# 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 | 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 |
| 2 | 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 |
| 3 | Tracking Fluorine during Aqueous Photolysis and Advanced UV Treatment of Fluorinated Phenols and Pharmaceuticals Using a Combined <sup>19</sup>F-NMR, Chromatography, and Mass Spectrometry Approach. ACS Environmental Au, 2022, 2, 242-252. | 7.0 | 9 |
| 4 | Development of a Highly Responsive Organofluorine Temperature Sensor for <sup>19</sup>F Magnetic Resonance Applications. Analytical Chemistry, 2022, 94, 3782-3790. | 6.5 | 4 |
| 5 | Dihydropyridine Lactam Analogs Targeting BET Bromodomains. ChemMedChem, 2022, 17, e202100407. | 3.2 | 1 |
| 6 | In This Issue, Volume 13, Issue 4. ACS Medicinal Chemistry Letters, 2022, 13, 515-516. | 2.8 | 0 |
| 7 | Alternative Mechanisms for DNA Engagement by BET Bromodomain-Containing Proteins. Biochemistry, 2022, 61, 1260-1272. | 2.5 | 4 |
| 8 | 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 |
| 9 | Endothelial p300 Promotes Portal Hypertension and Hepatic Fibrosis Through Câ€€ Motif Chemokine Ligand 2â€“Mediated Angiocrine Signaling. Hepatology, 2021, 73, 2468-2483. | 7.3 | 52 |
| 10 | Selective Nâ€Terminal BET Bromodomain Inhibitors by Targeting Nonâ€€onserved Residues and Structured Water Displacement**. Angewandte Chemie, 2021, 133, 1240-1246. | 2.0 | 0 |
| 11 | Selective Nâ€Terminal BET Bromodomain Inhibitors by Targeting Nonâ€€onserved Residues and Structured Water Displacement**. Angewandte Chemie - International Edition, 2021, 60, 1220-1226. | 13.8 | 27 |
| 12 | <sup>19</sup>F NMR viewed through two different lenses: ligand-observed and protein-observed<sup>19</sup>F NMR applications for fragment-based drug discovery. RSC Chemical Biology, 2021, 2, 1312-1330. | 4.1 | 35 |
| 13 | 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 |
| 14 | Investigation of the Post-Synthetic Confinement of Fluorous Liquids Inside Mesoporous Silica Nanoparticles. Langmuir, 2021, 37, 5222-5231. | 3.5 | 3 |
| 15 | Fragment-Based Ligand Discovery Using Protein-Observed <sup>19</sup>F NMR: A Second Semester Organic Chemistry CURE Project. Journal of Chemical Education, 2021, 98, 1963-1973. | 2.3 | 8 |
| 16 | Soluble Methane Monooxygenase Component Interactions Monitored by <sup>19</sup>F NMR. Biochemistry, 2021, 60, 1995-2010. | 2.5 | 8 |
| 17 | Potent inhibitors of toxic alpha-synuclein identified via cellular time-resolved FRET biosensors. Npj Parkinson's Disease, 2021, 7, 52. | 5.3 | 22 |
| 18 | Super enhancer regulation of cytokine-induced chemokine production in alcoholic hepatitis. Nature Communications, 2021, 12, 4560. | 12.8 | 37 |

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|---|---|---|---|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | In This Issue, Volume 12, Issue 9. ACS Medicinal Chemistry Letters, 2021, 12, 1357-1358. | 2.8 | 0 |
| 23 | 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 |
| 24 | 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 |
| 25 | Multidimensional Nanoparticle Characterization through Ion Mobility-Mass Spectrometry. Analytical Chemistry, 2020, 92, 2503-2510. | 6.5 | 16 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | In this Issue, Volume 11, Issue 7. ACS Medicinal Chemistry Letters, 2020, 11, 1492-1493. | 2.8 | 0 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | Systematically Mitigating the p38Î± Activity of Triazole-based BET Inhibitors. ACS Medicinal Chemistry Letters, 2019, 10, 1296-1301. | 2.8 | 22 |
| 35 | SAR by (Protein-Observed) <sup>19</sup>F NMR. Accounts of Chemical Research, 2019, 52, 3407-3418. | 15.6 | 42 |
| 36 | Selectivity, ligand deconstruction, and cellular activity analysis of a BPTF bromodomain inhibitor. Organic and Biomolecular Chemistry, 2019, 17, 2020-2027. | 2.8 | 18 |

