Antonello Mai

List of Publications by Year
in descending order

351 papers	15,744 citations	16411 64 h-index	31759 101 g-index
375 all docs	375 docs citations	375 times ranked	22616 citing authors

#	Article	IF	Citations
1	The Nitrobenzoxadiazole Derivative NBDHEX Behaves as Plasmodium falciparum Gametocyte Selective Inhibitor with Malaria Parasite Transmission Blocking Activity. Pharmaceuticals, 2022, 15, 168.	1.7	3
2	A potent HDAC inhibitor blocks Toxoplasma gondii tachyzoite growth and profoundly disrupts parasite gene expression. International Journal of Antimicrobial Agents, 2022, 59, 106526.	1.1	12
3	Transcriptomic and genomic studies classify NKL54 as a histone deacetylase inhibitor with indirect influence on MEF2-dependent transcription. Nucleic Acids Research, 2022, 50, 2566-2586.	6.5	12
4	Targeting the anti-apoptotic Bcl-2 family proteins: machine learning virtual screening and biological evaluation of new small molecules. Theranostics, 2022, 12, 2427-2444.	4.6	12
5	Cytoplasmic HDAC4 regulates the membrane repair mechanism in Duchenne muscular dystrophy. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 1339-1359.	2.9	11
6	Inhibition of PKCÎ¸ Improves Dystrophic Heart Phenotype and Function in a Novel Model of DMD Cardiomyopathy. International Journal of Molecular Sciences, 2022, 23, 2256.	1.8	1
7	Heterocycle-containing tranylcypromine derivatives endowed with high anti-LSD1 activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 973-985.	2.5	2
8	Biochemical Functions and Clinical Characterizations of the Sirtuins in Diabetes-Induced Retinal Pathologies. International Journal of Molecular Sciences, 2022, 23, 4048.	1.8	11
9	Determinants of epigenetic resistance to HDAC inhibitors in dystrophic fibroâ€adipogenic progenitors. EMBO Reports, 2022, 23, e54721.	2.0	7
10	Novel non-covalent LSD1 inhibitors endowed with anticancer effects in leukemia and solid tumor cellular models. European Journal of Medicinal Chemistry, 2022, 237, 114410.	2.6	15
11	Sirtuin modulators: past, present, and future perspectives. Future Medicinal Chemistry, 2022, 14, 915-939.	1.1	24
12	Novel Targeting of DNA Methyltransferase Activity Inhibits Ewing Sarcoma Cell Proliferation and Enhances Tumor Cell Sensitivity to DNA Damaging Drugs by Activating the DNA Damage Response. Frontiers in Endocrinology, 2022, 13, .	1.5	4
13	Effects of Structurally Different HDAC Inhibitors against Trypanosoma cruzi, Leishmania, and Schistosoma mansoni. ACS Infectious Diseases, 2022, 8, 1356-1366.	1.8	13
14	Therapeutic Potential and Activity Modulation of the Protein Lysine Deacylase Sirtuin 5. Journal of Medicinal Chemistry, 2022, 65, 9580-9606.	2.9	21
15	Downregulation of miRâ€326 and its host gene Î²â€arrestin1 induces proâ€survival activity of E2F1 and promotes medulloblastoma growth. Molecular Oncology, 2021, 15, 523-542.	2.1	8
16	Novel Pyridineâ€Based Hydroxamates and 2â€²â€Aminoanilides as Histone Deacetylase Inhibitors: Biochemical Profile and Anticancer Activity. ChemMedChem, 2021, 16, 989-999.	1.6	8
17	Sirtuins. , 2021, , 1-15.		0
18	Amphetamine Modulation of Long-Term Object Recognition Memory in Rats: Influence of Stress. Frontiers in Pharmacology, 2021, 12, 644521.	1.6	1

#	Article	IF	Citations
19	Regulatory Interplay between miR-181a-5p and Estrogen Receptor Signaling Cascade in Breast Cancer. Cancers, 2021, 13, 543.	1.7	10
