK1/2-dependent ROCK1 activation. <i>Scientific Reports</i> , 2017, 7, 43242.	1.6	16
57	2-Aminoethoxydiphenylborane sensitizes anti-tumor effect of bortezomib via suppression of calcium-mediated autophagy. <i>Cell Death and Disease</i> , 2018, 9, 361.	2.7	16
58	The New Application of UHPLC-DAD-TOF/MS in Identification of Inhibitors on $\beta$ -Amyloid Fibrillation From <i>Scutellaria baicalensis</i> . <i>Frontiers in Pharmacology</i> , 2019, 10, 194.	1.6	16
59	Adjuvant herbal therapy for targeting susceptibility genes to Kawasaki disease: An overview of epidemiology, pathogenesis, diagnosis and pharmacological treatment of Kawasaki disease. <i>Phytomedicine</i> , 2020, 70, 153208.	2.3	16
60	Natural Citrus flavanone 5-demethylnobiletin stimulates melanogenesis through the activation of cAMP/CREB pathway in B16F10 cells. <i>Phytomedicine</i> , 2022, 98, 153941.	2.3	16
61	Niacin analogue, 6-Aminonicotinamide, a novel inhibitor of hepatitis B virus replication and HBsAg production. <i>EBioMedicine</i> , 2019, 49, 232-246.	2.7	15
62	NAD(P)H: Quinone oxidoreductase 1 overexpression in hepatocellular carcinoma potentiates apoptosis evasion through regulating stabilization of X-linked inhibitor of apoptosis protein. <i>Cancer Letters</i> , 2019, 451, 156-167.	3.2	15
63	Novel ginsenoside derivative 20(S)-Rh2E2 suppresses tumor growth and metastasis in vivo and in vitro via intervention of cancer cell energy metabolism. <i>Cell Death and Disease</i> , 2020, 11, 621.	2.7	15
64	Overexpression of ubiquitin-conjugating enzyme E2 L3 in hepatocellular carcinoma potentiates apoptosis evasion by inhibiting the GSK3 $\beta$ /p65 pathway. <i>Cancer Letters</i> , 2020, 481, 1-14.	3.2	14
65	Targeting autophagy as a therapeutic strategy for identification of ligandans from <i>Peristrophe japonica</i> in Parkinson's disease. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 67.	7.1	13
66	Resveratrol decreases cell apoptosis through inhibiting DNA damage in bronchial epithelial cells. <i>International Journal of Molecular Medicine</i> , 2020, 45, 1673-1684.	1.8	12
67	Non-Digestible Carbohydrate and the Risk of Colorectal Neoplasia: A Systematic Review. <i>Nutrition and Cancer</i> , 2021, 73, 31-44.	0.9	11
68	Saponins isolated from <i>Radix polygalae</i> extend lifespan by modulating complement C3 and gut microbiota. <i>Pharmacological Research</i> , 2021, 170, 105697.	3.1	11
69	Transcriptome Analysis of Immune Receptor Activation and Energy Metabolism Reduction as the Underlying Mechanisms in Interleukin-6-Induced Skeletal Muscle Atrophy. <i>Frontiers in Immunology</i> , 2021, 12, 730070.	2.2	11
70	Synthesis, computational docking and biological evaluation of celastrol derivatives as dual inhibitors of SERCA and P-glycoprotein in cancer therapy. <i>European Journal of Medicinal Chemistry</i> , 2021, 224, 113676.	2.6	11
71	The present and future synthetic strategies of structural modifications of sinomenine. <i>Organic Chemistry Frontiers</i> , 2020, 7, 4089-4107.	2.3	10
72	Sirtuin 5 deficiency increases disease severity in rats with adjuvant-induced arthritis. <i>Cellular and Molecular Immunology</i> , 2020, 17, 1190-1192.	4.8	9

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73	<i>Citri Reticulatae</i> Semen Extract Promotes Healthy Aging and Neuroprotection via Autophagy Induction in <i>Caenorhabditis elegans</i> . <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 2186-2194.	1.7	9
74	A Novel Drug Resistance Mechanism: Genetic Loss of Xeroderma Pigmentosum Complementation Group C (XPC) Enhances Glycolysis-Mediated Drug Resistance in DLD-1 Colon Cancer Cells. <i>Frontiers in Pharmacology</i> , 2019, 10, 912.	1.6	7
75	Far infrared irradiation suppresses experimental arthritis in rats by down-regulation of genes involved inflammatory response and autoimmunity. <i>Journal of Advanced Research</i> , 2022, 38, 107-118.	4.4	6
76	Biological Evaluation in Resistant Cancer Cells and Study of Mechanism of Action of Arylviny-1,2,4-Trioxanes. <i>Pharmaceuticals</i> , 2022, 15, 360.	1.7	6
77	AGEs-Induced Calcification and Apoptosis in Human Vascular Smooth Muscle Cells Is Reversed by Inhibition of Autophagy. <i>Frontiers in Pharmacology</i> , 2021, 12, 692431.	1.6	4
78	Targeting autophagy in ethnomedicine against human diseases. <i>Journal of Ethnopharmacology</i> , 2022, 282, 114516.	2.0	2
79	2-Bromo-3-((1-(7-chloroquinolin-4-yl)-1H-1,2,3-triazol-4-yl)-methoxy)-benzaldehyde. <i>MolBank</i> , 2022, 2022, M1351.	0.2	2
80	Atomic zinc sites with hierarchical porous carbon for high-throughput chemical screening with high loading capacity and stability. <i>Pharmacological Research</i> , 2022, 178, 106154.	3.1	1
81	InnenrÄ¼cktitelbild: Selective Inhibition of Lysineâ€specific Demethylase 5A (KDM5A) Using a Rhodium(III) Complex for Tripleâ€Negative Breast Cancer Therapy ( <i>Angew. Chem.</i> 40/2018). <i>Angewandte Chemie</i> , 2018, 130, 13533-13533.	1.6	0