William C K Pomerantz

List of Publications by Year
in descending order

61	1,341	331670 21	377865 34
papers	citations	h-index	g-index

69	69	69	1724
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Protein-Observed Fluorine NMR: A Bioorthogonal Approach for Small Molecule Discovery. Journal of Medicinal Chemistry, 2016, 59, 5158-5171.	6.4	144
2	Protein-observed 19F-NMR for fragment screening, affinity quantification and druggability assessment. Nature Protocols, 2016, 11, 1414-1427.	12.0	82
3	Dual Screening of BPTF and Brd4 Using Protein-Observed Fluorine NMR Uncovers New Bromodomain Probe Molecules. ACS Chemical Biology, 2015, 10, 2246-2256.	3.4	64
4	Molecular Basis for the N-Terminal Bromodomain-and-Extra-Terminal-Family Selectivity of a Dual Kinaseâ€“Bromodomain Inhibitor. Journal of Medicinal Chemistry, 2018, 61, 9316-9334.	6.4	56
5	Oxidation increases the strength of the methionine-aromatic interaction. Nature Chemical Biology, 2016, 12, 860-866.	8.0	53
6	Fragment Screening and Druggability Assessment for the CBP/p300 KIX Domain through Proteinâ€Observed ¹⁹Fâ€...NMR Spectroscopy. Angewandte Chemie - International Edition, 2015, 54, 3735-3739.	13.8	52
7	Endothelial p300 Promotes Portal Hypertension and Hepatic Fibrosis Through Câ€C Motif Chemokine Ligand 2â€“Mediated Angiocrine Signaling. Hepatology, 2021, 73, 2468-2483.	7.3	52
8	Quantifying Protein Concentrations Using Smartphone Colorimetry: A New Method for an Established Test. Journal of Chemical Education, 2017, 94, 941-945.	2.3	43
9	BPTF Maintains Chromatin Accessibility and the Self-Renewal Capacity of Mammary Gland Stem Cells. Stem Cell Reports, 2017, 9, 23-31.	4.8	43
10	SAR by (Protein-Observed) ¹⁹F NMR. Accounts of Chemical Research, 2019, 52, 3407-3418.	15.6	42
11	Protein-Observed Fluorine NMR Is a Complementary Ligand Discovery Method to ¹H CPMG Ligand-Observed NMR. ACS Chemical Biology, 2016, 11, 3154-3164.	3.4	40
12	Oxygen Sensing with Perfluorocarbon-Loaded Ultraporous Mesostructured Silica Nanoparticles. ACS Nano, 2017, 11, 5623-5632.	14.6	40
13	BET Bromodomain Inhibitors with One-Step Synthesis Discovered from Virtual Screen. Journal of Medicinal Chemistry, 2017, 60, 4805-4817.	6.4	39
14	Synthesis of Intrinsically Disordered Fluorinated Peptides for Modular Design of Highâ€Signal ¹⁹F MRI Agents. Angewandte Chemie - International Edition, 2017, 56, 6440-6444.	13.8	37
15	Throwing Away the Cookbook: Implementing Course-Based Undergraduate Research Experiences (CUREs) in Chemistry. ACS Symposium Series, 2017, , 33-63.	0.5	37
16	Super enhancer regulation of cytokine-induced chemokine production in alcoholic hepatitis. Nature Communications, 2021, 12, 4560.	12.8	37
17	¹⁹F NMR viewed through two different lenses: ligand-observed and protein-observed¹⁹F NMR applications for fragment-based drug discovery. RSC Chemical Biology, 2021, 2, 1312-1330.	4.1	35
18	Selective Nâ€Terminal BET Bromodomain Inhibitors by Targeting Nonâ€Conserved Residues and Structured Water Displacement**. Angewandte Chemie - International Edition, 2021, 60, 1220-1226.	13.8	27