20	The Two-Faced Role of SIRT6 in Cancer. Cancers, 2021, 13, 1156.	1.7	33
21	SIRT5 Inhibition Induces Brown Fat-Like Phenotype in 3T3-L1 Preadipocytes. Cells, 2021, 10, 1126.	1.8	16
22	Emerging Therapeutic Potential of SIRT6 Modulators. Journal of Medicinal Chemistry, 2021, 64, 9732-9758.	2.9	38
23	Metabolic Rewiring by Loss of Sirt5 Promotes Kras-Induced Pancreatic Cancer Progression. Gastroenterology, 2021, 161, 1584-1600.	0.6	50
24	Histoneâ€deacetylase 8 drives the immune response and the growth of glioma. Glia, 2021, 69, 2682-2698.	2.5	14
25	Polycomb Repressive Complex 2 Modulation through the Development of EZH2â€“EED Interaction Inhibitors and EED Binders. Journal of Medicinal Chemistry, 2021, 64, 11774-11797.	2.9	25
26	Anti-influenza A virus activity and structureâ€“activity relationship of a series of nitrobenzoxadiazole derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 2128-2138.	2.5	5
27	Mass spectrometry enables the discovery of inhibitors of an LPS transport assembly via disruption of proteinâ€“protein interactions. Chemical Communications, 2021, 57, 10747-10750.	2.2	6
28	First-in-Class Inhibitors of the Ribosomal Oxygenase MINA53. Journal of Medicinal Chemistry, 2021, 64, 17031-17050.	2.9	7
29	Sirtuins. , 2021, , 1422-1435.		0
30	Sex-dependent Effects of the Drugs of Abuse Amphetamine and the Smart Drug 3,4-Methylenedioxypyrovalerone on Fear Memory Generalization in Rats. Neuroscience, 2021, , .	1.1	2
31	Epigenetic polypharmacology: A new frontier for epiâ€drug discovery. Medicinal Research Reviews, 2020, 40, 190-244.	5.0	74
32	Inhibition of class I HDACs imprints adipogenesis toward oxidative and brown-like phenotype. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158594.	1.2	11
33	Recent advances in epigenetic proteolysis targeting chimeras (Epi-PROTACs). European Journal of Medicinal Chemistry, 2020, 207, 112750.	2.6	12
34	From PARP1 to TNKS2 Inhibition: A Structure-Based Approach. ACS Medicinal Chemistry Letters, 2020, 11, 862-868.	1.3	8
35	Properly Substituted Cyclic Bis-(2-bromobenzylidene) Compounds Behaved as Dual p300/CARM1 Inhibitors and Induced Apoptosis in Cancer Cells. Molecules, 2020, 25, 3122.	1.7	4
36	Lysine Acetyltransferase Inhibitors From Natural Sources. Frontiers in Pharmacology, 2020, 11, 1243.	1.6	22

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37	CDK9 as a Valuable Target in Cancer: From Natural Compounds Inhibitors to Current Treatment in Pediatric Soft Tissue Sarcomas. Frontiers in Pharmacology, 2020, 11, 1230.	1.6	20
38	Diphenylene Iodonium Is a Noncovalent MAO Inhibitor: A Biochemical and Structural Analysis. ChemMedChem, 2020, 15, 1394-1397.	1.6	4
39	Detrimental effects of the â€˜bath saltâ€™ methylenedioxypyrovalerone on social play behavior in male rats. Neuropsychopharmacology, 2020, 45, 2012-2019.	2.8	5
40	Identification of Inhibitors to Trypanosoma cruzi Sirtuins Based on Compounds Developed to Human Enzymes. International Journal of Molecular Sciences, 2020, 21, 3659.	1.8	8
41	The Pan-Sirtuin Inhibitor MC2494 Regulates Mitochondrial Function in a Leukemia Cell Line. Frontiers in Oncology, 2020, 10, 820.	1.3	8
42	Design of First-in-Class Dual EZH2/HDAC Inhibitor: Biochemical Activity and Biological Evaluation in Cancer Cells. ACS Medicinal Chemistry Letters, 2020, 11, 977-983.	1.3	49
