Daniel J Klein

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11300916/publications.pdf

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23	1,648	516710 16	642732 23
papers	citations	h-index	g-index

23	23	23	1624
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural Basis of glmS Ribozyme Activation by Glucosamine-6-Phosphate. Science, 2006, 313, 1752-1756.	12.6	357
2	The contribution of metal ions to the structural stability of the large ribosomal subunit. Rna, 2004, 10, 1366-1379.	3.5	275
3	Cocrystal structure of a class I preQ1 riboswitch reveals a pseudoknot recognizing an essential hypermodified nucleobase. Nature Structural and Molecular Biology, 2009, 16, 343-344.	8.2	160
4	Riboswitches: small-molecule recognition by gene regulatory RNAs. Current Opinion in Structural Biology, 2007, 17, 273-279.	5.7	140
5	Essential Role of an Active-Site Guanine in glmS Ribozyme Catalysis. Journal of the American Chemical Society, 2007, 129, 14858-14859.	13.7	87
6	Discovery of MK-8719, a Potent O-GlcNAcase Inhibitor as a Potential Treatment for Tauopathies. Journal of Medicinal Chemistry, 2019, 62, 10062-10097.	6.4	87
7	Requirement of Helix P2.2 and Nucleotide G1 for Positioning the Cleavage Site and Cofactor of the glmS Ribozyme. Journal of Molecular Biology, 2007, 373, 178-189.	4.2	82
8	Discovery of Selective RNA-Binding Small Molecules by Affinity-Selection Mass Spectrometry. ACS Chemical Biology, 2018, 13, 820-831.	3.4	78
9	Insights into activity and inhibition from the crystal structure of human O-GlcNAcase. Nature Chemical Biology, 2017, 13, 613-615.	8.0	75
10	Targeting RNA with Small Molecules: Identification of Selective, RNA-Binding Small Molecules Occupying Drug-Like Chemical Space. SLAS Discovery, 2020, 25, 384-396.	2.7	73
11	Structure of the Bacterial Deacetylase LpxC Bound to the Nucleotide Reaction Product Reveals Mechanisms of Oxyanion Stabilization and Proton Transfer. Journal of Biological Chemistry, 2013, 288, 34073-34080.	3.4	43
12	The glmS Ribozyme Tunes the Catalytically Critical pK_a of Its Coenzyme Glucosamine-6-phosphate. Journal of the American Chemical Society, 2011, 133, 14188-14191.	13.7	36
13	Discovery of Highly Selective and Potent HDAC3 Inhibitors Based on a 2-Substituted Benzamide Zinc Binding Group. ACS Medicinal Chemistry Letters, 2020, 11, 2476-2483.	2.8	27
14	Selective Class I HDAC Inhibitors Based on Aryl Ketone Zinc Binding Induce HIV-1 Protein for Clearance. ACS Medicinal Chemistry Letters, 2020, 11, 1476-1483.	2.8	21
15	Discovery of ethyl ketone-based HDACs 1, 2, and 3 selective inhibitors for HIV latency reactivation. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127197.	2.2	19
16	Augmenting Hit Identification by Virtual Screening Techniques in Small Molecule Drug Discovery. Journal of Chemical Information and Modeling, 2020, 60, 4144-4152.	5.4	18
17	Crystallization of the glmS Ribozyme-Riboswitch. Methods in Molecular Biology, 2009, 540, 129-139.	0.9	16
18	Development of a selective HDAC inhibitor aimed at reactivating the HIV latent reservoir. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127367.	2.2	14

#	Article	IF	Citations
19	Discovery of a Distinct Chemical and Mechanistic Class of Allosteric HIV-1 Integrase Inhibitors with Antiretroviral Activity. ACS Chemical Biology, 2017, 12, 2858-2865.	3.4	13
20	Redefining the Histone Deacetylase Inhibitor Pharmacophore: High Potency with No Zinc Cofactor Interaction. ACS Medicinal Chemistry Letters, 2021, 12, 540-547.	2.8	9
21	Discovery of Ethyl Ketone-Based Highly Selective HDACs 1, 2, 3 Inhibitors for HIV Latency Reactivation with Minimum Cellular Potency Serum Shift and Reduced hERG Activity. Journal of Medicinal Chemistry, 2021, 64, 4709-4729.	6.4	7
22	Discovery of macrocyclic HDACs 1, 2, and 3 selective inhibitors for HIV latency reactivation. Bioorganic and Medicinal Chemistry Letters, 2021, 47, 128168.	2.2	6
23	Identification of potent inhibitors of the sortilin-progranulin interaction. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127403.	2.2	5