

United States Patent and Trademark Office / 美國專利與商標局

<u>Granted in Year 2015</u>				
1	US Utility Patent No. 9,005,677	<u>B-Y-K Law</u> , <u>O-G Wu</u> , <u>V-K-W Wong</u> , <u>L Liu</u>	Novel autophagy enhancer for treatment of neurodegenerative diseases	(2015/4/14) Granted (2014/3/31) Filed
2	US Utility Patent No. 9,018,196	<u>L Liu</u> , <u>T Li</u> , F-G Yan	Development of a new formulation overcoming thymus atrophy with concomitantly enhancement of anti-inflammatory effect of dexamethasone	(2015/4/28) Granted (2014/4/14) Filed
3	US Utility Patent No. 9,051,348	<u>L Liu</u> , <u>L-P Bai</u> , <u>H Dong</u> , <u>V-K-W Wong</u> , <u>Z-H Jiang</u> , <u>H Zhou</u>	Ginsenoside with anti-cancer activity and the preparation method thereof	(2015/6/9) Granted (2013/9/30) Filed
4	US Utility Patent No. 9,119,847	<u>B-Y-K Law</u> , <u>V-K-W Wong</u> , <u>L Liu</u>	Neferine and the use thereof in treating Huntington disease	(2015/9/1) Granted (2014/12/8) Filed

Granted in Year 2016

5	US Utility Patent No. 9,273,088	<u>J-R Wang, P Luo, H Zhou, P-W-I Chan, L Liu, Z-H Jiang</u>	Ginsenoside derivative compounds and the use thereof against Ischemia / Reperfusion injury	(2016/3/1) Granted (2013/10/17) Filed
6	US Utility Patent No. 9,364,469	<u>E-L-H Leung, X-J Yao, V-K-W Wong, L Liu, X Chen</u>	Identification of a new AMPK activator for treatment of lung cancer	(2016/6/14) Granted (2015/10/29) Filed
7	US Utility Patent No. 9,439,898	<u>E-L-H Leung, L Liu, X-X Fan</u>	Methods for novel drug discovery, treatment and selective targeting for Gefitinib-resistant non-small-cell lung cancer harboring T790M mutation	(2016/9/13) Granted (2014/6/5) Filed
8	US Utility Patent No. 9,522,125	<u>X-J Yao, E-L-H Leung, L-X Luo, W-W-L Hsiao, L Liu</u>	Method of treating cancer	(2016/12/20) Granted (2015/11/19) Filed
9	US Utility Patent No. 9,526,722	<u>X-J Yao, E-L-H Leung, L-X Luo, Y-L Zhou, L Liu</u>	Oncogenic ROS1 kinase inhibitor	(2016/12/27) Granted (2015/6/19) Filed

Granted in Year 2017

10	US Utility Patent No. 9,561,219	<u>V-K-W Wong, B-Y-K Law, L Liu, J-R Wang</u>	Group of alkaloids, the novel autophagic enhancers for treatment of cancers and neurodegenerative conditions thereof	(2017/2/7) Granted (2015/12/31) Filed
11	US Utility Patent No. 9,561,220			
12	US Utility Patent No. 9,561,221			
13	US Utility Patent No. 9,561,222			
14	US Utility Patent No. 9,561,223			
15	US Utility Patent No. 9,597,299	<u>E-L-H Leung, X-X Fan, L Liu, Z-B Jiang</u>	Method for treating Gefitinib-resistant non-small-cell lung cancer	(2017/3/21) Granted (2015/2/17) Filed
16	US Utility Patent No. 9,600,861	<u>Y Liang, Z-B Xu, L-Y Xia, X-Y Liu</u>	Single image super-resolution method using transform-invariant directional total variation with $S_{1/2}+L_{1/2}$ -norm	(2017/3/21) Granted (2015/8/25) Filed
17	US Utility Patent No. 9,624,237	J Pi, <u>J-Y Cai</u> , H Jin	Oridonin functionalized selenium nanoparticles and method of preparation thereof	(2017/4/18) Granted (2015/6/19) Filed
18	US Utility Patent No. 9,675,608	<u>V-K-W Wong, B-Y-K Law, L Liu</u>	Identification of natural small-molecules AMPK activators for treatment of cancers or multidrug-resistant cancers	(2017/6/13) Granted (2015/10/28) Filed
19	US Utility Patent No. 9,744,145	<u>L Liu, E-L-H Leung, X-J Yao, R-Z Li</u>	Methods for treating lung cancer	(2017/8/29) Granted (2017/1/16) Filed
20	US Utility Patent No. 9,782,400	<u>X-J Yao, E-L-H Leung, L-X Luo, L Liu</u>	Oncogenic ROS1 and ALK kinase inhibitor	(2017/10/10) Granted (2015/12/2) Filed