43	Sirtuin modulators: where are we now? A review of patents from 2015 to 2019. Expert Opinion on Therapeutic Patents, 2020, 30, 389-407.	2.4	39
44	The Innovative Potential of Statins in Cancer: New Targets for New Therapies. Frontiers in Chemistry, 2020, 8, 516.	1.8	73
45	Pharmacological inhibition of lysine-specific demethylase 1 (LSD1) induces global transcriptional deregulation and ultrastructural alterations that impair viability in Schistosoma mansoni. PLoS Neglected Tropical Diseases, 2020, 14, e0008332.	1.3	11
46	Targeting histone acetylation/deacetylation in parasites: an update (2017â€“2020). Current Opinion in Chemical Biology, 2020, 57, 65-74.	2.8	35
47	Novel Quinoline Compounds Active in Cancer Cells through Coupled DNA Methyltransferase Inhibition and Degradation. Cancers, 2020, 12, 447.	1.7	8
48	A closer look into NADPH oxidase inhibitors: Validation and insight into their mechanism of action. Redox Biology, 2020, 32, 101466.	3.9	62
49	TranylcypromineâEBased LSD1 Inhibitors: StructureâEActivity Relationships, Antiproliferative Effects in Leukemia, and Gene Target Modulation. ChemMedChem, 2020, 15, 643-658.	1.6	18
50	Altered mitochondrial function in cells carrying a premutation or unmethylated full mutation of the FMR1 gene. Human Genetics, 2020, 139, 227-245.	1.8	16
51	Sirt4: A Multifaceted Enzyme at the Crossroads of Mitochondrial Metabolism and Cancer. Frontiers in Oncology, 2020, 10, 474.	1.3	49
52	Targeting the scaffolding role of LSD1 (KDM1A) poises acute myeloid leukemia cells for retinoic acidâ€“induced differentiation. Science Advances, 2020, 6, eaax2746.	4.7	56
53	Discovery of the First Human Arylsulfatase A Reversible Inhibitor Impairing Mouse Oocyte Fertilization. ACS Chemical Biology, 2020, 15, 1349-1357.	1.6	4
54	HAT inhibitors in cancer therapy. , 2020, , 51-80.		2

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55	Selective class II HDAC inhibitors impair myogenesis by modulating the stability and activity of HDACâ€MEF2 complexes. EMBO Reports, 2020, 21, e51028.	2.0	1
56	Title is missing!. , 2020, 14, e0008332.		0
57	Title is missing!. , 2020, 14, e0008332.		0
58	Title is missing!. , 2020, 14, e0008332.		0
59	Title is missing!. , 2020, 14, e0008332.		0
60	H19-Dependent Transcriptional Regulation of Î²3 and Î²4 Integrins Upon Estrogen and Hypoxia Favors Metastatic Potential in Prostate Cancer. International Journal of Molecular Sciences, 2019, 20, 4012.	1.8	22
61	The Protein Arginine Methyltransferases 1 and 5 affect Myc properties in glioblastoma stem cells. Scientific Reports, 2019, 9, 15925.	1.6	35
62	Structureâ€“Reactivity Relationships on Substrates and Inhibitors of the Lysine Deacylase Sirtuin 2 from Schistosoma mansoni (SmSirt2). Journal of Medicinal Chemistry, 2019, 62, 8733-8759.	2.9	18
63	Histone deacetylase inhibitors exert anti-tumor effects on human adherent and stem-like glioma cells. Clinical Epigenetics, 2019, 11, 11.	1.8	55
64	Epigenetic Pharmacology in Regenerative Medicine (Epi-Drugs). , 2019, , 405-444.		0
65	Histone Deacetylases Contribute to Excitotoxicity-Triggered Degeneration of Retinal Ganglion Cells In Vivo. Molecular Neurobiology, 2019, 56, 8018-8034.	1.9	20
66	Identification of a novel quinoline-based DNA demethylating compound highly potent in cancer cells. Clinical Epigenetics, 2019, 11, 68.	1.8	30
