

Robert K McGinty

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

4,221
citations

361413

20
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

5229
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | DOT1L activity in leukemia cells requires interaction with ubiquitylated H2B that promotes productive nucleosome binding. <i>Cell Reports</i> , 2022, 38, 110369. | 6.4 | 11 |
| 2 | Multivalent DNA and nucleosome acidic patch interactions specify VRK1 mitotic localization and activity. <i>Nucleic Acids Research</i> , 2022, 50, 4355-4371. | 14.5 | 9 |
| 3 | <scp>Time Resolvedâ€Fluorescence Resonance Energy Transfer</scp> platform for quantitative nucleosome binding and footprinting. <i>Protein Science</i> , 2022, 31, . | 7.6 | 6 |
| 4 | The Câ€Terminus of VRK1 Governs Interactions with Nucleosomes to Influence Histone H3 Threonine 3 (H3T3) Phosphorylation. <i>FASEB Journal</i> , 2021, 35, . | 0.5 | 0 |
| 5 | A Peptidomimetic Ligand Targeting the Chromodomain of MPP8 Reveals HRP2â€™s Association with the HUSH Complex. <i>ACS Chemical Biology</i> , 2021, 16, 1721-1736. | 3.4 | 12 |
| 6 | Principles of nucleosome recognition by chromatin factors and enzymes. <i>Current Opinion in Structural Biology</i> , 2021, 71, 16-26. | 5.7 | 73 |
| 7 | Structural basis of nucleosome-dependent cGAS inhibition. <i>Science</i> , 2020, 370, 450-454. | 12.6 | 139 |
| 8 | Comprehensive nucleosome interactome screen establishes fundamental principles of nucleosome binding. <i>Nucleic Acids Research</i> , 2020, 48, 9415-9432. | 14.5 | 67 |
| 9 | Structural Basis for Recognition of Ubiquitylated Nucleosome by Dot1L Methyltransferase. <i>Cell Reports</i> , 2019, 26, 1681-1690.e5. | 6.4 | 99 |
| 10 | Crosstalk among Set1 complex subunits involved in H2B ubiquitylation-dependent H3K4 methylation. <i>Nucleic Acids Research</i> , 2018, 46, 11129-11143. | 14.5 | 19 |
| 11 | Recognition of the nucleosome by chromatin factors and enzymes. <i>Current Opinion in Structural Biology</i> , 2016, 37, 54-61. | 5.7 | 107 |
| 12 | Multivalent Interactions by the Set8 Histone Methyltransferase With Its Nucleosome Substrate. <i>Journal of Molecular Biology</i> , 2016, 428, 1531-1543. | 4.2 | 29 |
| 13 | Nucleosome Structure and Function. <i>Chemical Reviews</i> , 2015, 115, 2255-2273. | 47.7 | 356 |
| 14 | Crystal structure of the PRC1 ubiquitylation module bound to the nucleosome. <i>Nature</i> , 2014, 514, 591-596. | 27.8 | 264 |
| 15 | SET1 and p300 Act Synergistically, through Coupled Histone Modifications, in Transcriptional Activation by p53. <i>Cell</i> , 2013, 154, 297-310. | 28.9 | 147 |
| 16 | The n-SET Domain of Set1 Regulates H2B Ubiquitylation-Dependent H3K4 Methylation. <i>Molecular Cell</i> , 2013, 49, 1121-1133. | 9.7 | 119 |
| 17 | Histone Monoubiquitylation Position Determines Specificity and Direction of Enzymatic Cross-talk with Histone Methyltransferases Dot1L and PRC2. <i>Journal of Biological Chemistry</i> , 2012, 287, 23718-23725. | 3.4 | 32 |
| 18 | Recognition of a Mononucleosomal Histone Modification Pattern by BPTF via Multivalent Interactions. <i>Cell</i> , 2011, 145, 692-706. | 28.9 | 300 |

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|----|--|------|-----------|
| 19 | Histone H2B ubiquitylation disrupts local and higher-order chromatin compaction. <i>Nature Chemical Biology</i> , 2011, 7, 113-119. | 8.0 | 392 |
| 20 | Histone H2A deubiquitinase activity of the Polycomb repressive complex PR-DUB. <i>Nature</i> , 2010, 465, 243-247. | 27.8 | 674 |
| 21 | Disulfide-directed histone ubiquitylation reveals plasticity in hDot1L activation. <i>Nature Chemical Biology</i> , 2010, 6, 267-269. | 8.0 | 227 |
| 22 | Chapter 11 Semisynthesis of Ubiquitylated Proteins. <i>Methods in Enzymology</i> , 2009, 462, 225-243. | 1.0 | 24 |
| 23 | A Semisynthetic Strategy to Generate Phosphorylated and Acetylated Histone H2B. <i>ChemBioChem</i> , 2009, 10, 2182-2187. | 2.6 | 59 |
| 24 | Structure-Activity Analysis of Semisynthetic Nucleosomes: Mechanistic Insights into the Stimulation of Dot1L by Ubiquitylated Histone H2B. <i>ACS Chemical Biology</i> , 2009, 4, 958-968. | 3.4 | 109 |
| 25 | RAD6-Mediated Transcription-Coupled H2B Ubiquitylation Directly Stimulates H3K4 Methylation in Human Cells. <i>Cell</i> , 2009, 137, 459-471. | 28.9 | 453 |
| 26 | Chemically ubiquitylated histone H2B stimulates hDot1L-mediated intranucleosomal methylation. <i>Nature</i> , 2008, 453, 812-816. | 27.8 | 494 |