

Kabirul Islam

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

631
citations

759233

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24
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24
times ranked

670
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Profiling Genome-Wide Chromatin Methylation with Engineered Posttranslation Apparatus within Living Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 1048-1056. | 13.7 | 115 |
| 2 | Expanding Cofactor Repertoire of Protein Lysine Methyltransferase for Substrate Labeling. <i>ACS Chemical Biology</i> , 2011, 6, 679-684. | 3.4 | 103 |
| 3 | Bioorthogonal Profiling of Protein Methylation Using Azido Derivative of <i>S</i> -Adenosyl-methionine. <i>Journal of the American Chemical Society</i> , 2012, 134, 5909-5915. | 13.7 | 92 |
| 4 | The Bump-and-Hole Tactic: Expanding the Scope of Chemical Genetics. <i>Cell Chemical Biology</i> , 2018, 25, 1171-1184. | 5.2 | 66 |
| 5 | Defining efficient enzyme-cofactor pairs for bioorthogonal profiling of protein methylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16778-16783. | 7.1 | 65 |
| 6 | Site-specific azide-acetyllysine photochemistry on epigenetic readers for interactome profiling. <i>Chemical Science</i> , 2017, 8, 4250-4256. | 7.4 | 30 |
| 7 | Allele-Specific Chemical Genetics: Concept, Strategies, and Applications. <i>ACS Chemical Biology</i> , 2015, 10, 343-363. | 3.4 | 27 |
| 8 | Specific Acetylation Patterns of H2A.Z Form Transient Interactions with the BPTF Bromodomain. <i>Biochemistry</i> , 2017, 56, 4607-4615. | 2.5 | 16 |
| 9 | Probing Ca ²⁺ -induced conformational change of calmodulin with gold nanoparticle-decorated single-walled carbon nanotube field-effect transistors. <i>Nanoscale</i> , 2019, 11, 13397-13406. | 5.6 | 16 |
| 10 | Engineering Biological C-H Functionalization Leads to Allele-Specific Regulation of Histone Demethylases. <i>Journal of the American Chemical Society</i> , 2016, 138, 13505-13508. | 13.7 | 15 |
| 11 | A rapid mass spectrometric method for the measurement of catalytic activity of ten-eleven translocation enzymes. <i>Analytical Biochemistry</i> , 2017, 534, 28-35. | 2.4 | 14 |
| 12 | Complementary Steric Engineering at the Protein-Ligand Interface for Analogue-Sensitive TET Oxygenases. <i>Journal of the American Chemical Society</i> , 2018, 140, 10263-10269. | 13.7 | 14 |
| 13 | Engineering Methyllysine Writers and Readers for Allele-Specific Regulation of Protein-Protein Interactions. <i>Journal of the American Chemical Society</i> , 2019, 141, 15466-15470. | 13.7 | 12 |
| 14 | Site- and degree-specific C-H oxidation on 5-methylcytosine homologues for probing active DNA demethylation. <i>Chemical Science</i> , 2019, 10, 10550-10555. | 7.4 | 11 |
| 15 | Engineering bromodomains with a photoactive amino acid by engaging ³ H-Privileged tRNA synthetases. <i>Chemical Communications</i> , 2020, 56, 3641-3644. | 4.1 | 10 |
| 16 | Engineering a methyllysine reader with photoactive amino acid in mammalian cells. <i>Chemical Communications</i> , 2020, 56, 12210-12213. | 4.1 | 9 |
| 17 | Catalytic Space Engineering as a Strategy to Activate C-H Oxidation on 5-Methylcytosine in Mammalian Genome. <i>Journal of the American Chemical Society</i> , 2021, 143, 11891-11896. | 13.7 | 5 |
| 18 | Synthesis of 5-Dihydroxyboryluridine Phosphoramidite and Its Site-Specific Incorporation into Oligonucleotides for Probing Thymine DNA Glycosylase. <i>Organic Letters</i> , 2019, 21, 6614-6618. | 4.6 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Allele-Specific Chemical Rescue of Histone Demethylases Using Abiotic Cofactors. ACS Chemical Biology, 2022, 17, 3321-3330. | 3.4 | 3 |
| 20 | Hydrophobic cavity-directed azide-acetyllysine photochemistry for profiling non-histone interacting partners of bromodomain protein 1. RSC Chemical Biology, 2022, 3, 1061-1068. | 4.1 | 3 |
| 21 | Allele-Specific Inhibition of Histone Demethylases. ChemBioChem, 2019, 20, 1133-1138. | 2.6 | 2 |
| 22 | Editorial overview: Enabling chemical biology approaches for epigenetic research. Current Opinion in Chemical Biology, 2021, 63, A1-A3. | 6.1 | 0 |
| 23 | Chemically Altered Epigenetic Landscape: Transcriptional Reprogramming at Precise Space and Time. FASEB Journal, 2018, 32, 523.10. | 0.5 | 0 |