67	Histone deacetylases as an epigenetic pillar for the development of hybrid inhibitors in cancer. Current Opinion in Chemical Biology, 2019, 50, 89-100.	2.8	23
68	Comparison of the effects of synthetic and plant-derived mTOR regulators on healthy human ovarian cells. European Journal of Pharmacology, 2019, 854, 70-78.	1.7	3
69	Statins and Histone Deacetylase Inhibitors Affect Lamin A/C â€“ Histone Deacetylase 2 Interaction in Human Cells. Frontiers in Cell and Developmental Biology, 2019, 7, 6.	1.8	23
70	The emerging role of epigenetics in human autoimmune disorders. Clinical Epigenetics, 2019, 11, 34.	1.8	200
71	Î±,Î³-Diketocarboxylic Acids and Their Esters Act as Carbonic Anhydrase IX and XII Selective Inhibitors. ACS Medicinal Chemistry Letters, 2019, 10, 661-665.	1.3	18
72	Enzymatic and Biological Characterization of Novel Sirtuin Modulators against Cancer. International Journal of Molecular Sciences, 2019, 20, 5654.	1.8	16

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73	Inhibition of Histone Demethylases LSD1 and UTX Regulates ERÎ± Signaling in Breast Cancer. Cancers, 2019, 11, 2027.	1.7	34
74	Amphetamine and the Smart Drug 3,4-Methylenedioxypyrovalerone (MDPV) Induce Generalization of Fear Memory in Rats. Frontiers in Molecular Neuroscience, 2019, 12, 292.	1.4	9
75	Development of alkyl glycerone phosphate synthase inhibitors: Structure-activity relationship and effects on ether lipids and epithelial-mesenchymal transition in cancer cells. European Journal of Medicinal Chemistry, 2019, 163, 722-735.	2.6	15
76	Intergenerational inheritance of high fat diet-induced cardiac lipotoxicity in Drosophila. Nature Communications, 2019, 10, 193.	5.8	49
77	Acute and chronic neurobehavioral effects of the designer drug and bath salt constituent 3,4-methylenedioxypyrovalerone in the rat. Journal of Psychopharmacology, 2019, 33, 392-405.	2.0	21
78	Identification of novel quinazoline derivatives as potent antiplasmodial agents. European Journal of Medicinal Chemistry, 2019, 161, 277-291.	2.6	44
79	Effect of Î±-Methoxy Substitution on the Anti-HIV Activity of Dihydropyrimidin-4(3H)-ones. Journal of Medicinal Chemistry, 2019, 62, 604-621.	2.9	14
80	Epigenetic Metalloenzymes. Current Medicinal Chemistry, 2019, 26, 2748-2785.	1.2	12
81	DNA Methylation: Biological Implications and Modulation of Its Aberrant Dysregulation. RNA Technologies, 2019, , 295-331.	0.2	1
82	Lysine acetyltransferase inhibitors: structureâ€“activity relationships and potential therapeutic implications. Future Medicinal Chemistry, 2018, 10, 1067-1091.	1.1	24
83	Pyrazole-based inhibitors of enhancer of zeste homologue 2 induce apoptosis and autophagy in cancer cells. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170150.	1.8	13
84	Disruptor of telomeric silencing 1-like (DOT1L): disclosing a new class of non-nucleoside inhibitors by means of ligand-based and structure-based approaches. Journal of Computer-Aided Molecular Design, 2018, 32, 435-458.	1.3	15
85	Targeting the CoREST complex with dual histone deacetylase and demethylase inhibitors. Nature Communications, 2018, 9, 53.	5.8	175
86	KAT3B-p300 and H3AcK18/H3AcK14 levels are prognostic markers for kidney ccRCC tumor aggressiveness and target of KAT inhibitor CPTH2. Clinical Epigenetics, 2018, 10, 44.	1.8	12