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19	Evaluating the Advantages of Using 3D-Enriched Fragments for Targeting BET Bromodomains. ACS Medicinal Chemistry Letters, 2019, 10, 1648-1654.	2.8	26
20	Prediction of ¹⁹F NMR Chemical Shifts in Labeled Proteins: Computational Protocol and Case Study. Molecular Pharmaceutics, 2016, 13, 2376-2386.	4.6	23
21	Systematically Mitigating the p38Î± Activity of Triazole-based BET Inhibitors. ACS Medicinal Chemistry Letters, 2019, 10, 1296-1301.	2.8	22
22	Potent inhibitors of toxic alpha-synuclein identified via cellular time-resolved FRET biosensors. Npj Parkinson's Disease, 2021, 7, 52.	5.3	22
23	4-Methyl-1,2,3-Triazoles as N-Acetyl-Lysine Mimics Afford Potent BET Bromodomain Inhibitors with Improved Selectivity. Journal of Medicinal Chemistry, 2021, 64, 10497-10511.	6.4	22
24	A Structure-based Design Approach for Generating High Affinity BRD4 D1-Selective Chemical Probes. Journal of Medicinal Chemistry, 2022, 65, 2342-2360.	6.4	19
25	Tuning Sulfur Oxidation States on Thioetherâ€Bridged Peptide Macrocycles for Modulation of Protein Interactions. ChemBioChem, 2017, 18, 1836-1844.	2.6	18
26	Selectivity, ligand deconstruction, and cellular activity analysis of a BPTF bromodomain inhibitor. Organic and Biomolecular Chemistry, 2019, 17, 2020-2027.	2.8	18
27	Controlling Intramolecular Interactions in the Design of Selective, High-Affinity Ligands for the CREBBP Bromodomain. Journal of Medicinal Chemistry, 2021, 64, 10102-10123.	6.4	17
28	Specific Acetylation Patterns of H2A.Z Form Transient Interactions with the BPTF Bromodomain. Biochemistry, 2017, 56, 4607-4615.	2.5	16
29	Multidimensional Nanoparticle Characterization through Ion Mobility-Mass Spectrometry. Analytical Chemistry, 2020, 92, 2503-2510.	6.5	16
30	2-Fluorotyrosine is a valuable but understudied amino acid for protein-observed 19F NMR. Journal of Biomolecular NMR, 2020, 74, 61-69.	2.8	14
31	New inhibitors for the BPTF bromodomain enabled by structural biology and biophysical assay development. Organic and Biomolecular Chemistry, 2020, 18, 5174-5182.	2.8	14
32	New Design Rules for Developing Potent Cell-Active Inhibitors of the Nucleosome Remodeling Factor (NURF) via BPTF Bromodomain Inhibition. Journal of Medicinal Chemistry, 2021, 64, 13902-13917.	6.4	14
33	Paramagnetic relaxation enhancement for protein-observed ¹⁹F NMR as an enabling approach for efficient fragment screening. RSC Advances, 2016, 6, 95715-95721.	3.6	13
34	Efficient Synthesis of 1,4-Thiazepanones and 1,4-Thiazepanes as 3D Fragments for Screening Libraries. Organic Letters, 2020, 22, 3946-3950.	4.6	12
35	NMR Analyses of Acetylated H2A.Z Isoforms Identify Differential Binding Interactions with the Bromodomain of the NURF Nucleosome Remodeling Complex. Biochemistry, 2020, 59, 1871-1880.	2.5	11
36	Opportunity knocks for uncovering the new function of an understudied nucleosome remodeling complex member, the bromodomain PHD finger transcription factor, BPTF. Current Opinion in Chemical Biology, 2021, 63, 57-67.	6.1	11

