Mary Kay H Pflum

List of Publications by Year
in descending order

52	1,435	394421	330143
papers	citations	19 h-index	37 g-index

55	55	55	1715
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Isoform-selective histone deacetylase inhibitors. Chemical Society Reviews, 2008, 37, 1402.	38.1	295
2	Histone Deacetylase 1 Phosphorylation Promotes Enzymatic Activity and Complex Formation. Journal of Biological Chemistry, 2001, 276, 47733-47741.	3.4	220
3	Kinase-Catalyzed Biotinylation for Phosphoprotein Detection. Journal of the American Chemical Society, 2007, 129, 10-11.	13.7	103
4	Residues in the 11 Ã... Channel of Histone Deacetylase 1 Promote Catalytic Activity: Implications for Designing Isoform-Selective Histone Deacetylase Inhibitors. Journal of Medicinal Chemistry, 2008, 51, 5542-5551.	6.4	50
5	Phosphorylationâ€Dependent Kinaseâ€“Substrate Crossâ€Linking. Angewandte Chemie - International Edition, 2010, 49, 1627-1630.	13.8	49
6	Structural requirements of HDAC inhibitors: SAHA analogs functionalized adjacent to the hydroxamic acid. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 2216-2219.	2.2	46
7	Mutagenesis Studies of the 14 Ã... Internal Cavity of Histone Deacetylase 1: Insights toward the Acetate-Escape Hypothesis and Selective Inhibitor Design. Journal of Medicinal Chemistry, 2014, 57, 642-650.	6.4	43
8	LSD1 Substrate Binding and Gene Expression Are Affected by HDAC1-Mediated Deacetylation. ACS Chemical Biology, 2017, 12, 254-264.	3.4	38
9	Structural Requirements of HDAC Inhibitors: SAHA Analogues Modified at the C2 Position Display HDAC6/8 Selectivity. ACS Medicinal Chemistry Letters, 2017, 8, 281-286.	2.8	35
10	Exploring Kinase Cosubstrate Promiscuity: Monitoring Kinase Activity through Dansylation. ChemBioChem, 2009, 10, 234-237.	2.6	33
11	The structural requirements of histone deacetylase inhibitors: C4-modified SAHA analogs display dual HDAC6/HDAC8 selectivity. European Journal of Medicinal Chemistry, 2018, 143, 1790-1806.	5.5	33
12	HDAC Inhibitor-Induced Mitotic Arrest Is Mediated by Eg5/KIF11 Acetylation. Cell Chemical Biology, 2017, 24, 481-492.e5.	5.2	31
13	Largazole Analogues Embodying Radical Changes in the Depsipeptide Ring: Development of a More Selective and Highly Potent Analogue. Journal of Medicinal Chemistry, 2016, 59, 10642-10660.	6.4	29
14	The structural requirements of histone deacetylase inhibitors: Suberoylanilide hydroxamic acid analogs modified at the C3 position display isoform selectivity. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6139-6142.	2.2	26
15	The structural requirements of histone deacetylase inhibitors: Suberoylanilide hydroxamic acid analogs modified at the C6 position. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 7084-7086.	2.2	23
16	Phosphopeptide Modification and Enrichment by Oxidationâ€“Reduction Condensation. ACS Chemical Biology, 2006, 1, 697-701.	3.4	22
17	HDAC1 Substrate Profiling Using Proteomics-Based Substrate Trapping. ACS Chemical Biology, 2018, 13, 3315-3324.	3.4	22
18	Synthesis and biological evaluation of histone deacetylase inhibitors that are based on FR235222: A cyclic tetrapeptide scaffold. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 2549-2554.	2.2	21

