# RobertÂ K McGinty

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2222969/publications.pdf

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| 26 | 4,221 | 361413 | 580821 |
|---|---|---|---|
| papers | citations | 20 h-index | 25 g-index |

| 26 | 26 | 26 | 5229 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Histone H2A deubiquitinase activity of the Polycomb repressive complex PR-DUB. Nature, 2010, 465, 243-247. | 27.8 | 674 |
| 2 | Chemically ubiquitylated histone H2B stimulates hDot1L-mediated intranucleosomal methylation. Nature, 2008, 453, 812-816. | 27.8 | 494 |
| 3 | RAD6-Mediated Transcription-Coupled H2B Ubiquitylation Directly Stimulates H3K4 Methylation in Human Cells. Cell, 2009, 137, 459-471. | 28.9 | 453 |
| 4 | Histone H2B ubiquitylation disrupts local and higher-order chromatin compaction. Nature Chemical Biology, 2011, 7, 113-119. | 8.0 | 392 |
| 5 | Nucleosome Structure and Function. Chemical Reviews, 2015, 115, 2255-2273. | 47.7 | 356 |
| 6 | Recognition of a Mononucleosomal Histone Modification Pattern by BPTF via Multivalent Interactions. Cell, 2011, 145, 692-706. | 28.9 | 300 |
| 7 | Crystal structure of the PRC1 ubiquitylation module bound to the nucleosome. Nature, 2014, 514, 591-596. | 27.8 | 264 |
| 8 | Disulfide-directed histone ubiquitylation reveals plasticity in hDot1L activation. Nature Chemical Biology, 2010, 6, 267-269. | 8.0 | 227 |
| 9 | SET1 and p300 Act Synergistically, through Coupled Histone Modifications, in Transcriptional Activation by p53. Cell, 2013, 154, 297-310. | 28.9 | 147 |
| 10 | Structural basis of nucleosome-dependent cGAS inhibition. Science, 2020, 370, 450-454. | 12.6 | 139 |
| 11 | The n-SET Domain of Set1 Regulates H2B Ubiquitylation-Dependent H3K4 Methylation. Molecular Cell, 2013, 49, 1121-1133. | 9.7 | 119 |
| 12 | Structureâ€“Activity Analysis of Semisynthetic Nucleosomes: Mechanistic Insights into the Stimulation of Dot1L by Ubiquitylated Histone H2B. ACS Chemical Biology, 2009, 4, 958-968. | 3.4 | 109 |
| 13 | Recognition of the nucleosome by chromatin factors and enzymes. Current Opinion in Structural Biology, 2016, 37, 54-61. | 5.7 | 107 |
| 14 | Structural Basis for Recognition of Ubiquitylated Nucleosome by Dot1L Methyltransferase. Cell Reports, 2019, 26, 1681-1690.e5. | 6.4 | 99 |
| 15 | Principles of nucleosome recognition by chromatin factors and enzymes. Current Opinion in Structural Biology, 2021, 71, 16-26. | 5.7 | 73 |
| 16 | Comprehensive nucleosome interactome screen establishes fundamental principles of nucleosome binding. Nucleic Acids Research, 2020, 48, 9415-9432. | 14.5 | 67 |
| 17 | A Semisynthetic Strategy to Generate Phosphorylated and Acetylated Histone H2B. ChemBioChem, 2009, 10, 2182-2187. | 2.6 | 59 |
| 18 | Histone Monoubiquitylation Position Determines Specificity and Direction of Enzymatic Cross-talk with Histone Methyltransferases Dot1L and PRC2. Journal of Biological Chemistry, 2012, 287, 23718-23725. | 3.4 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Multivalent Interactions by the Set8 Histone Methyltransferase With Its Nucleosome Substrate. Journal of Molecular Biology, 2016, 428, 1531-1543. | 4.2 | 29 |
| 20 | Chapter 11 Semisynthesis of Ubiquitylated Proteins. Methods in Enzymology, 2009, 462, 225-243. | 1.0 | 24 |
| 21 | Crosstalk among Set1 complex subunits involved in H2B ubiquitylation-dependent H3K4 methylation. Nucleic Acids Research, 2018, 46, 11129-11143. | 14.5 | 19 |
| 22 | A Peptidomimetic Ligand Targeting the Chromodomain of MPP8 Reveals HRP2â€™s Association with the HUSH Complex. ACS Chemical Biology, 2021, 16, 1721-1736. | 3.4 | 12 |
| 23 | DOT1L activity in leukemia cells requires interaction with ubiquitylated H2B that promotes productive nucleosome binding. Cell Reports, 2022, 38, 110369. | 6.4 | 11 |
| 24 | Multivalent DNA and nucleosome acidic patch interactions specify VRK1 mitotic localization and activity. Nucleic Acids Research, 2022, 50, 4355-4371. | 14.5 | 9 |
| 25 | <scp>Time Resolvedâ€Fluorescence Resonance Energy Transfer</scp> platform for quantitative nucleosome binding and footprinting. Protein Science, 2022, 31, . | 7.6 | 6 |
| 26 | The Câ€terminus of VRK1 Governs Interactions with Nucleosomes to Influence Histone H3 Threonine 3 (H3T3) Phosphorylation. FASEB Journal, 2021, 35, . | 0.5 | 0 |