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	The Essential Medicinal Chemistry of Curcumin. Journal of Medicinal Chemistry, 2017, 60, 1620-1637.	6.4	1,291
2	Chemistry: Chemical con artists foil drug discovery. Nature, 2014, 513, 481-483.	27.8	893
3	The promise and peril of chemical probes. Nature Chemical Biology, 2015, 11, 536-541.	8.0	698
4	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
5	Mitigating risk in academic preclinical drug discovery. Nature Reviews Drug Discovery, 2015, 14, 279-294.	46.4	131
6	The essential roles of chemistry in high-throughput screening triage. Future Medicinal Chemistry, 2014, 6, 1265-1290.	2.3	115
7	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
8	Assay interference and off-target liabilities of reported histone acetyltransferase inhibitors. Nature Communications, 2017, 8, 1527.	12.8	98
9	The Essential Medicinal Chemistry of Cannabidiol (CBD). Journal of Medicinal Chemistry, 2020, 63, 12137-12155.	6.4	79
10	How to Triage PAINS-Full Research. Assay and Drug Development Technologies, 2016, 14, 168-174.	1.2	68
11	High-throughput screening identifies inhibitors of DUX4-induced myoblast toxicity. Skeletal Muscle, 2014, 4, 4.	4.2	56
12	GSTO1-1 plays a pro-inflammatory role in models of inflammation, colitis and obesity. Scientific Reports, 2017, 7, 17832.	3.3	47
13	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
14	Improving natural product research translation: From source to clinical trial. FASEB Journal, 2020, 34, 41-65.	0.5	45
15	Nuisance compounds in cellular assays. Cell Chemical Biology, 2021, 28, 356-370.	5.2	37
16	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
17	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
18	Curcumin May (Not) Defy Science. ACS Medicinal Chemistry Letters, 2017, 8, 467-470.	2.8	30

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19	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
20	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
21	ALARM NMR for HTS Triage and Chemical Probe Validation. Current Protocols in Chemical Biology, 2018, 10, 91-117.	1.7	22
22	Discovery of Benzoylsulfonohydrazides as Potent Inhibitors of the Histone Acetyltransferase KAT6A. Journal of Medicinal Chemistry, 2019, 62, 7146-7159.	6.4	21
23	Uncoupling Catalytic and Binding Functions in the Cyclic AMP-Dependent Protein Kinase A. Structure, 2016, 24, 353-363.	3.3	19
24	Cytotoxic unsaturated electrophilic compounds commonly target the ubiquitin proteasome system. Scientific Reports, 2019, 9, 9841.	3.3	19
25	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
26	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
27	A Cell-Free Fluorometric High-Throughput Screen for Inhibitors of Rtt109-Catalyzed Histone Acetylation. PLoS ONE, 2013, 8, e78877.	2.5	17
28	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
29	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
30	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
31	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
32	Transcriptional Inhibitors Identified in a 160,000-Compound Small-Molecule DUX4 Viability Screen. Journal of Biomolecular Screening, 2016, 21, 680-688.	2.6	13
33	Development of Benzenesulfonamide Derivatives as Potent Glutathione Transferase Omega-1 Inhibitors. Journal of Medicinal Chemistry, 2020, 63, 2894-2914.	6.4	12
34	Pneumocystis jirovecii Rtt109, a Novel Drug Target for Pneumocystis Pneumonia in Immunosuppressed Humans. Antimicrobial Agents and Chemotherapy, 2014, 58, 3650-3659.	3.2	11
35	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
36	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

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37	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
38	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
39	Diversity-Oriented Library Synthesis from Steviol and Isosteviol-Derived Scaffolds. ACS Combinatorial Science, 2020, 22, 150-155.	3.8	4
40	The Communication of Hit Quality Using Natural History Visualizations (NHVs). SLAS Discovery, 2021, 26, 862-869.	2.7	2
41	Characterization of caspaseâ€2 inhibitors based on specific sites of caspaseâ€2â€mediated proteolysis. Archiv Der Pharmazie, 2022, 355, .	4.1	2
42	Risk Management in Early Discovery Medicinal Chemistry. Methods in Enzymology, 2018, 610, 1-25.	1.0	1