

Bill B Chen

List of Publications by Year in descending order

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55
papers

1,947
citations

236925

25
h-index

265206

42
g-index

58
all docs

58
docs citations

58
times ranked

3185
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipopolysaccharide Primes the NALP3 Inflammasome by Inhibiting Its Ubiquitination and Degradation Mediated by the SCFFBXL2 E3 Ligase. <i>Journal of Biological Chemistry</i> , 2015, 290, 18124-18133.	3.4	146
2	Dynamic regulation of cardiolipin by the lipid pump Atp8b1 determines the severity of lung injury in experimental pneumonia. <i>Nature Medicine</i> , 2010, 16, 1120-1127.	30.7	133
3	F-box protein FBXL19-mediated ubiquitination and degradation of the receptor for IL-33 limits pulmonary inflammation. <i>Nature Immunology</i> , 2012, 13, 651-658.	14.5	127
4	A combinatorial F box protein directed pathway controls TRAF adaptor stability to regulate inflammation. <i>Nature Immunology</i> , 2013, 14, 470-479.	14.5	118
5	The mito-DAMP cardiolipin blocks IL-10 production causing persistent inflammation during bacterial pneumonia. <i>Nature Communications</i> , 2017, 8, 13944.	12.8	94
6	F-box protein FBXL2 targets cyclin D2 for ubiquitination and degradation to inhibit leukemic cell proliferation. <i>Blood</i> , 2012, 119, 3132-3141.	1.4	76
7	14-3-3 Binding and Phosphorylation of Neuroglobin during Hypoxia Modulate Six-to-Five Heme Pocket Coordination and Rate of Nitrite Reduction to Nitric Oxide. <i>Journal of Biological Chemistry</i> , 2011, 286, 42679-42689.	3.4	69
8	SCF E3 ligase F-box protein complex SCF ^{FBXL19} regulates cell migration by mediating Rac1 ubiquitination and degradation. <i>FASEB Journal</i> , 2013, 27, 2611-2619.	0.5	67
9	The Proapoptotic F-box Protein Fbxl7 Regulates Mitochondrial Function by Mediating the Ubiquitylation and Proteasomal Degradation of Survivin. <i>Journal of Biological Chemistry</i> , 2015, 290, 11843-11852.	3.4	56
10	Targeting F Box Protein Fbxo3 To Control Cytokine-Driven Inflammation. <i>Journal of Immunology</i> , 2013, 191, 5247-5255.	0.8	55
11	Masking of a Nuclear Signal Motif by Monoubiquitination Leads to Mislocalization and Degradation of the Regulatory Enzyme Cytidylyltransferase. <i>Molecular and Cellular Biology</i> , 2009, 29, 3062-3075.	2.3	50
12	A high-throughput screen for TMPRSS2 expression identifies FDA-approved compounds that can limit SARS-CoV-2 entry. <i>Nature Communications</i> , 2021, 12, 3907.	12.8	50
13	Novel E3 ligase component FBXL7 ubiquitinates and degrades Aurora A, causing mitotic arrest. <i>Cell Cycle</i> , 2012, 11, 721-729.	2.6	48
14	Calmodulin Antagonizes a Calcium-Activated SCF Ubiquitin E3 Ligase Subunit, FBXL2, To Regulate Surfactant Homeostasis. <i>Molecular and Cellular Biology</i> , 2011, 31, 1905-1920.	2.3	47
15	E3 Ligase Subunit Fbxo15 and PINK1 Kinase Regulate Cardiolipin Synthase 1 Stability and Mitochondrial Function in Pneumonia. <i>Cell Reports</i> , 2014, 7, 476-487.	6.4	45
16	Targeting the deubiquitinase STAMBP inhibits NALP7 inflammasome activity. <i>Nature Communications</i> , 2017, 8, 15203.	12.8	44
17	Chemical inhibition of FBXO7 reduces inflammation and confers neuroprotection by stabilizing the mitochondrial kinase PINK1. <i>JCI Insight</i> , 2020, 5, .	5.0	40
18	The proinflammatory role of HECTD2 in innate immunity and experimental lung injury. <i>Science Translational Medicine</i> , 2015, 7, 295ra109.	12.4	38