#	Article	IF	Citations
19	Cyclic AMP Response Element-Binding Protein (CREB) and CAAT/Enhancer-Binding Protein Î² (C/EBPÎ²) Bind Chimeric DNA Sites with High Affinityâ€. Biochemistry, 2006, 45, 9615-9623.	2.5	19
20	Biotinylated Phosphoproteins from Kinaseâ€Catalyzed Biotinylation are Stable to Phosphatases: Implications for Phosphoproteomics. ChemBioChem, 2013, 14, 381-387.	2.6	19
21	The generality of kinase-catalyzed biotinylation. Bioorganic and Medicinal Chemistry, 2016, 24, 12-19.	3.0	18
22	A comparative study of ATP analogs for phosphorylation-dependent kinaseâ€“substrate crosslinking. Bioorganic and Medicinal Chemistry, 2014, 22, 1620-1625.	3.0	17
23	Development of an ELISA-Based HDAC Activity Assay for Characterization of Isoform-Selective Inhibitors. Journal of Biomolecular Screening, 2015, 20, 1277-1285.	2.6	17
24	K-CLASP: A Tool to Identify Phosphosite Specific Kinases and Interacting Proteins. ACS Chemical Biology, 2016, 11, 3251-3255.	3.4	17
25	A Cellâ€Permeable ATP Analogue for Kinaseâ€Catalyzed Biotinylation. Angewandte Chemie - International Edition, 2015, 54, 9618-9621.	13.8	16
26	The structural requirements of histone deacetylase inhibitors: SAHA analogs modified at the C5 position display dual HDAC6/8 selectivity. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3254-3258.	2.2	16
27	Histone deacetylase 1 phosphorylation at S421 and S423 is constitutive in vivo, but dispensable in vitro. Biochemical and Biophysical Research Communications, 2007, 361, 349-355.	2.1	15
28	Kâ€BILDS: A Kinase Substrate Discovery Tool. ChemBioChem, 2017, 18, 136-141.	2.6	14
29	Structural Analysis of ATP Analogues Compatible with Kinase-Catalyzed Labeling. Bioconjugate Chemistry, 2012, 23, 2386-2391.	3.6	13
30	Identification of Kinases and Interactors of p53 Using Kinase-Catalyzed Cross-Linking and Immunoprecipitation. Journal of the American Chemical Society, 2018, 140, 16299-16310.	13.7	12
31	Stereochemistry of 1,2-elimination reactions at the E2â€“E1cB interfaceâ€”tert-butyl 3-tosyloxybutanoate and its thioester. Organic and Biomolecular Chemistry, 2008, 6, 1641.	2.8	11
32	Identification of PP1â€“Gadd34 substrates involved in the unfolded protein response using K-BIPS, a method for phosphatase substrate identification. Molecular Omics, 2018, 14, 121-133.	2.8	11
33	Hepatitis B Virus X Protein Activates Transcription by Bypassing CREB Phosphorylation, Not by Stabilizing bZIPâ^'DNA Complexesâ€. Biochemistry, 2001, 40, 693-703.	2.5	10
34	Structural Requirements of Histone Deacetylase Inhibitors: SAHA Analogs Modified on the Hydroxamic Acid. Archiv Der Pharmazie, 2016, 349, 373-382.	4.1	9
35	Limited proteolysis of human histone deacetylase 1. BMC Biochemistry, 2006, 7, 22.	4.4	7
36	Differential profiles of HDAC1 substrates and associated proteins in breast cancer cells revealed by trapping. Molecular Omics, 2021, 17, 544-553.	2.8	7

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37	Kinaseâ€Catalyzed Biotinylation of Peptides, Proteins, and Lysates. Current Protocols in Chemical Biology, 2012, 4, 83-100.	1.7	6
38	EGFR phosphorylates HDAC1 to regulate its expression and anti-apoptotic function. Cell Death and Disease, 2021, 12, 469.	6.3	6
39	A new class of cytotoxic agents targets tubulin and disrupts microtubule dynamics. Bioorganic Chemistry, 2021, 116, 105297.	4.1	6
40	Chitosan-assisted permeabilization of ATPâ€“biotin for live cell kinase-catalyzed biotinylation. BioTechniques, 2018, 65, 143-148.	1.8	5
41	An Affinityâ€Based, Cysteineâ€Specific ATP Analog for Kinaseâ€Catalyzed Crosslinking. Angewandte Chemie - International Edition, 2021, 60, 9859-9862.	13.8	5
42	Grafting Miniature DNA Binding Proteins. Chemistry and Biology, 2004, 11, 3-4.	6.0	4
43	H-NS gives invading DNA the silent treatment. , 2006, 2, 400-401.		4
44	A histone deacetylase-dependent screen in yeast. Bioorganic and Medicinal Chemistry, 2010, 18, 7586-7592.	3.0	4
45	Kinase-catalyzed biotinylation of DNA. Bioorganic and Medicinal Chemistry, 2018, 26, 2331-2336.	3.0	3
46	Optimal Substrateâ€Trapping Mutants to Discover Substrates of HDAC1. ChemBioChem, 2019, 20, 1444-1449.	2.6	3
47	HDAC6 Substrate Discovery Using Proteomics-Based Substrate Trapping: HDAC6 Deacetylates PRMT5 to Influence Methyltransferase Activity. ACS Chemical Biology, 2021, 16, 1435-1444.	3.4	3
48	Kinase-Catalyzed Biotinylation to Map Cell Signaling Pathways: Application to Epidermal Growth Factor Signaling. Journal of Proteome Research, 2021, 20, 4852-4861.	3.7	3
49	Evidence that HDAC7 acts as an epigenetic â€œreaderâ€•of AR acetylation through NCoR-HDAC3 dissociation. Cell Chemical Biology, 2022, 29, 1162-1173.e5.	5.2	3
50	l â€Lactate Dehydrogenase Identified as a Protein Tyrosine Phosphatase 1B Substrate by Using Kâ€BIPS. ChemBioChem, 2021, 22, 186-192.	2.6	2
51	An Affinityâ€Based, Cysteineâ€Specific ATP Analog for Kinaseâ€Catalyzed Crosslinking. Angewandte Chemie, 2021, 133, 9947-9950.	2.0	2
52	In Search of Selectivity: Design, Synthesis, and Biological Evaluation of New Classes of HDAC Inhibitors. Proceedings (mdpi), 2019, 22, 63.	0.2	0