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|---|---|---|---|
| 37 | In This Issue, Volume 10, Issue 1. ACS Medicinal Chemistry Letters, 2019, 10, 1-1. | 2.8 | 0 |
| 38 | In This Issue, Volume 10, Issue 10. ACS Medicinal Chemistry Letters, 2019, 10, 1359-1360. | 2.8 | 0 |
| 39 | Evaluating the Advantages of Using 3D-Enriched Fragments for Targeting BET Bromodomains. ACS Medicinal Chemistry Letters, 2019, 10, 1648-1654. | 2.8 | 26 |
| 40 | Applied Biophysics for Bromodomain Drug Discovery. Topics in Medicinal Chemistry, 2019, , 287-337. | 0.8 | 3 |
| 41 | Dual Labeling of the CBP/p300 KIX Domain for <sup>19</sup>Fâ€…NMR Leads to Identification of a New Smallâ€Molecule Binding Site. ChemBioChem, 2018, 19, 963-969. | 2.6 | 9 |
| 42 | 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 |
| 43 | Design, Synthesis, and Characterization of a Fluorescence Polarization Pan-BET Bromodomain Probe. ACS Medicinal Chemistry Letters, 2018, 9, 1223-1229. | 2.8 | 8 |
| 44 | Oxygen Sensing with Perfluorocarbon-Loaded Ultraporous Mesostructured Silica Nanoparticles. ACS Nano, 2017, 11, 5623-5632. | 14.6 | 40 |
| 45 | Quantifying Protein Concentrations Using Smartphone Colorimetry: A New Method for an Established Test. Journal of Chemical Education, 2017, 94, 941-945. | 2.3 | 43 |
| 46 | Synthesis of Intrinsically Disordered Fluorinated Peptides for Modular Design of Highâ€Signal <sup>19</sup>F MRI Agents. Angewandte Chemie - International Edition, 2017, 56, 6440-6444. | 13.8 | 37 |
| 47 | Synthesis of Intrinsically Disordered Fluorinated Peptides for Modular Design of Highâ€Signal <sup>19</sup>F MRI Agents. Angewandte Chemie, 2017, 129, 6540-6544. | 2.0 | 5 |
| 48 | Tuning Sulfur Oxidation States on Thioetherâ€Bridged Peptide Macrocycles for Modulation of Protein Interactions. ChemBioChem, 2017, 18, 1836-1844. | 2.6 | 18 |
| 49 | BET Bromodomain Inhibitors with One-Step Synthesis Discovered from Virtual Screen. Journal of Medicinal Chemistry, 2017, 60, 4805-4817. | 6.4 | 39 |
| 50 | BPTF Maintains Chromatin Accessibility and the Self-Renewal Capacity of Mammary Gland Stem Cells. Stem Cell Reports, 2017, 9, 23-31. | 4.8 | 43 |
| 51 | Meeting Proceedings ICBS2016â€”Translating the Power of Chemical Biology to Clinical Advances. ACS Chemical Biology, 2017, 12, 869-877. | 3.4 | 2 |
| 52 | Specific Acetylation Patterns of H2A.Z Form Transient Interactions with the BPTF Bromodomain. Biochemistry, 2017, 56, 4607-4615. | 2.5 | 16 |
| 53 | Throwing Away the Cookbook: Implementing Course-Based Undergraduate Research Experiences (CUREs) in Chemistry. ACS Symposium Series, 2017, , 33-63. | 0.5 | 37 |
| 54 | Oxidation increases the strength of the methionine-aromatic interaction. Nature Chemical Biology, 2016, 12, 860-866. | 8.0 | 53 |

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|---|---|---|---|
| 55 | Protein-Observed Fluorine NMR Is a Complementary Ligand Discovery Method to <sup>1</sup>H CPMG Ligand-Observed NMR. ACS Chemical Biology, 2016, 11, 3154-3164. | 3.4 | 40 |
| 56 | Protein-observed 19F-NMR for fragment screening, affinity quantification and druggability assessment. Nature Protocols, 2016, 11, 1414-1427. | 12.0 | 82 |
| 57 | Paramagnetic relaxation enhancement for protein-observed <sup>19</sup>F NMR as an enabling approach for efficient fragment screening. RSC Advances, 2016, 6, 95715-95721. | 3.6 | 13 |
| 58 | Prediction of <sup>19</sup>F NMR Chemical Shifts in Labeled Proteins: Computational Protocol and Case Study. Molecular Pharmaceutics, 2016, 13, 2376-2386. | 4.6 | 23 |
| 59 | Protein-Observed Fluorine NMR: A Bioorthogonal Approach for Small Molecule Discovery. Journal of Medicinal Chemistry, 2016, 59, 5158-5171. | 6.4 | 144 |
| 60 | Fragment Screening and Druggability Assessment for the CBP/p300 KIX Domain through Proteinâ€Observed <sup>19</sup>Fâ€...NMR Spectroscopy. Angewandte Chemie - International Edition, 2015, 54, 3735-3739. | 13.8 | 52 |
| 61 | 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 |