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19	FBXL2 is a ubiquitin E3 ligase subunit that triggers mitotic arrest. <i>Cell Cycle</i> , 2011, 10, 3487-3494.	2.6	35
20	SCFFbxw15 Mediates Histone Acetyltransferase Binding to Origin Recognition Complex (HBO1) Ubiquitin-Proteasomal Degradation to Regulate Cell Proliferation *. <i>Journal of Biological Chemistry</i> , 2013, 288, 6306-6316.	3.4	33
21	Ubiquitin E3 ligase FIEL1 regulates fibrotic lung injury through SUMO-E3 ligase PIAS4. <i>Journal of Experimental Medicine</i> , 2016, 213, 1029-1046.	8.5	30
22	Calmodulin Binds and Stabilizes the Regulatory Enzyme, CTP:Phosphocholine Cytidyltransferase. <i>Journal of Biological Chemistry</i> , 2007, 282, 33494-33506.	3.4	29
23	Structure Guided Chemical Modifications of Propylthiouracil Reveal Novel Small Molecule Inhibitors of Cytochrome b5 Reductase 3 That Increase Nitric Oxide Bioavailability. <i>Journal of Biological Chemistry</i> , 2015, 290, 16861-16872.	3.4	29
24	Post-translational modification of the interferon-gamma receptor alters its stability and signaling. <i>Biochemical Journal</i> , 2017, 474, 3543-3557.	3.7	29
25	Mortality factor 4 like 1 protein mediates epithelial cell death in a mouse model of pneumonia. <i>Science Translational Medicine</i> , 2015, 7, 311ra171.	12.4	27
26	Toll-like Receptor 8 Stability Is Regulated by Ring Finger 216 in Response to Circulating MicroRNAs. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 62, 157-167.	2.9	27
27	Glycogen Synthase Kinase-3 β Stabilizes the Interleukin (IL)-22 Receptor from Proteasomal Degradation in Murine Lung Epithelia. <i>Journal of Biological Chemistry</i> , 2014, 289, 17610-17619.	3.4	25
28	Ex vivo lung perfusion as a human platform for preclinical small molecule testing. <i>JCI Insight</i> , 2018, 3, .	5.0	24
29	14-3-3 β escorts CCT β for calcium-activated nuclear import in lung epithelia. <i>FASEB Journal</i> , 2010, 24, 1271-1283.	0.5	22
30	Natural Products as Targeted Modulators of the Immune System. <i>Journal of Immunology Research</i> , 2018, 2018, 1-2.	2.2	22
31	CD4 ⁺ T-Cell Dysfunction in Severe COVID-19 Disease Is Tumor Necrosis Factor- α /Tumor Necrosis Factor Receptor 1-Dependent. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 1403-1418.	5.6	21
32	Biosynthesis of oxidized lipid mediators via lipoprotein-associated phospholipase A ₂ hydrolysis of extracellular cardiolipin induces endothelial toxicity. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L303-L316.	2.9	20
33	The RING-type E3 ligase RNF186 ubiquitinates Sestrin-2 and thereby controls nutrient sensing. <i>Journal of Biological Chemistry</i> , 2019, 294, 16527-16534.	3.4	20
34	LPS impairs oxygen utilization in epithelia by triggering degradation of the mitochondrial enzyme Alcat1. <i>Journal of Cell Science</i> , 2016, 129, 51-64.	2.0	19
35	RING finger E3 ligase PPP1R11 regulates TLR2 signaling and innate immunity. <i>ELife</i> , 2016, 5, .	6.0	19
36	A Fbxo48 inhibitor prevents pAMPK α degradation and ameliorates insulin resistance. <i>Nature Chemical Biology</i> , 2021, 17, 298-306.	8.0	16

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37	The RNFT2/IL-3R α axis regulates IL-3 signaling and innate immunity. JCI Insight, 2020, 5, .	5.0	16
38	Calmodulin protects Aurora B on the midbody to regulate the fidelity of cytokinesis. Cell Cycle, 2013, 12, 663-673.	2.6	15
39	Novel PDE4 Inhibitors Derived from Chinese Medicine Forsythia. PLoS ONE, 2014, 9, e115937.	2.5	14
40	Histone Deacetylase 2 (HDAC2) Protein-dependent Deacetylation of Mortality Factor 4-like 1 (MORF4L1) Protein Enhances Its Homodimerization. Journal of Biological Chemistry, 2014, 289, 7092-7098.	3.4	14
41	Receptor for advanced glycation end products is targeted by FBXO10 for ubiquitination and degradation. FASEB Journal, 2017, 31, 3894-3903.	0.5	14
42	A small molecule NRF2 activator BC-1901S ameliorates inflammation through DCAF1/NRF2 axis. Redox Biology, 2020, 32, 101485.	9.0	13
43	KIAA0317 regulates pulmonary inflammation through SOCS2 degradation. JCI Insight, 2019, 4, .	5.0	13
44	F-box protein substrate recognition. Cell Cycle, 2013, 12, 1009-1010.	2.6	12
45	Kelch-like protein 42 is a profibrotic ubiquitin E3 ligase involved in systemic sclerosis. Journal of Biological Chemistry, 2020, 295, 4171-4180.	3.4	12
46	RING finger protein 113A regulates C-X-C chemokine receptor type 4 stability and signaling. American Journal of Physiology - Cell Physiology, 2017, 313, C584-C592.	4.6	11
47	Crystal structure and interaction studies of the human <sc>FB</sc> x3 ApaG domain. FEBS Journal, 2016, 283, 2091-2101.	4.7	9
48	Therapeutic targets in fibrotic pathways. Cytokine, 2016, 88, 193-195.	3.2	8
49	The SCFFBXO3 ubiquitin E3 ligase regulates inflammation in atherosclerosis. Journal of Molecular and Cellular Cardiology, 2019, 126, 50-59.	1.9	7
50	Tumor Necrosis Factor Alpha Regulates Skeletal Myogenesis by Inhibiting SP1 Interaction with <i>cis</i>-Acting Regulatory Elements within the Fbxl2 Gene Promoter. Molecular and Cellular Biology, 2020, 40, .	2.3	6
51	SCF FBXW17 E3 ubiquitin ligase regulates FBXL19 stability and cell migration. Journal of Cellular Biochemistry, 2021, 122, 326-334.	2.6	6
52	Discovery of bactericides as an acute mitochondrial membrane damage inducer. Molecular Biology of the Cell, 2021, 32, ar32.	2.1	6
53	Reply to "The flip side of cardiolipin import". Nature Medicine, 2011, 17, 413-414.	30.7	5
54	A Repurposed Drug Screen for Compounds Regulating Aquaporin 5 Stability in Lung Epithelial Cells. Frontiers in Pharmacology, 2022, 13, 828643.	3.5	3

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55	Ubiquitin E3 ligase FIEL1 regulates fibrotic lung injury through SUMO-E3 ligase PIAS4. Journal of Cell Biology, 2016, 213, 2134OIA108.	5.2	0