Antonello Mai

List of Publications by Year
in descending order

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351 papers	15,744 citations	16451 64 h-index	31849 101 g-index
375 all docs	375 docs citations	375 times ranked	22616 citing authors

#	Article	IF	Citations
1	The International Human Epigenome Consortium: A Blueprint for Scientific Collaboration and Discovery. Cell, 2016, 167, 1145-1149.	28.9	404
2	TNF/p38Î±/Polycomb Signaling to Pax7 Locus in Satellite Cells Links Inflammation to the Epigenetic Control of Muscle Regeneration. Cell Stem Cell, 2010, 7, 455-469.	11.1	346
3	BLUEPRINT to decode the epigenetic signature written in blood. Nature Biotechnology, 2012, 30, 224-226.	17.5	323
4	Histone deacetylation in epigenetics: An attractive target for anticancer therapy. Medicinal Research Reviews, 2005, 25, 261-309.	10.5	306
5	Sirtuin functions and modulation: from chemistry to the clinic. Clinical Epigenetics, 2016, 8, 61.	4.1	291
6	Biochemical, Structural, and Biological Evaluation of Tranylcypromine Derivatives as Inhibitors of Histone Demethylases LSD1 and LSD2. Journal of the American Chemical Society, 2010, 132, 6827-6833.	13.7	261
7	Salermide, a Sirtuin inhibitor with a strong cancer-specific proapoptotic effect. Oncogene, 2009, 28, 781-791.	5.9	244
8	HDAC2 blockade by nitric oxide and histone deacetylase inhibitors reveals a common target in Duchenne muscular dystrophy treatment. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19183-19187.	7.1	234
9	SIRT5 regulation of ammonia-induced autophagy and mitophagy. Autophagy, 2015, 11, 253-270.	9.1	223
10	The emerging role of epigenetics in human autoimmune disorders. Clinical Epigenetics, 2019, 11, 34.	4.1	200
11	Inhibition of Class I Histone Deacetylases Unveils a Mitochondrial Signature and Enhances Oxidative Metabolism in Skeletal Muscle and Adipose Tissue. Diabetes, 2013, 62, 732-742.	0.6	196
12	Class II (IIa)-Selective Histone Deacetylase Inhibitors. 1. Synthesis and Biological Evaluation of Novel (Aryloxopropenyl)pyrrolyl Hydroxyamides. Journal of Medicinal Chemistry, 2005, 48, 3344-3353.	6.4	193
13	Oxidative Stress and Epigenetic Regulation in Ageing and Age-Related Diseases. International Journal of Molecular Sciences, 2013, 14, 17643-17663.	4.1	183
14	Epi-drugs to fight cancer: From chemistry to cancer treatment, the road ahead. International Journal of Biochemistry and Cell Biology, 2009, 41, 199-213.	2.8	177
15	Targeting Histone Demethylases: A New Avenue for the Fight against Cancer. Genes and Cancer, 2011, 2, 663-679.	1.9	177
16	Targeting the CoREST complex with dual histone deacetylase and demethylase inhibitors. Nature Communications, 2018, 9, 53.	12.8	175
17	Design, Synthesis, and Biological Evaluation of Sirtinol Analogues as Class III Histone/Protein Deacetylase (Sirtuin) Inhibitors. Journal of Medicinal Chemistry, 2005, 48, 7789-7795.	6.4	159
18	HDAC4-Regulated STAT1 Activation Mediates Platinum Resistance in Ovarian Cancer. Cancer Research, 2011, 71, 4412-4422.	0.9	159

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19	Study of 1,4-Dihydropyridine Structural Scaffold: Discovery of Novel Sirtuin Activators and Inhibitors. Journal of Medicinal Chemistry, 2009, 52, 5496-5504.	6.4	147
20	Small-Molecule Inhibitors of Histone Acetyltransferase Activity:Â Identification and Biological Properties. Journal of Medicinal Chemistry, 2006, 49, 6897-6907.	6.4	134
