# Bei Yang

List of Publications by Year
in descending order



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|---|---|---|---|
| 27 papers | 1,953 citations | 393982 19 h-index | 525886 27 g-index |
| 30 all docs | 30 docs citations | 30 times ranked | 3062 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A pan-coronavirus fusion inhibitor targeting the HR1 domain of human coronavirus spike. Science Advances, 2019, 5, eaav4580. | 4.7 | 393 |
| 2 | Base editing with a Cpf1â€“cytidine deaminase fusion. Nature Biotechnology, 2018, 36, 324-327. | 9.4 | 333 |
| 3 | Efficient base editing in methylated regions with a human APOBEC3A-Cas9 fusion. Nature Biotechnology, 2018, 36, 946-949. | 9.4 | 190 |
| 4 | Molecular mechanisms of â€œoff-on switchâ€•of activities of human IDH1 by tumor-associated mutation R132H. Cell Research, 2010, 20, 1188-1200. | 5.7 | 103 |
| 5 | Enhanced base editing by co-expression of free uracil DNA glycosylase inhibitor. Cell Research, 2017, 27, 1289-1292. | 5.7 | 99 |
| 6 | Vps4 disassembles an ESCRT-III filament by global unfolding and processive translocation. Nature Structural and Molecular Biology, 2015, 22, 492-498. | 3.6 | 88 |
| 7 | Discovery of SIAIS178 as an Effective BCR-ABL Degrader by Recruiting Von Hippelâ€“Lindau (VHL) E3 Ubiquitin Ligase. Journal of Medicinal Chemistry, 2019, 62, 9281-9298. | 2.9 | 79 |
| 8 | Cas12a Base Editors Induce Efficient and Specific Editing with Low DNA Damage Response. Cell Reports, 2020, 31, 107723. | 2.9 | 62 |
| 9 | Structure of human tryptophanyl-tRNA synthetase in complex with tRNATrp reveals the molecular basis of tRNA recognition and specificity. Nucleic Acids Research, 2006, 34, 3246-3258. | 6.5 | 60 |
| 10 | Molecular Basis of the Acceleration of the GDP-GTP Exchange of Human Ras Homolog Enriched in Brain by Human Translationally Controlled Tumor Protein. Journal of Biological Chemistry, 2009, 284, 23754-23764. | 1.6 | 60 |
| 11 | APOBEC: From mutator to editor. Journal of Genetics and Genomics, 2017, 44, 423-437. | 1.7 | 54 |
| 12 | Highly efficient prime editing by introducing same-sense mutations in pegRNA or stabilizing its structure. Nature Communications, 2022, 13, 1669. | 5.8 | 52 |
| 13 | Eliminating base-editor-induced genome-wide and transcriptome-wide off-target mutations. Nature Cell Biology, 2021, 23, 552-563. | 4.6 | 50 |
| 14 | Selection of an ASIC1a-blocking combinatorial antibody that protects cells from ischemic death. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7469-E7477. | 3.3 | 48 |
| 15 | Development and Application of Base Editors. CRISPR Journal, 2019, 2, 91-104. | 1.4 | 46 |
| 16 | APOBEC3 induces mutations during repair of CRISPRâ€“Cas9-generated DNA breaks. Nature Structural and Molecular Biology, 2018, 25, 45-52. | 3.6 | 42 |
| 17 | Catalytic mechanism of the tryptophan activation reaction revealed by crystal structures of human tryptophanyl-tRNA synthetase in different enzymatic states. Nucleic Acids Research, 2008, 36, 1288-1299. | 6.5 | 34 |
| 18 | Crl activates transcription by stabilizing active conformation of the master stress transcription initiation factor. ELife, 2019, 8, . | 2.8 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Comparison of cytosine base editors and development of the BEable-GPS database for targeting pathogenic SNVs. Genome Biology, 2019, 20, 218. | 3.8 | 23 |
| 20 | One Prime for All Editing. Cell, 2019, 179, 1448-1450. | 13.5 | 23 |
| 21 | Allosteric inhibition of CRISPR-Cas9 by bacteriophage-derived peptides. Genome Biology, 2020, 21, 51. | 3.8 | 21 |
| 22 | Crystal structure of the post-fusion core of theHuman coronavirus 229Espike protein at 1.86â€…Ã… resolution. Acta Crystallographica Section D: Structural Biology, 2018, 74, 841-851. | 1.1 | 18 |
| 23 | Crystal structure of Pyrococcus horikoshii tryptophanyl-tRNA synthetase and structure-based phylogenetic analysis suggest an archaeal origin of tryptophanyl-tRNA synthetase. Nucleic Acids Research, 2010, 38, 1401-1412. | 6.5 | 13 |
| 24 | To BE or not to BE, that is the question. Nature Biotechnology, 2019, 37, 520-522. | 9.4 | 11 |
| 25 | Selection of a picomolar antibody that targets CXCR2-mediated neutrophil activation and alleviates EAE symptoms. Nature Communications, 2021, 12, 2547. | 5.8 | 11 |
| 26 | Inhibitory antibodies identify unique sites of therapeutic vulnerability in rhinovirus and other enteroviruses. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13499-13508. | 3.3 | 7 |
| 27 | Making Sense of Vps4. Journal of Molecular Biology, 2014, 426, 503-506. | 2.0 | 4 |