

Alexandre Hofer

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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20
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887
citing authors

#	ARTICLE	IF	CITATIONS
1	Inositol Pyrophosphate Specificity of the SPX-Dependent Polyphosphate Polymerase VTC. ACS Chemical Biology, 2017, 12, 648-653.	3.4	80
2	Iterative Synthesis of Nucleoside Oligophosphates with Phosphoramidites. Angewandte Chemie - International Edition, 2014, 53, 286-289.	13.8	62
3	The Significance of the Bifunctional Kinase/Phosphatase Activities of Diphosphoinositol Pentakisphosphate Kinases (PPIP5Ks) for Coupling Inositol Pyrophosphate Cell Signaling to Cellular Phosphate Homeostasis. Journal of Biological Chemistry, 2017, 292, 4544-4555.	3.4	57
4	Detection, Structure and Function of Modified DNA Bases. Journal of the American Chemical Society, 2019, 141, 6420-6429.	13.7	55
5	Design, synthesis and pharmacological characterization of analogs of 2-aminoethyl diphenylborinate (2-APB), a known store-operated calcium channel blocker, for inhibition of TRPV6-mediated calcium transport. Bioorganic and Medicinal Chemistry, 2013, 21, 3202-3213.	3.0	54
6	<i>Arabidopsis</i> ITPK1 and ITPK2 Have an Evolutionarily Conserved Phytic Acid Kinase Activity. ACS Chemical Biology, 2019, 14, 2127-2133.	3.4	53
7	Substrate recognition and mechanism revealed by ligand-bound polyphosphate kinase 2 structures. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3350-3355.	7.1	52
8	Screening a Protein Array with Synthetic Biotinylated Inorganic Polyphosphate To Define the Human PolyP-ome. ACS Chemical Biology, 2018, 13, 1958-1963.	3.4	49
9	Phosphate esters and anhydrides – recent strategies targeting nature's favoured modifications. Organic and Biomolecular Chemistry, 2014, 12, 3526-3530.	2.8	46
10	A 1-phytase type III effector interferes with plant hormone signaling. Nature Communications, 2017, 8, 2159.	12.8	40
11	A Modular Synthesis of Modified Phosphoanhydrides. Chemistry - A European Journal, 2015, 21, 10116-10122.	3.3	36
12	Selective Chemical Functionalization at N6-Methyladenosine Residues in DNA Enabled by Visible-Light-Mediated Photoredox Catalysis. Journal of the American Chemical Society, 2020, 142, 21484-21492.	13.7	24
13	A Phosphoramidite Analogue of Cyclotriphosphate Enables Iterative Polyphosphorylations. Angewandte Chemie - International Edition, 2019, 58, 3928-3933.	13.8	23
14	Identifying Kinase Substrates via a Heavy ATP Kinase Assay and Quantitative Mass Spectrometry. Scientific Reports, 2016, 6, 28107.	3.3	22
15	The chemistry of branched condensed phosphates. Nature Communications, 2021, 12, 5368.	12.8	20
16	Chemoselective Dimerization of Phosphates. Organic Letters, 2016, 18, 3222-3225.	4.6	19
17	A Phosphoramidite Analogue of Cyclotriphosphate Enables Iterative Polyphosphorylations. Angewandte Chemie, 2019, 131, 3968-3973.	2.0	8
18	EVALUATION OF REGULATED DEFICIT IRRIGATION FOR APPLE TREES CV. 'GALA' BASED ON MIDDAY STEM WATER POTENTIAL AND SOIL MATRIX POTENTIAL. Acta Horticulturae, 2014, , 137-144.	0.2	3