21	Epigenetic Multiple Ligands: Mixed Histone/Protein Methyltransferase, Acetyltransferase, and Class III Deacetylase (Sirtuin) Inhibitors. Journal of Medicinal Chemistry, 2008, 51, 2279-2290.	6.4	133
22	Selective class II HDAC inhibitors impair myogenesis by modulating the stability and activity of HDACâ€“MEF2 complexes. EMBO Reports, 2009, 10, 776-782.	4.5	125
23	Structural Basis of Sirtuin 6 Activation by Synthetic Small Molecules. Angewandte Chemie - International Edition, 2017, 56, 1007-1011.	13.8	125
24	Inhibition of Histone Deacetylase Class I but not Class II Is Critical for the Sensitization of Leukemic Cells to Tumor Necrosis Factorâ€“Related Apoptosis-Inducing Ligandâ€“Induced Apoptosis. Cancer Research, 2006, 66, 6785-6792.	0.9	124
25	Specific Control of Pancreatic Endocrine Î²- and Î´-Cell Mass by Class IIa Histone Deacetylases HDAC4, HDAC5, and HDAC9. Diabetes, 2011, 60, 2861-2871.	0.6	119
26	Epi-drugs in combination with immunotherapy: a new avenue to improve anticancer efficacy. Clinical Epigenetics, 2017, 9, 59.	4.1	118
27	Nitric Oxide Modulates Chromatin Folding in Human Endothelial Cells via Protein Phosphatase 2A Activation and Class II Histone Deacetylases Nuclear Shuttling. Circulation Research, 2008, 102, 51-58.	4.5	114
28	3-(4-Aroyl-1-methyl-1H-2-pyrrolyl)-N-hydroxy-2-alkylamides as a New Class of Synthetic Histone Deacetylase Inhibitors. 1. Design, Synthesis, Biological Evaluation, and Binding Mode Studies Performed through Three Different Docking Procedures. Journal of Medicinal Chemistry, 2003, 46, 512-524.	6.4	113
29	Selective Non-nucleoside Inhibitors of Human DNA Methyltransferases Active in Cancer Including in Cancer Stem Cells. Journal of Medicinal Chemistry, 2014, 57, 701-713.	6.4	111
30	5-Alkyl-2-(alkylthio)-6-(2,6-dihalophenylmethyl)-3,4-dihydropyrimidin-4(3H)-ones:Â Novel Potent and Selective Dihydro-alkoxy-benzyl-oxopyrimidine Derivatives. Journal of Medicinal Chemistry, 1999, 42, 619-627.	6.4	109
31	Dihydro(alkylthio)(naphthylmethyl)oxopyrimidines:Â Novel Non-Nucleoside Reverse Transcriptase Inhibitors of theS-DABO Series. Journal of Medicinal Chemistry, 1997, 40, 1447-1454.	6.4	106
32	Pan-Histone Demethylase Inhibitors Simultaneously Targeting Jumonji C and Lysine-Specific Demethylases Display High Anticancer Activities. Journal of Medicinal Chemistry, 2014, 57, 42-55.	6.4	105
33	1,3,4-Oxadiazole-Containing Histone Deacetylase Inhibitors: Anticancer Activities in Cancer Cells. Journal of Medicinal Chemistry, 2014, 57, 6259-6265.	6.4	102
34	"Shock and kill" effects of class I-selective histone deacetylase inhibitors in combination with the glutathione synthesis inhibitor buthionine sulfoximine in cell line models for HIV-1 quiescence. Retrovirology, 2009, 6, 52.	2.0	100
35	Small Molecule Inhibitors of Histone Arginine Methyltransferases:â€‰ Homology Modeling, Molecular Docking, Binding Mode Analysis, and Biological Evaluations. Journal of Medicinal Chemistry, 2007, 50, 1241-1253.	6.4	98
36	Identification of long chain alkylidenemalonates as novel small molecule modulators of histone acetyltransferases. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 2788-2792.	2.2	96

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37	Specific Activity of Class II Histone Deacetylases in Human Breast Cancer Cells. Molecular Cancer Research, 2008, 6, 1908-1919.	3.4	95
38	Preparation and anti-HIV-1 activity of Thio Analogues of Dichydroalkoxybenzyloxopyrimidines. Journal of Medicinal Chemistry, 1995, 38, 3258-3263.	6.4	93
39	Histone acetyltransferase inhibitors and preclinical studies. Expert Opinion on Therapeutic Patents, 2009, 19, 761-774.	5.0	93