87	RIP1â€“HAT1â€“SIRT Complex Identification and Targeting in Treatment and Prevention of Cancer. Clinical Cancer Research, 2018, 24, 2886-2900.	3.2	40
88	Effects of Class II-Selective Histone Deacetylase Inhibitor on Neuromuscular Function and Disease Progression in SOD1-ALS Mice. Neuroscience, 2018, 379, 228-238.	1.1	22
89	Multi-omics profiling reveals a distinctive epigenome signature for high-risk acute promyelocytic leukemia. Oncotarget, 2018, 9, 25647-25660.	0.8	13
90	EZH2, HIF-1, and Their Inhibitors: An Overview on Pediatric Cancers. Frontiers in Pediatrics, 2018, 6, 328.	0.9	14

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91	Application of Small Epigenetic Modulators in Pediatric Medulloblastoma. Frontiers in Pediatrics, 2018, 6, 370.	0.9	12
92	Pharmacological activation of SIRT6 triggers lethal autophagy in human cancer cells. Cell Death and Disease, 2018, 9, 996.	2.7	75
93	Six Years (2012â€“2018) of Researches on Catalytic EZH2 Inhibitors: The Boom of the 2â€Pyridone Compounds. Chemical Record, 2018, 18, 1818-1832.	2.9	76
94	Trends of LSD1 inhibitors in viral infections. Future Medicinal Chemistry, 2018, 10, 1133-1136.	1.1	10
95	HDAC1 inhibition by MS-275 in mesothelial cells limits cellular invasion and promotes MMT reversal. Scientific Reports, 2018, 8, 8492.	1.6	23
96	A Quinoline-Based DNA Methyltransferase Inhibitor as a Possible Adjuvant in Osteosarcoma Therapy. Molecular Cancer Therapeutics, 2018, 17, 1881-1892.	1.9	33
97	Altered modulation of lamin A/Câ€HDAC2 interaction and p21 expression during oxidative stress response in HGPS. Aging Cell, 2018, 17, e12824.	3.0	39
98	Nucleocytoplasmic export of HDAC5 and SIRT2 downregulation: two epigenetic mechanisms by which antidepressants enhance synaptic plasticity markers. Psychopharmacology, 2018, 235, 2831-2846.	1.5	11
99	Combined HAT/EZH2 modulation leads to cancer-selective cell death. Oncotarget, 2018, 9, 25630-25646.	0.8	5
100	A new nitrobenzoxadiazole-based GSTP1-1 inhibitor with a previously unheard of mechanism of action and high stability. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 240-247.	2.5	17
101	Selective targeting of HDAC1/2 elicits anticancer effects through Gli1 acetylation in preclinical models of SHH Medulloblastoma. Scientific Reports, 2017, 7, 44079.	1.6	57
102	Metabolite profiling of ascidian Styela plicata using LCâ€“MS with multivariate statistical analysis and their antitumor activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 614-623.	2.5	17
103	Lysine Deacetylase Inhibitors in Parasites: Past, Present, and Future Perspectives. Journal of Medicinal Chemistry, 2017, 60, 4780-4804.	2.9	71
104	Development of 1,2,4-Oxadiazoles as Potent and Selective Inhibitors of the Human Deacetylase Sirtuin 2: Structureâ€“Activity Relationship, X-ray Crystal Structure, and Anticancer Activity. Journal of Medicinal Chemistry, 2017, 60, 2344-2360.	2.9	82
105	Novel coumarin- and quinolinone-based polycycles as cell division cycle 25-A and -C phosphatases inhibitors induce proliferation arrest and apoptosis in cancer cells. European Journal of Medicinal Chemistry, 2017, 134, 316-333.	2.6	24
106	EZH2 inhibitors: a patent review (2014-2016). Expert Opinion on Therapeutic Patents, 2017, 27, 797-813.	2.4	40
107	The relevance of K i calculation for bi-substrate enzymes illustrated by kinetic evaluation of a novel lysine (K) acetyltransferase 8 inhibitor. European Journal of Medicinal Chemistry, 2017, 136, 480-486.	2.6	7