21	US Utility Patent No. 9,782,401	Z-H Jiang , J-R Wang , C-Y Chen , G-Y Zhu	Method of isolating Phenanthroindolizidine alkaloids from <i>Tylophora atrofolliculata</i> with HIF-1 inhibitory activity, compositions comprising them and their use	(2017/10/10) Granted (2016/4/29) Filed
22	US Utility Patent No. 9,808,439	W-Z Ma , S-L Feng, X-J Yao , Z-W Yuen, L Liu , Y Xie	Use of Tangeretin in cancer treatment	(2017/11/7) Granted (2015/9/9) Filed
23	US Utility Patent No. 9,808,477	W-Z Ma , S-L Feng, X-J Yao , Z-W Yuen, L Liu , Y Xie	Use of Nobiletin in cancer treatment	(2017/11/7) Granted (2015/9/9) Filed

Granted in Year 2018

24	US Utility Patent No 9,855,250	L Liu , E-L-H Leung , X-J Yao , V-K-W Wong , X Chen	Method to treat lung cancer	(2018/1/2) Granted (2016/11/14) Filed
25	US Utility Patent No 9,861,623	L Liu , D-C Ward , E-L-H Leung , X-J Yao , V-K-W Wong , L-X Luo	Combination treatment of RAS-positive diseases with PDEd inhibitor and direct autophagy inhibitor	(2018/1/9) Granted (2016/10/28) Filed
26	US Utility Patent No 9,884,046	X-J Yao , E-L-H Leung , L Liu , X-X Fan , C Xie	Method of treating lung cancer	(2018/2/6) Granted (2017/6/26) Filed
27	US Utility Patent No 9,884,047			
28	US Utility Patent No 9,895,338	V-K-W Wong , M-C Wong	Cobalt-Polypyridyl complex for treatment of cancer, a pharmaceutical composition and a kit comprising it	(2018/2/20) Granted (2016/8/22) Filed
29	US Utility Patent No 9,901,566	L Liu , T Li , G-Y Zhu , F Yang	Limonoids for treating autoimmune diseases	(2018/2/27) Granted (2017/1/9) Filed
30	US Utility Patent No 9,913,811	L Liu , E-L-H Leung , X Li, X-X Fan	Hydroxynaphthoquinone compounds for treatment of non-small cell lung cancer	(2018/3/13) Granted (2016/6/20) Filed
31	US Utility Patent No 9,955,676	L Liu , T Li , V-K-W Wong , Z-H Jiang , H Zhou	Transgenic model for delay-type hypersensitivity (DTH) and use thereof	(2018/5/1) Granted (2015/2/11) Filed
32	US Utility Patent No 9,962,378	X-J Yao , E-L-H Leung , L-X Luo, L Liu	Novel ROS1 inhibitor and its use	(2018/5/8) Granted (2015/10/30) Filed
33	US Utility Patent No 9,974,766	V-K-W Wong , B-Y-K Law , T Efferth, O Kadioglu, L Liu	Prenylated Isoflavones for treatment of subjects with multidrug-resistant cancer	(2018/5/22) Granted (2015/11/30) Filed

34	US Utility Patent No 10,023,594	J-X Chen, B Sun, H-Q Zhao, B-P Xie, <u>L-P Bai</u> , <u>Z-H Jiang</u>	Zwitterionic zinc(II) carboxylate compounds and their use	(2018/7/17) Granted (2016/8/30) Filed

Granted in Year 2019

35	US Utility Patent No 10,234,454	<u>L Liu</u> , <u>J-R Wang</u> , W-N Gao, L-F Yau, H Huang, Q Meng, T-T Tong, <u>Z-H Jiang</u>	Use of glycan as biomarkers for autoimmune diseases	(2019/3/19) Granted (2015/10/15) Filed
36	US Utility Patent No 10,265,298	<u>Y Xie</u> , <u>L Liu</u> , <u>H Zhou</u>	Method of increasing the bioavailability of silybin	(2019/4/23) Granted (2017/8/22) Filed
37	US Utility Patent No 10,278,955	<u>X-J Yao</u> , <u>E-L-H Leung</u> , <u>L Liu</u> , Q-Q Wang, J-H Xu, Y Li	Methods of treating cancer	(2019/5/7) Granted (2017/12/13) Filed
38	US Utility Patent No 10,278,966	<u>Z-H Jiang</u> , <u>J-R Wang</u> , C-Y Chen, <u>G-Y Zhu</u>	Method of isolating quaternary Phenanthroindolizidine alkaloids with G-quaduplex DNA binding activity from Tylophora Atrofolliculata, compositions comprising them and their medical use	(2019/5/7) Granted (2016/4/29) Filed
39	US Utility Patent No 10,493,118	<u>B-Y-K Law</u> , <u>V-K-W Wong</u> , A-G Wu, <u>L Liu</u> , Z Wu	Triterpenoid obtainable from Hedera helix for treatment of neurodegenerative diseases	(2019/12/3) Granted (2016/9/29) Filed
40	US Utility Patent No 10,515,724	<u>Y Liang</u> , H-H Huang, X-Y Liu	Method and system for determining an association of biological feature with medical condition	(2019/12/24) Granted (2016/5/10) Filed
41	US Utility Patent No 10,519,500	J-X Chen, B-P Xie, G-H Qiu, P-P Hu, Z Liang, Y-M Liang, B Sun, <u>L-P Bai</u> , <u>Z-H Jiang</u>	Crystalline copper-based coordination polymers and their use	(2019/12/31) Granted (2017/5/22) Filed