40	N ^{Îµ} -lysine acetylation determines dissociation from GAP junctions and lateralization of connexin 43 in normal and dystrophic heart. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2795-2800.	7.1	93
41	Histone Deacetylase-3 Activation Promotes Tumor Necrosis Factor-Î± (TNF-Î±) Expression in Cardiomyocytes during Lipopolysaccharide Stimulation. Journal of Biological Chemistry, 2010, 285, 9429-9436.	3.4	89
42	Computer-Aided Design, Synthesis, and Anti-HIV-1 Activity in Vitro of 2-Alkylamino-6-[1-(2,6-difluorophenyl)alkyl]-3,4-dihydro-5-alkylpyrimidin-4(3H)- ones as Novel Potent Non-Nucleoside Reverse Transcriptase Inhibitors, Also Active Against the Y181C Variant. Journal of Medicinal Chemistry, 2004, 47, 928-934.	6.4	85
43	Structure-Based Design, Synthesis, and Biological Evaluation of Conformationally Restricted Novel 2-Alkylthio-6-[1-(2,6-difluorophenyl)alkyl]- 3,4-dihydro-5-alkylpyrimidin-4(3H)-ones as Non-nucleoside Inhibitors of HIV-1 Reverse Transcriptase. Journal of Medicinal Chemistry, 2001, 44, 2544-2554.	6.4	84
44	Discovery of uracil-based histone deacetylase inhibitors able to reduce acquired antifungal resistance and trailing growth in Candida albicans. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 1221-1225.	2.2	84
45	Discovery of Salermide-Related Sirtuin Inhibitors: Binding Mode Studies and Antiproliferative Effects in Cancer Cells Including Cancer Stem Cells. Journal of Medicinal Chemistry, 2012, 55, 10937-10947.	6.4	84
46	Sirtuin function in aging heart and vessels. Journal of Molecular and Cellular Cardiology, 2015, 83, 55-61.	1.9	83
47	p300/CBP-Associated Factor Selectively Regulates the Extinction of Conditioned Fear. Journal of Neuroscience, 2012, 32, 11930-11941.	3.6	82
48	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.	6.4	82
49	Crystal structures of the mitochondrial deacylase Sirtuin 4 reveal isoform-specific acyl recognition and regulation features. Nature Communications, 2017, 8, 1513.	12.8	80
50	3-(4-Aroyl-1H-pyrrol-2-yl)-N-hydroxy-2-propenamides, a New Class of Synthetic Histone Deacetylase Inhibitors. Journal of Medicinal Chemistry, 2001, 44, 2069-2072.	6.4	79
51	The emerging role of lysine methyltransferase SETD8 in human diseases. Clinical Epigenetics, 2016, 8, 102.	4.1	77
52	Six Years (2012â€“2018) of Researches on Catalytic EZH2 Inhibitors: The Boom of the 2â€Pyridone Compounds. Chemical Record, 2018, 18, 1818-1832.	5.8	76
53	Pharmacological activation of SIRT6 triggers lethal autophagy in human cancer cells. Cell Death and Disease, 2018, 9, 996.	6.3	75
54	Histone Deacetylase Inhibitors and Neurodegenerative Disorders: Holding the Promise. Current Pharmaceutical Design, 2009, 15, 3940-3957.	1.9	74

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55	Gold drug auranofin restricts the viral reservoir in the monkey AIDS model and induces containment of viral load following ART suspension. Aids, 2011, 25, 1347-1356.	2.2	74
56	A Nitric Oxide-dependent Cross-talk between Class I and III Histone Deacetylases Accelerates Skin Repair. Journal of Biological Chemistry, 2013, 288, 11004-11012.	3.4	74
57	Epigenetic polypharmacology: A new frontier for epiâ€drug discovery. Medicinal Research Reviews, 2020, 40, 190-244.	10.5	74
58	Histone deacetylase inhibitors induce thyroid cancer-specific apoptosis through proteasome-dependent inhibition of TRAIL degradation. Oncogene, 2010, 29, 105-116.	5.9	73