108	Structureâ€“Activity Relationships on Cinnamoyl Derivatives as Inhibitors of p300 Histone Acetyltransferase. ChemMedChem, 2017, 12, 1359-1368.	1.6	11

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109	Towards the development of activity-based probes for detection of lysine-specific demethylase-1 activity. Bioorganic and Medicinal Chemistry, 2017, 25, 847-856.	1.4	11
110	Structural Basis of Sirtuin 6 Activation by Synthetic Small Molecules. Angewandte Chemie - International Edition, 2017, 56, 1007-1011.	7.2	125
111	Structural Basis of Sirtuin 6 Activation by Synthetic Small Molecules. Angewandte Chemie, 2017, 129, 1027-1031.	1.6	4
112	Effect of Class II HDAC inhibition on glutamate transporter expression and survival in SOD1-ALS mice. Neuroscience Letters, 2017, 656, 120-125.	1.0	22
113	Crystal structures of the mitochondrial deacylase Sirtuin 4 reveal isoform-specific acyl recognition and regulation features. Nature Communications, 2017, 8, 1513.	5.8	80
114	Epi-drugs in combination with immunotherapy: a new avenue to improve anticancer efficacy. Clinical Epigenetics, 2017, 9, 59.	1.8	118
115	Attenuation of diet-induced obesity and induction of white fat browning with a chemical inhibitor of histone deacetylases. International Journal of Obesity, 2017, 41, 289-298.	1.6	41
116	Essential Oil Extraction, Chemical Analysis and Anti-Candida Activity of Calamintha nepeta (L.) Savi subsp. glandulosa (Req.) Ballâ€"New Approaches. Molecules, 2017, 22, 203.	1.7	30
117	The histone methyltransferase EZH2 as a druggable target in SHH medulloblastoma cancer stem cells. Oncotarget, 2017, 8, 68557-68570.	0.8	49
118	LSD1 inhibitors: a patent review (2010-2015). Expert Opinion on Therapeutic Patents, 2016, 26, 565-580.	2.4	46
119	Sirtuin functions and modulation: from chemistry to the clinic. Clinical Epigenetics, 2016, 8, 61.	1.8	291
120	Chemical epigenetics to assess the role of HDAC1â€“3 inhibition in macrophage pro-inflammatory gene expression. MedChemComm, 2016, 7, 2184-2190.	3.5	7
121	The emerging role of lysine methyltransferase SETD8 in human diseases. Clinical Epigenetics, 2016, 8, 102.	1.8	77
122	Progress in the Development of Lysine Methyltransferase SETD8 Inhibitors. ChemMedChem, 2016, 11, 1680-1685.	1.6	18
123	MC1568 inhibits HDAC6/8 activity and influenza A virus replication in lung epithelial cells: role of Hsp90 acetylation. Future Medicinal Chemistry, 2016, 8, 2017-2031.	1.1	33
124	The International Human Epigenome Consortium: A Blueprint for Scientific Collaboration and Discovery. Cell, 2016, 167, 1145-1149.	13.5	404
125	Polymyxins and quinazolines are LSD1/KDM1A inhibitors with unusual structural features. Science Advances, 2016, 2, e1601017.	4.7	61
126	Histone deacetylase inhibitors restore IL-10 expression in lipopolysaccharide-induced cell inflammation and reduce IL-1Î² and IL-6 production in breast silicone implant in C57BL/6J wild-type murine model. Autoimmunity, 2016, 49, 155-165.	1.2	20

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127	The histone acetyltransferase p300 inhibitor C646 reduces pro-inflammatory gene expression and inhibits histone deacetylases. Biochemical Pharmacology, 2016, 102, 130-140.	2.0	46
