Michael A Walters

List of Publications by Year
in descending order

42 papers	4,421 citations	361413 20 h-index	254184 43 g-index
86 all docs	86 docs citations	86 times ranked	8270 citing authors

#	Article	IF	Citations
1	Structure-Based Design and Biological Evaluation of Novel Caspase-2 Inhibitors Based on the Peptide AcVDVAD-CHO and the Caspase-2-Mediated Tau Cleavage Sequence YKPVD314. ACS Pharmacology and Translational Science, 2022, 5, 20-40.	4.9	9
2	Caspase-2 Inhibitor Blocks Tau Truncation and Restores Excitatory Neurotransmission in Neurons Modeling FTDP-17 Tauopathy. ACS Chemical Neuroscience, 2022, 13, 1549-1557.	3.5	5
3	Characterization of caspaseâ€2 inhibitors based on specific sites of caspaseâ€2â€mediated proteolysis. Archiv Der Pharmazie, 2022, 355, .	4.1	2
4	Remodelin Is a Cryptic Assay Interference Chemotype That Does Not Inhibit NAT10-Dependent Cytidine Acetylation. ACS Medicinal Chemistry Letters, 2021, 12, 887-892.	2.8	16
5	Nuisance compounds in cellular assays. Cell Chemical Biology, 2021, 28, 356-370.	5.2	37
6	The Communication of Hit Quality Using Natural History Visualizations (NHVs). SLAS Discovery, 2021, 26, 862-869.	2.7	2
7	Improving natural product research translation: From source to clinical trial. FASEB Journal, 2020, 34, 41-65.	0.5	45
8	Synthesis of Guaianolide Analogues with a Tunable Î±-Methyleneâ€”Î³-lactam Electrophile and Correlating Bioactivity with Thiol Reactivity. Journal of Medicinal Chemistry, 2020, 63, 14951-14978.	6.4	17
9	The Essential Medicinal Chemistry of Cannabidiol (CBD). Journal of Medicinal Chemistry, 2020, 63, 12137-12155.	6.4	79
10	Diversity-Oriented Library Synthesis from Steviol and Isosteviol-Derived Scaffolds. ACS Combinatorial Science, 2020, 22, 150-155.	3.8	4
11	Development of Benzenesulfonamide Derivatives as Potent Glutathione Transferase Omega-1 Inhibitors. Journal of Medicinal Chemistry, 2020, 63, 2894-2914.	6.4	12
12	Discovery of Acylsulfonohydrazide-Derived Inhibitors of the Lysine Acetyltransferase, KAT6A, as Potent Senescence-Inducing Anti-Cancer Agents. Journal of Medicinal Chemistry, 2020, 63, 4655-4684.	6.4	9
13	Cytotoxic unsaturated electrophilic compounds commonly target the ubiquitin proteasome system. Scientific Reports, 2019, 9, 9841.	3.3	19
14	Discovery of Benzoylsulfonohydrazides as Potent Inhibitors of the Histone Acetyltransferase KAT6A. Journal of Medicinal Chemistry, 2019, 62, 7146-7159.	6.4	21
15	A novel P300 inhibitor reverses DUX4-mediated global histone H3 hyperacetylation, target gene expression, and cell death. Science Advances, 2019, 5, eaaw7781.	10.3	47
16	3,3â€²-Disubstituted 5,5â€²-Bi(1,2,4-triazine) Derivatives with Potent in Vitro and in Vivo Antimalarial Activity. Journal of Medicinal Chemistry, 2019, 62, 2485-2498.	6.4	16
17	Risk Management in Early Discovery Medicinal Chemistry. Methods in Enzymology, 2018, 610, 1-25.	1.0	1
18	Reduction of protein kinase A-mediated phosphorylation of ATXN1-S776 in Purkinje cells delays onset of Ataxia in a SCA1 mouse model. Neurobiology of Disease, 2018, 116, 93-105.	4.4	27