Granted in Year 2020

42	US Utility Patent No 10,537,601	<u>J-R Wang, Z-H Jiang,</u> <u>Q-T Feng, G-Y Zhu, W-</u> <u>N Gao, Z-F Yang, N-S</u> <u>Zhong</u>	Method of isolating anti-viral ingredients from Baphicacanthus cusia, compositions comprising them and their medical use	(2020/1/21) Granted (2016/4/4) Filed
43	US Utility Patent No 10,618,885	<u>Z-H Jiang, L-P Bai, X-B</u> <u>Zhou, V-K-W Wong, Z-</u> <u>Y Zheng, B-Y-K Law</u>	Compounds that activate autophagy	(2020/4/14) Granted (2018/1/3) Filed
44	US Utility Patent No 10,688,105	<u>L Liu, V-K-W Wong, B-</u> <u>Y-K Law, C-L Qiu</u>	Method of treating refractory Rheumatoid arthritis associated with P53 mutation	(2020/6/23) Granted (2017/7/10) Filed
45	US Utility Patent No 10,702,500	<u>X-J Yao, E-L-H Leung,</u> <u>L Liu, Q-Q Wang, J-H</u> <u>Xu, Y Li</u>	Methods of treating cancer	(2020/7/7) Granted (2019/1/24) Filed
46	US Utility Patent No 10,759,757	<u>J-X Chen, J-X Pang, S-</u> <u>W Liu, L-P Bai, Z-H</u> <u>Jiang</u>	Crystalline contrast agent for magnetic resonance imaging, kit and composition comprising it and their use	(2020/9/1) Granted (2016/9/21) Filed
47	US Utility Patent No 10,787,708	<u>L Liu, E-L-H Leung, Y</u> <u>Li, X-J Yao, H-D Pan</u>	Method of identifying a gene associated with a disease or pathological condition of the disease	(2020/9/29) Granted (2017/7/12) Filed

Granted in Year 2021

48	US Utility Patent No 10,900,966	<u>L Liu, J-R Wang</u> , W-N Gao, L-F Yau, H Huang, Q Meng, T-T Tong, <u>Z-H Jiang</u>	Use of Glycan as biomarkers for autoimmune diseases	(2021/1/26) Granted (2019/2/21) Filed
49	US Utility Patent No 11,149,271	<u>Z-H Jiang</u> , T-M Yan, K- Y Cao	Method and pharmaceutical composition for treating cancer	(2021/10/19) Granted (2018/9/4) Filed

Granted in Year 2022

50	US Utility Patent No 11,357,806	<u>Z-H Jiang, J-R Wang, J-N Mi, J-P Kou, Y-W Han, Y-Q Xu</u>	Method of isolating Sphingolipids from Cordyceps and their use	(2022/6/14) Granted (2016/4/18) Filed
51	US Utility Patent No 11,377,418	<u>Z-H Jiang, N-S Zhong, Z-F Yang, J-R Wang, Q-T Feng, X-B Zhou, B-X Zhou</u>	Compounds and methods for treating influenza	(2022/7/5) Granted (2020/12/3) Filed

<u>Granted in Year 2023</u>				
52	US Utility Patent No. 11,648,258	C Liang, <u>Z-H Jiang</u> , Z-Y Wang, Z-L Yu, <u>J-R Wang</u> , <u>L-P Bai</u>	Methods and compounds for inhibiting the MCM complex and their application in cancer treatment	(2023/5/16) Granted (2013/5/9) Filed

<u>Granted in Year 2024</u>				
53	US Utility Patent No. 11,866,704	<u>Z-H Jiang</u> , K-Y Cao, Y Pan, <u>T-M Yan</u>	Nucleic acid molecules and uses thereof	(2024/1/9) Granted (2020/12/6) Filed
54	US Utility Patent No 11,944,636	<u>Z-H Jiang</u> , L-F Yau, T-T Tong, H Huang, K Hu, E-L-H Leung	Medicinal composition comprising a non-coding RNA molecule and an antibody targeting a tumor antigen	(2024/4/2) Granted (2020/11/11) Filed