

Matthias Schiedel

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

1,078
citations

516710

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477307

29
g-index

46
all docs

46
docs citations

46
times ranked

1388
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Sirt2 inhibition by ligand-induced rearrangement of the active site. Nature Communications, 2015, 6, 6263.	12.8	222
2	Chemically Induced Degradation of Sirtuin 2 (Sirt2) by a Proteolysis Targeting Chimera (PROTAC) Based on Sirtuin Rearranging Ligands (SirReals). Journal of Medicinal Chemistry, 2018, 61, 482-491.	6.4	204
3	The Current State of NAD ⁺ -Dependent Histone Deacetylases (Sirtuins) as Novel Therapeutic Targets. Medicinal Research Reviews, 2018, 38, 147-200.	10.5	88
4	Aminothiazoles as Potent and Selective Sirt2 Inhibitors: A Structure-Activity Relationship Study. Journal of Medicinal Chemistry, 2016, 59, 1599-1612.	6.4	76
5	Chromo-pharmacophores: photochromic diarylmaleimide inhibitors for sirtuins. Chemical Science, 2014, 5, 4794-4799.	7.4	51
6	Structure-Based Development of an Affinity Probe for Sirtuin 2. Angewandte Chemie - International Edition, 2016, 55, 2252-2256.	13.8	50
7	A Continuous, Fluorogenic Sirtuin 2 Deacylase Assay: Substrate Screening and Inhibitor Evaluation. Journal of Medicinal Chemistry, 2016, 59, 1021-1031.	6.4	46
8	Stereo- and regiodefined DNA-encoded chemical libraries enable efficient tumour-targeting applications. Nature Chemistry, 2021, 13, 540-548.	13.6	42
9	Small molecules as tools to study the chemical epigenetics of lysine acetylation. Current Opinion in Chemical Biology, 2018, 45, 166-178.	6.1	35
10	Chemical Epigenetics: The Impact of Chemical and Chemical Biology Techniques on Bromodomain Target Validation. Angewandte Chemie - International Edition, 2019, 58, 17930-17952.	13.8	31
11	A Single-Stranded DNA-Encoded Chemical Library Based on a Stereoisomeric Scaffold Enables Ligand Discovery by Modular Assembly of Building Blocks. Advanced Science, 2020, 7, 2001970.	11.2	30
12	A Chemical Biology Toolbox Targeting the Intracellular Binding Site of CCR9: Fluorescent Ligands, New Drug Leads and PROTACs. Angewandte Chemie - International Edition, 2022, 61, .	13.8	24
13	New chemical tools for probing activity and inhibition of the NAD ⁺ -dependent lysine deacetylase sirtuin 2. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170083.	4.0	21
14	BET bromodomain ligands: Probing the WPF shelf to improve BRD4 bromodomain affinity and metabolic stability. Bioorganic and Medicinal Chemistry, 2018, 26, 2937-2957.	3.0	19
15	Modulation Of Microtubule Acetylation By The Interplay Of TPPP/p25, SIRT2 And New Anticancer Agents With Anti-SIRT2 Potency. Scientific Reports, 2017, 7, 17070.	3.3	17
16	Controlling Intramolecular Interactions in the Design of Selective, High-Affinity Ligands for the CREBBP Bromodomain. Journal of Medicinal Chemistry, 2021, 64, 10102-10123.	6.4	17
17	Selective Fragments for the CREBBP Bromodomain Identified from an Encoded Self-assembly Chemical Library. ChemMedChem, 2020, 15, 1752-1756.	3.2	15
18	Fragment-Based Identification of Ligands for Bromodomain-Containing Factor 3 of <i>Trypanosoma cruzi</i> . ACS Infectious Diseases, 2021, 7, 2238-2249.	3.8	14

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19	HaloTag-Targeted Sirtuin-Rearranging Ligand (SirReal) for the Development of Proteolysis-Targeting Chimeras (PROTACs) against the Lysine Deacetylase Sirtuin 2 (Sirt2)**. <i>ChemBioChem</i> , 2020, 21, 3371-3376.	2.6	13
20	Opening the Selectivity Pocket in the Human Lysine Deacetylase Sirtuin2 – New Opportunities, New Questions. <i>Chemical Record</i> , 2018, 18, 1701-1707.	5.8	10
21	Comparison of Cellular Target Engagement Methods for the Tubulin Deacetylases Sirt2 and HDAC6: NanoBRET, CETSA, Tubulin Acetylation, and PROTACs. <i>ACS Pharmacology and Translational Science</i> , 2022, 5, 138-140.	4.9	10
22	Fluorescent Ligands Targeting the Intracellular Allosteric Binding Site of the Chemokine Receptor CCR2. <i>ACS Chemical Biology</i> , 2022, 17, 2142-2152.	3.4	9
23	Validation of the Slow Off-Kinetics of Sirtuin-Rearranging Ligands (SirReals) by Means of Label-Free Electrically Switchable Nanolever Technology. <i>ChemBioChem</i> , 2020, 21, 1161-1166.	2.6	6
24	Development of a NanoBRET assay to validate inhibitors of Sirt2-mediated lysine deacetylation and defatty-acylation that block prostate cancer cell migration. <i>RSC Chemical Biology</i> , 2022, 3, 468-485.	4.1	6
25	Strukturbasierte Entwicklung einer Affinitätssonde für Sirtuin 2. <i>Angewandte Chemie</i> , 2016, 128, 2293-2297.	2.0	5
26	Sorafenib Promotes Graft-Versus-Leukemia Activity in Mice and Humans through IL-15 Production in Leukemia Cells. <i>Biology of Blood and Marrow Transplantation</i> , 2016, 22, S90.	2.0	4
27	Synthesis and biological evaluation of 8-hydroxy-2,7-naphthyridin-2-ium salts as novel inhibitors of acetylcholinesterase (AChE) and butyrylcholinesterase (BChE). <i>MedChemComm</i> , 2017, 8, 465-470.	3.4	3
28	Chemische Epigenetik: der Einfluss chemischer und chemobiologischer Techniken auf die Zielstruktur-Validierung von Bromodomänen. <i>Angewandte Chemie</i> , 2019, 131, 18096-18120.	2.0	3
29	Call for Papers: “Epigenetics 2.0” A Joint Virtual Special Issue on Epigenetics. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1262-1263.	4.9	0
30	Chemisch-chemobiologischer Werkzeugkasten für die intrazelluläre Bindungsstelle von CCR9: Fluoreszierende Liganden, neue Leitstrukturen und PROTACs. <i>Angewandte Chemie</i> , 0, , .	2.0	0