59	The Innovative Potential of Statins in Cancer: New Targets for New Therapies. Frontiers in Chemistry, 2020, 8, 516.	3.6	73
60	3,4-Dihydro-2-Alkoxy-6-Benzyl-4-Oxopyrimidines (DABOs): A New Class of Specific Inhibitors of Human Immunodeficiency Virus Type 1. Antiviral Chemistry and Chemotherapy, 1993, 4, 361-368.	0.6	72
61	The emerging role of histone lysine demethylases in prostate cancer. Molecular Cancer, 2012, 11, 52.	19.2	72
62	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.	7.1	71
63	Lysine Deacetylase Inhibitors in Parasites: Past, Present, and Future Perspectives. Journal of Medicinal Chemistry, 2017, 60, 4780-4804.	6.4	71
64	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.	6.4	70
65	The Histone Acetylase Activator Pentadecylidenemalonate 1b Rescues Proliferation and Differentiation in the Human Cardiac Mesenchymal Cells of Type 2 Diabetic Patients. Diabetes, 2014, 63, 2132-2147.	0.6	66
66	Binding Mode Analysis of 3-(4-Benzoyl-1-methyl-1H-2-pyrrolyl)-N-hydroxy-2-propenamide:Â A New Synthetic Histone Deacetylase Inhibitor Inducing Histone Hyperacetylation, Growth Inhibition, and Terminal Cell Differentiation. Journal of Medicinal Chemistry, 2002, 45, 1778-1784.	6.4	65
67	3-(4-Aroyl-1-methyl-1H-pyrrol-2-yl)-N-hydroxy-2-propenamides as a New Class of Synthetic Histone Deacetylase Inhibitors. 3. Discovery of Novel Lead Compounds through Structure-Based Drug Design and Docking Studiesâ€Ï". Journal of Medicinal Chemistry, 2004, 47, 1351-1359.	6.4	65
68	Novel 3,5-Bis(bromohydroxybenzylidene)piperidin-4-ones as Coactivator-Associated Arginine Methyltransferase 1 Inhibitors: Enzyme Selectivity and Cellular Activity. Journal of Medicinal Chemistry, 2011, 54, 4928-4932.	6.4	65
69	Role of endogenous reverse transcriptase in murine early embryo development. Molecular Reproduction and Development, 2003, 66, 225-236.	2.0	64
70	Discovery of (Aryloxopropenyl)pyrrolyl Hydroxyamides as Selective Inhibitors of Class IIa Histone Deacetylase Homologue HD1-A. Journal of Medicinal Chemistry, 2003, 46, 4826-4829.	6.4	63
71	Identification of 4-hydroxyquinolines inhibitors of p300/CBP histone acetyltransferases. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 1132-1135.	2.2	63
72	Emerging approaches for histone deacetylase inhibitor drug discovery. Expert Opinion on Drug Discovery, 2015, 10, 599-613.	5.0	63

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73	A closer look into NADPH oxidase inhibitors: Validation and insight into their mechanism of action. Redox Biology, 2020, 32, 101466.	9.0	62
74	3-(4-Aroyl-1-methyl-1H-2-pyrrolyl)-N-hydroxy-2-propenamides as a New Class of Synthetic Histone Deacetylase Inhibitors. 2. Effect of Pyrrole-C2and/or -C4Substitutions on Biological Activityâ€. Journal of Medicinal Chemistry, 2004, 47, 1098-1109.	6.4	61
75	The Polycomb group (PcG) protein EZH2 supports the survival of PAX3-FOXO1 alveolar rhabdomyosarcoma by repressing FBXO32 (Atrogin1/MAFbx). Oncogene, 2014, 33, 4173-4184.	5.9	61
76	Pharmacological inhibition of EZH2 as a promising differentiation therapy in embryonal RMS. BMC Cancer, 2014, 14, 139.	2.6	61
77	Polymyxins and quinazolines are LSD1/KDM1A inhibitors with unusual structural features. Science Advances, 2016, 2, e1601017.	10.3	61
78	Sirtinol Treatment Reduces Inflammation in Human Dermal Microvascular Endothelial Cells. PLoS ONE, 2011, 6, e24307.	2.5	61
79	Design, Synthesis and Biological Evaluation of Carboxy Analogues of Arginine Methyltransferase Inhibitorâ€…1 (AMIâ€1). ChemMedChem, 2010, 5, 398-414.	3.2	60