128	1,4-Dihydropyridines Active on the SIRT1/AMPK Pathway Ameliorate Skin Repair and Mitochondrial Function and Exhibit Inhibition of Proliferation in Cancer Cells. Journal of Medicinal Chemistry, 2016, 59, 1471-1491.	2.9	60
129	Discovery of a Novel Inhibitor of Histone Lysine-Specific Demethylase 1A (KDM1A/LSD1) as Orally Active Antitumor Agent. Journal of Medicinal Chemistry, 2016, 59, 1501-1517.	2.9	70
130	Histone acetyltransferase inhibitor CPTH6 preferentially targets lung cancer stem-like cells. Oncotarget, 2016, 7, 11332-11348.	0.8	49
131	Tumour-specific metabolic adaptation to acidosis is coupled to epigenetic stability in osteosarcoma cells. American Journal of Cancer Research, 2016, 6, 859-75.	1.4	18
132	Targeting Lysine Deacetylases (KDACs) in Parasites. PLoS Neglected Tropical Diseases, 2015, 9, e0004026.	1.3	47
133	Pure enantiomers of benzoylamino-tranylcypromine: LSD1 inhibition, gene modulation in human leukemia cells and effects on clonogenic potential of murine promyelocytic blasts. European Journal of Medicinal Chemistry, 2015, 94, 163-174.	2.6	28
134	Enzyme kinetics and inhibition of histone acetyltransferase KAT8. European Journal of Medicinal Chemistry, 2015, 105, 289-296.	2.6	31
135	Sirtuin modulators: an updated patent review (2012 â€“ 2014). Expert Opinion on Therapeutic Patents, 2015, 25, 5-15.	2.4	46
136	Sirtuin function in aging heart and vessels. Journal of Molecular and Cellular Cardiology, 2015, 83, 55-61.	0.9	83
137	Pyrrole- and indole-containing tranylcypromine derivatives as novel lysine-specific demethylase 1 inhibitors active on cancer cells. MedChemComm, 2015, 6, 665-670.	3.5	24
138	Interplay among nucleosomal DNA, histone tails, and corepressor CoREST underlies LSD1-mediated H3 demethylation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2752-2757.	3.3	71
139	SIRT5 regulation of ammonia-induced autophagy and mitophagy. Autophagy, 2015, 11, 253-270.	4.3	223
140	New Insights on the Mechanism of Quinoline-based DNA Methyltransferase Inhibitors. Journal of Biological Chemistry, 2015, 290, 6293-6302.	1.6	50
141	Novel Histone Deacetylase Inhibitors Induce Growth Arrest, Apoptosis, and Differentiation in Sarcoma Cancer Stem Cells. Journal of Medicinal Chemistry, 2015, 58, 4073-4079.	2.9	55
142	Emerging approaches for histone deacetylase inhibitor drug discovery. Expert Opinion on Drug Discovery, 2015, 10, 599-613.	2.5	63
143	A new water soluble MAPK activator exerts antitumor activity in melanoma cells resistant to the BRAF inhibitor vemurafenib. Biochemical Pharmacology, 2015, 95, 16-27.	2.0	29
144	A Novel Cell-Permeable, Selective, and Noncompetitive Inhibitor of KAT3 Histone Acetyltransferases from a Combined Molecular Pruning/Classical Isosterism Approach. Journal of Medicinal Chemistry, 2015, 58, 2779-2798.	2.9	48

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145	Chronic stress and antidepressant induced changes in Hdac5 and Sirt2 affect synaptic plasticity. European Neuropsychopharmacology, 2015, 25, 2036-2048.	0.3	51
146	Discovery of Inhibitors for the Ether Lipid-Generating Enzyme AGPS as Anti-Cancer Agents. ACS Chemical Biology, 2015, 10, 2589-2597.	1.6	54
147	Synthesis and structureâ€“activity relationship of new cytotoxic agents targeting human glutathione-S-transferases. European Journal of Medicinal Chemistry, 2015, 89, 156-171.	2.6	32