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37	Combined Protein- and Ligand-Observed NMR Workflow to Screen Fragment Cocktails against Multiple Proteins: A Case Study Using Bromodomains. Molecules, 2020, 25, 3949.	3.8	10
38	Dual Labeling of the CBP/p300 KIX Domain for ¹⁹Fâ€…NMR Leads to Identification of a New Smallâ€Molecule Binding Site. ChemBioChem, 2018, 19, 963-969.	2.6	9
39	Autophagy-Dependent Sensitization of Triple-Negative Breast Cancer Models to Topoisomerase II Poisons by Inhibition of the Nucleosome Remodeling Factor. Molecular Cancer Research, 2021, 19, 1338-1349.	3.4	9
40	Tracking Fluorine during Aqueous Photolysis and Advanced UV Treatment of Fluorinated Phenols and Pharmaceuticals Using a Combined ¹⁹F-NMR, Chromatography, and Mass Spectrometry Approach. ACS Environmental Au, 2022, 2, 242-252.	7.0	9
41	Design, Synthesis, and Characterization of a Fluorescence Polarization Pan-BET Bromodomain Probe. ACS Medicinal Chemistry Letters, 2018, 9, 1223-1229.	2.8	8
42	Fragment-Based Ligand Discovery Using Protein-Observed ¹⁹F NMR: A Second Semester Organic Chemistry CURE Project. Journal of Chemical Education, 2021, 98, 1963-1973.	2.3	8
43	Soluble Methane Monooxygenase Component Interactions Monitored by ¹⁹F NMR. Biochemistry, 2021, 60, 1995-2010.	2.5	8
44	Siteâ€Specific 5â€Formyl Cytosine Mediated DNAâ€Histone Crossâ€Links: Synthesis and Polymerase Bypass by Human DNA Polymerase Î·. Angewandte Chemie - International Edition, 2021, 60, 26489-26494.	13.8	7
45	Synthesis of Intrinsically Disordered Fluorinated Peptides for Modular Design of Highâ€Signal ¹⁹F MRI Agents. Angewandte Chemie, 2017, 129, 6540-6544.	2.0	5
46	Quantifying the Selectivity of Proteinâ€“Protein and Small Molecule Interactions with Fluorinated Tandem Bromodomain Reader Proteins. ACS Chemical Biology, 2020, 15, 3038-3049.	3.4	4
47	Development of a Highly Responsive Organofluorine Temperature Sensor for ¹⁹F Magnetic Resonance Applications. Analytical Chemistry, 2022, 94, 3782-3790.	6.5	4
48	Alternative Mechanisms for DNA Engagement by BET Bromodomain-Containing Proteins. Biochemistry, 2022, 61, 1260-1272.	2.5	4
49	Applied Biophysics for Bromodomain Drug Discovery. Topics in Medicinal Chemistry, 2019, , 287-337.	0.8	3
50	Investigation of the Post-Synthetic Confinement of Fluorous Liquids Inside Mesoporous Silica Nanoparticles. Langmuir, 2021, 37, 5222-5231.	3.5	3
51	Meeting Proceedings ICBS2016â€”Translating the Power of Chemical Biology to Clinical Advances. ACS Chemical Biology, 2017, 12, 869-877.	3.4	2
52	Dihydropyridine Lactam Analogs Targeting BET Bromodomains. ChemMedChem, 2022, 17, e202100407.	3.2	1
53	In This Issue, Volume 10, Issue 1. ACS Medicinal Chemistry Letters, 2019, 10, 1-1.	2.8	0
54	In This Issue, Volume 10, Issue 10. ACS Medicinal Chemistry Letters, 2019, 10, 1359-1360.	2.8	0

#	Article	IF	Citations
55	In This Issue, Volume 11, Issue 10 (â€œMedicinal Chemistry: From Targets to Therapiesâ€•Special Issue). ACS Medicinal Chemistry Letters, 2020, 11, 1783-1784.	2.8	0
56	In this Issue, Volume 11, Issue 7. ACS Medicinal Chemistry Letters, 2020, 11, 1492-1493.	2.8	0
57	Selective Nâ€Terminal BET Bromodomain Inhibitors by Targeting Nonâ€Conserved Residues and Structured Water Displacement**. Angewandte Chemie, 2021, 133, 1240-1246.	2.0	0
58	In This Issue, Volume 12, Issue 9. ACS Medicinal Chemistry Letters, 2021, 12, 1357-1358.	2.8	0
59	An Innovation 10 Years in the Making: The Stories in the Pages of ACS Medicinal Chemistry Letters. ACS Medicinal Chemistry Letters, 2022, 13, 540-545.	2.8	0
60	In This Issue, Volume 13, Issue 4. ACS Medicinal Chemistry Letters, 2022, 13, 515-516.	2.8	0
61	Development of a single culture E. coli expression system for the enzymatic synthesis of fluorinated tyrosine and its incorporation into proteins. Journal of Fluorine Chemistry, 2022, 261-262, 110014.	1.7	0