80	Protein Recognition by Short Peptide Reversible Inhibitors of the Chromatin-Modifying LSD1/CoREST Lysine Demethylase. ACS Chemical Biology, 2013, 8, 1677-1682.	3.4	60
81	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.	6.4	60
82	Synthesis and Biological Properties of Novel, Uracil-Containing Histone Deacetylase Inhibitors. Journal of Medicinal Chemistry, 2006, 49, 6046-6056.	6.4	57
83	Selective targeting of HDAC1/2 elicits anticancer effects through Gli1 acetylation in preclinical models of SHH Medulloblastoma. Scientific Reports, 2017, 7, 44079.	3.3	57
84	Class II HDAC Inhibition Hampers Hepatic Stellate Cell Activation by Induction of MicroRNA-29. PLoS ONE, 2013, 8, e55786.	2.5	56
85	Sirtuin modulators control reactive gliosis in an in vitro model of AlzheimerÃ¢â‚¬â„¢s disease. Frontiers in Pharmacology, 2014, 5, 89.	3.5	56
86	Targeting the scaffolding role of LSD1 (KDM1A) poises acute myeloid leukemia cells for retinoic acidâ€“induced differentiation. Science Advances, 2020, 6, eaax2746.	10.3	56
87	DNA Methyltransferases Inhibitors from Natural Sources. Current Topics in Medicinal Chemistry, 2015, 16, 680-696.	2.1	56
88	Synthesis and in vitro antimycobacterial activity of novel 3-(1H-pyrrol-1-yl)-2-oxazolidinone analogues of PNU-100480. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 1537-1541.	2.2	55
89	Synthesis and Biological Properties of Novel 2-Aminopyrimidin-4(3H)-ones Highly Potent against HIV-1 Mutant Strains. Journal of Medicinal Chemistry, 2007, 50, 5412-5424.	6.4	55
90	Novel Histone Deacetylase Inhibitors Induce Growth Arrest, Apoptosis, and Differentiation in Sarcoma Cancer Stem Cells. Journal of Medicinal Chemistry, 2015, 58, 4073-4079.	6.4	55

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91	Histone deacetylase inhibitors exert anti-tumor effects on human adherent and stem-like glioma cells. Clinical Epigenetics, 2019, 11, 11.	4.1	55
92	The therapeutic uses of chromatin-modifying agents. Expert Opinion on Therapeutic Targets, 2007, 11, 835-851.	3.4	54
93	Combining 3-D Quantitative Structureâ^'Activity Relationship with Ligand Based and Structure Based Alignment Procedures for in Silico Screening of New Hepatitis C Virus NS5B Polymerase Inhibitors. Journal of Chemical Information and Modeling, 2010, 50, 662-676.	5.4	54
94	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.	5.5	54
95	Discovery of Inhibitors for the Ether Lipid-Generating Enzyme AGPS as Anti-Cancer Agents. ACS Chemical Biology, 2015, 10, 2589-2597.	3.4	54
96	HDACs class II-selective inhibition alters nuclear receptor-dependent differentiation. Journal of Molecular Endocrinology, 2010, 45, 219-228.	2.5	53
97	An Analog of BIX-01294 Selectively Inhibits a Family of Histone H3 Lysine 9 Jumonji Demethylases. Journal of Molecular Biology, 2012, 416, 319-327.	4.2	53
98	Synthesis and Biological Validation of Novel Synthetic Histone/Protein Methyltransferase Inhibitors. ChemMedChem, 2007, 2, 987-991.	3.2	52
99	5-Alkyl-6-benzyl-2-(2-oxo-2-phenylethylsulfanyl)pyrimidin-4(3H)-ones, a Series of Anti-HIV-1 Agents of the Dihydro-alkoxy-benzyl-oxopyrimidine Family with Peculiar Structureâ^'Activity Relationship Profile. Journal of Medicinal Chemistry, 2008, 51, 4641-4652.	6.4	52
100	Chronic stress and antidepressant induced changes in Hdac5 and Sirt2 affect synaptic plasticity. European Neuropsychopharmacology, 2015, 25, 2036-2048.	0.7	51
101	Antimalarial and Antileishmanial Activities of Aroyl-Pyrrolyl-Hydroxyamides, a New Class of Histone Deacetylase Inhibitors. Antimicrobial Agents and Chemotherapy, 2004, 48, 1435-1436.	3.2	50