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19	ALARM NMR for HTS Triage and Chemical Probe Validation. Current Protocols in Chemical Biology, 2018, 10, 91-117.	1.7	22
20	The Essential Medicinal Chemistry of Curcumin. Journal of Medicinal Chemistry, 2017, 60, 1620-1637.	6.4	1,291
21	Curcumin May (Not) Defy Science. ACS Medicinal Chemistry Letters, 2017, 8, 467-470.	2.8	30
22	Assay interference and off-target liabilities of reported histone acetyltransferase inhibitors. Nature Communications, 2017, 8, 1527.	12.8	98
23	GSTO1-1 plays a pro-inflammatory role in models of inflammation, colitis and obesity. Scientific Reports, 2017, 7, 17832.	3.3	47
24	Transcriptional Inhibitors Identified in a 160,000-Compound Small-Molecule DUX4 Viability Screen. Journal of Biomolecular Screening, 2016, 21, 680-688.	2.6	13
25	Allosteric Indole Amide Inhibitors of p97: Identification of a Novel Probe of the Ubiquitin Pathway. ACS Medicinal Chemistry Letters, 2016, 7, 182-187.	2.8	30
26	Uncoupling Catalytic and Binding Functions in the Cyclic AMP-Dependent Protein Kinase A. Structure, 2016, 24, 353-363.	3.3	19
27	How to Triage PAINS-Full Research. Assay and Drug Development Technologies, 2016, 14, 168-174.	1.2	68
28	PAINS in the Assay: Chemical Mechanisms of Assay Interference and Promiscuous Enzymatic Inhibition Observed during a Sulfhydryl-Scavenging HTS. Journal of Medicinal Chemistry, 2015, 58, 2091-2113.	6.4	284
29	Histone-modifying enzymes, histone modifications and histone chaperones in nucleosome assembly: Lessons learned from Rtt109 histone acetyltransferases. Critical Reviews in Biochemistry and Molecular Biology, 2015, 50, 31-53.	5.2	31
30	The promise and peril of chemical probes. Nature Chemical Biology, 2015, 11, 536-541.	8.0	698
31	Mitigating risk in academic preclinical drug discovery. Nature Reviews Drug Discovery, 2015, 14, 279-294.	46.4	131
32	Post-HTS case report and structural alert: Promiscuous 4-aroyl-1,5-disubstituted-3-hydroxy-2 H -pyrrol-2-one actives verified by ALARM NMR. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4740-4752.	2.2	15
33	Pneumocystis jirovecii Rtt109, a Novel Drug Target for Pneumocystis Pneumonia in Immunosuppressed Humans. Antimicrobial Agents and Chemotherapy, 2014, 58, 3650-3659.	3.2	11
34	High-throughput screening identifies inhibitors of DUX4-induced myoblast toxicity. Skeletal Muscle, 2014, 4, 4.	4.2	56
35	Ultra-High-Throughput Screening of Natural Product Extracts to Identify Proapoptotic Inhibitors of Bcl-2 Family Proteins. Journal of Biomolecular Screening, 2014, 19, 1201-1211.	2.6	24
36	Anthrax toxin lethal factor domain 3 is highly mobile and responsive to ligand binding. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 2813-2822.	2.5	16

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37	The essential roles of chemistry in high-throughput screening triage. Future Medicinal Chemistry, 2014, 6, 1265-1290.	2.3	115
38	Specific Inhibition of p97/VCP ATPase and Kinetic Analysis Demonstrate Interaction between D1 and D2 ATPase Domains. Journal of Molecular Biology, 2014, 426, 2886-2899.	4.2	103
39	Chemistry: Chemical con artists foil drug discovery. Nature, 2014, 513, 481-483.	27.8	893
40	From HTS to Phase I: The Institute for Therapeutics Discovery and Development at the University of Minnesota. Combinatorial Chemistry and High Throughput Screening, 2014, 17, 231-240.	1.1	5
41	Synthesis of Novel Analogs of Cabergoline: Improving Cardiovascular Safety by Removing 5-HT_{2B} Receptor Agonism. ACS Medicinal Chemistry Letters, 2013, 4, 254-258.	2.8	18
42	A Cell-Free Fluorometric High-Throughput Screen for Inhibitors of Rtt109-Catalyzed Histone Acetylation. PLoS ONE, 2013, 8, e78877.	2.5	17