

Robert M Vaughan

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

519
citations

933447

10
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

973
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A DNA methylation reader complex that enhances gene transcription. <i>Science</i> , 2018, 362, 1182-1186. | 12.6 | 181 |
| 2 | Examining the Roles of H3K4 Methylation States with Systematically Characterized Antibodies. <i>Molecular Cell</i> , 2018, 72, 162-177.e7. | 9.7 | 90 |
| 3 | Chromatin Regulation through Ubiquitin and Ubiquitin-like Histone Modifications. <i>Trends in Biochemical Sciences</i> , 2021, 46, 258-269. | 7.5 | 56 |
| 4 | Chromatin structure and its chemical modifications regulate the ubiquitin ligase substrate selectivity of UHRF1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8775-8780. | 7.1 | 39 |
| 5 | Comparative biochemical analysis of UHRF proteins reveals molecular mechanisms that uncouple UHRF2 from DNA methylation maintenance. <i>Nucleic Acids Research</i> , 2018, 46, 4405-4416. | 14.5 | 25 |
| 6 | A functional proteomics platform to reveal the sequence determinants of lysine methyltransferase substrate selectivity. <i>Science Advances</i> , 2018, 4, eaav2623. | 10.3 | 25 |
| 7 | A fluorescent carbapenem for structure function studies of penicillin-binding proteins, β -lactamases, and β -lactam sensors. <i>Analytical Biochemistry</i> , 2014, 463, 70-74. | 2.4 | 17 |
| 8 | A Read/Write Mechanism Connects p300 Bromodomain Function to H2A.Z Acetylation. <i>iScience</i> , 2019, 21, 773-788. | 4.1 | 16 |
| 9 | A trivalent nucleosome interaction by PHIP/BRWD2 is disrupted in neurodevelopmental disorders and cancer. <i>Genes and Development</i> , 2021, 35, 1642-1656. | 5.9 | 16 |
| 10 | Substrate Specificity Profiling of Histone-Modifying Enzymes by Peptide Microarray. <i>Methods in Enzymology</i> , 2016, 574, 31-52. | 1.0 | 15 |
| 11 | A physical basis for quantitative ChIP-sequencing. <i>Journal of Biological Chemistry</i> , 2020, 295, 15826-15837. | 3.4 | 14 |
| 12 | The finger loop of the SRA domain in the E3 ligase UHRF1 is a regulator of ubiquitin targeting and is required for the maintenance of DNA methylation. <i>Journal of Biological Chemistry</i> , 2019, 294, 15724-15732. | 3.4 | 12 |
| 13 | The histone and non-histone methyllysine reader activities of the UHRF1 tandem Tudor domain are dispensable for the propagation of aberrant DNA methylation patterning in cancer cells. <i>Epigenetics and Chromatin</i> , 2020, 13, 44. | 3.9 | 10 |
| 14 | A Degenerate Peptide Library Approach to Reveal Sequence Determinants of Methyllysine-Driven Protein Interactions. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 241. | 3.7 | 3 |