102	Nitric Oxide Determines Mesodermic Differentiation of Mouse Embryonic Stem Cells by Activating Class IIa Histone Deacetylases: Potential Therapeutic Implications in a Mouse Model of Hindlimb Ischemia. Stem Cells, 2010, 28, 431-442.	3.2	50
103	Discovery, Synthesis, and Pharmacological Evaluation of Spiropiperidine Hydroxamic Acid Based Derivatives as Structurally Novel Histone Deacetylase (HDAC) Inhibitors. Journal of Medicinal Chemistry, 2011, 54, 3051-3064.	6.4	50
104	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.	5.5	50
105	New Insights on the Mechanism of Quinoline-based DNA Methyltransferase Inhibitors. Journal of Biological Chemistry, 2015, 290, 6293-6302.	3.4	50
106	Metabolic Rewiring by Loss of Sirt5 Promotes Kras-Induced Pancreatic Cancer Progression. Gastroenterology, 2021, 161, 1584-1600.	1.3	50
107	Synthesis and Antiviral Activity of New 3,4-Dihydro-2-Alkoxy-6-Benzyl-4-Oxopyrimidines (DABOs), Specific Inhibitors of Human Immunodeficiency Virus Type 1. Antiviral Chemistry and Chemotherapy, 1995, 6, 1-8.	0.6	49
108	Intergenerational inheritance of high fat diet-induced cardiac lipotoxicity in Drosophila. Nature Communications, 2019, 10, 193.	12.8	49

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109	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.	2.8	49
110	Sirt4: A Multifaceted Enzyme at the Crossroads of Mitochondrial Metabolism and Cancer. Frontiers in Oncology, 2020, 10, 474.	2.8	49
111	The histone methyltransferase EZH2 as a druggable target in SHH medulloblastoma cancer stem cells. Oncotarget, 2017, 8, 68557-68570.	1.8	49
112	Histone acetyltransferase inhibitor CPTH6 preferentially targets lung cancer stem-like cells. Oncotarget, 2016, 7, 11332-11348.	1.8	49
113	HDAC-class II specific inhibition involves HDAC proteasome-dependent degradation mediated by RANBP2. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 2030-2038.	4.1	48
114	Characterization of Sirtuin Inhibitors in Nematodes Expressing a Muscular Dystrophy Protein Reveals Muscle Cell and Behavioral Protection by Specific Sirtinol Analogues. Journal of Medicinal Chemistry, 2010, 53, 1407-1411.	6.4	48
115	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.	6.4	48
116	Diarylpyrimidineâ˜Dihydrobenzyloxopyrimidine Hybrids: New, Wide-Spectrum Anti-HIV-1 Agents Active at (Sub)-Nanomolar Level. Journal of Medicinal Chemistry, 2011, 54, 3091-3096.	6.4	47
117	Targeting Lysine Deacetylases (KDACs) in Parasites. PLoS Neglected Tropical Diseases, 2015, 9, e0004026.	3.0	47
118	5-Alkyl-2-alkylamino-6-(2,6-difluorophenylalkyl)-3,4-dihydropyrimidin-4(3H)-ones, a new series of potent, broad-spectrum non-nucleoside reverse transcriptase inhibitors belonging to the DABO family. Bioorganic and Medicinal Chemistry, 2005, 13, 2065-2077.	3.0	46
119	Exploring the connection unit in the HDAC inhibitor pharmacophore model: Novel uracil-based hydroxamates. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 4656-4661.	2.2	46
120	6-[1-(2,6-Difluorophenyl)ethyl]pyrimidinones Antagonize Cell Proliferation and Induce Cell Differentiation by Inhibiting (a Nontelomeric) Endogenous Reverse Transcriptase. Journal of Medicinal Chemistry, 2005, 48, 6776-6778.	6.4	46
121	A Photoreactive Small-Molecule Probe for 2-Oxoglutarate Oxygenases. Chemistry and Biology, 2011, 18, 642-654.	6.0	46
122	Sirtuin modulators: an updated patent review (2012 â€“ 2014). Expert Opinion on Therapeutic Patents, 2015, 25, 5-15.	5.0	46