148	Identification of Structural Features of 2â€Alkylideneâ€1,3â€Dicarbonyl Derivatives that Induce Inhibition and/or Activation of Histone Acetyltransferases KAT3B/p300 and KAT2B/PCAF. ChemMedChem, 2015, 10, 144-157.	1.6	21
149	Pure Diastereomers of a Tranylcypromine-Based LSD1 Inhibitor: Enzyme Selectivity and In-Cell Studies. ACS Medicinal Chemistry Letters, 2015, 6, 173-177.	1.3	16
150	A novel orally active water-soluble inhibitor of human glutathione transferase exerts a potent and selective antitumor activity against human melanoma xenografts. Oncotarget, 2015, 6, 4126-4143.	0.8	22
151	DNA Methyltransferases Inhibitors from Natural Sources. Current Topics in Medicinal Chemistry, 2015, 16, 680-696.	1.0	56
152	Abstract 2946: Effects of two novel quinoline-based non-nucleoside DNA methyltransferase inhibitors against bone sarcomas. , 2015, , .		0
153	Properly Substituted Analogues of BIX-01294 Lose Inhibition of G9a Histone Methyltransferase and Gain Selective Anti-DNA Methyltransferase 3A Activity. PLoS ONE, 2014, 9, e96941.	1.1	35
154	PRMT1 arginine methyltransferase accumulates in cytoplasmic bodies that respond to selective inhibition and DNA damage. European Journal of Histochemistry, 2014, 58, 2389.	0.6	9
155	Reversible acetylation regulates vascular endothelial growth factor receptor-2 activity. Journal of Molecular Cell Biology, 2014, 6, 116-127.	1.5	31
156	The Polycomb group (PcG) protein EZH2 supports the survival of PAX3-FOXO1 alveolar rhabdomyosarcoma by repressing FBXO32 (Atrogin1/MAFbx). Oncogene, 2014, 33, 4173-4184.	2.6	61
157	Sirtuin modulators control reactive gliosis in an in vitro model of AlzheimerÃ¢â‚¬â„¢s disease. Frontiers in Pharmacology, 2014, 5, 89.	1.6	56
158	Synthesis, biological activity and mechanistic insights of 1-substituted cyclopropylamine derivatives: A novel class of irreversible inhibitors of histone demethylase KDM1A. European Journal of Medicinal Chemistry, 2014, 86, 352-363.	2.6	50
159	Context-Selective Death of Acute Myeloid Leukemia Cells Triggered by the Novel Hybrid Retinoid-HDAC Inhibitor MC2392. Cancer Research, 2014, 74, 2328-2339.	0.4	33
160	Quinolineâ€Based p300 Histone Acetyltransferase Inhibitors with Proâ€apoptotic Activity in Human Leukemia U937 Cells. ChemMedChem, 2014, 9, 542-548.	1.6	29
161	Identification of NuRSERY, a new functional HDAC complex composed by HDAC5, GATA1, EKLF and pERK present in human erythroid cells. International Journal of Biochemistry and Cell Biology, 2014, 50, 112-122.	1.2	23
162	IÎºB Kinase Îµ Targets Interferon Regulatory Factor 1 in Activated T Lymphocytes. Molecular and Cellular Biology, 2014, 34, 1054-1065.	1.1	33

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163	Small-molecule inhibitors of histone deacetylase for the treatment of cancer and non-cancer diseases: a patent review (2011 â€“ 2013). Expert Opinion on Therapeutic Patents, 2014, 24, 401-415.	2.4	40
164	Evaluation of a large library of (thiazol-2-yl)hydrazones and analogues as histone acetyltransferase inhibitors: Enzyme and cellular studies. European Journal of Medicinal Chemistry, 2014, 80, 569-578.	2.6	54
165	Targeting Epigenetics in Drug Discovery. ChemMedChem, 2014, 9, 415-417.	1.6	12
166	Dissecting histone deacetylase role in pulmonary arterial smooth muscle cell proliferation and migration. Biochemical Pharmacology, 2014, 91, 181-190.	2.0	24
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