123	LSD1 inhibitors: a patent review (2010-2015). Expert Opinion on Therapeutic Patents, 2016, 26, 565-580.	5.0	46
124	The histone acetyltransferase p300 inhibitor C646 reduces pro-inflammatory gene expression and inhibits histone deacetylases. Biochemical Pharmacology, 2016, 102, 130-140.	4.4	46
125	Histone deacetylase inhibitors may reduce pathogenicity and virulence inCandida albicans. FEMS Yeast Research, 2007, 7, 1371-1380.	2.3	44
126	Non-Cancer Uses of Histone Deacetylase Inhibitors: Effects on Infectious Diseases and β-Hemoglobinopathies+. Current Topics in Medicinal Chemistry, 2009, 9, 272-291.	2.1	44

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127	Identification of novel quinazoline derivatives as potent antiplasmodial agents. European Journal of Medicinal Chemistry, 2019, 161, 277-291.	5.5	44
128	The histone deacetylase inhibitor suberoylanilide hydroxamic acid reduces cardiac arrhythmias in dystrophic mice. Cardiovascular Research, 2010, 87, 73-82.	3.8	43
129	3-D QSAR Studies on Histone Deacetylase Inhibitors. A GOLPE/GRID Approach on Different Series of Compounds. Journal of Chemical Information and Modeling, 2006, 46, 1420-1430.	5.4	42
130	Novel benzofuranâ€“chromone and â€“coumarin derivatives: synthesis and biological activity in K562 human leukemia cells. MedChemComm, 2013, 4, 1571.	3.4	41
131	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.	3.4	41
132	A NEW FACILE AND EXPEDITIOUS SYNTHESIS OF N-HYDROXY-Nâ€²-PHENYLOCTANEDIAMJDE, A POTENT INDUCER OF TERMINAL CYTODIFFERECNTIATION. Organic Preparations and Procedures International, 2001, 33, 391-394.	1.3	40
133	Identification of Triâ€•and Tetracyclic Pyrimidinediones as Sirtuin Inhibitors. ChemMedChem, 2010, 5, 674-677.	3.2	40
134	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.	5.0	40
135	EZH2 inhibitors: a patent review (2014-2016). Expert Opinion on Therapeutic Patents, 2017, 27, 797-813.	5.0	40
136	RIP1â€“HAT1â€“SIRT Complex Identification and Targeting in Treatment and Prevention of Cancer. Clinical Cancer Research, 2018, 24, 2886-2900.	7.0	40
137	Class II-selective histone deacetylase inhibitors. Part 2: Alignment-independent GRIND 3-D QSAR, homology and docking studies. European Journal of Medicinal Chemistry, 2008, 43, 621-632.	5.5	39
138	Histone deacetylase inhibitors: Keeping momentum for neuromuscular and cardiovascular diseases treatment. Pharmacological Research, 2010, 62, 3-10.	7.1	39
139	Amino acid starvation induces reactivation of silenced transgenes and latent HIV-1 provirus via down-regulation of histone deacetylase 4 (HDAC4). Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2284-93.	7.1	39
140	Altered modulation of lamin A/Câ€HDAC2 interaction and p21 expression during oxidative stress response in HGPS. Aging Cell, 2018, 17, e12824.	6.7	39
141	Sirtuin modulators: where are we now? A review of patents from 2015 to 2019. Expert Opinion on Therapeutic Patents, 2020, 30, 389-407.	5.0	39
142	Emerging Therapeutic Potential of SIRT6 Modulators. Journal of Medicinal Chemistry, 2021, 64, 9732-9758.	6.4	38
143	A novel Gcn5p inhibitor represses cell growth, gene transcription and histone acetylation in budding yeast. Biochemical Pharmacology, 2005, 70, 911-917.	4.4	37
144	Screen of Pseudopeptidic Inhibitors of Human Sirtuins 1â€“3: Two Lead Compounds with Antiproliferative Effects in Cancer Cells. Journal of Medicinal Chemistry, 2013, 56, 6681-6695.	6.4	36

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