# Bhushan Nagar

List of Publications by Year
in descending order



| 33 | 4,507 | 430874 18 | 434195 31 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 35 | 35 | 35 | 5174 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Targeting <scp>DEAD</scp>â€box <scp>RNA</scp> helicases: The emergence of molecular staples. Wiley Interdisciplinary Reviews RNA, 2023, 14, e1738. | 6.4 | 8 |
| 2 | Structure of the murine lysosomal multienzyme complex core. Science Advances, 2021, 7, . | 10.3 | 7 |
| 3 | Functional mimicry revealed by the crystal structure of an eIF4A:RNA complex bound to the interfacial inhibitor, desmethyl pateamine A. Cell Chemical Biology, 2021, 28, 825-834.e6. | 5.2 | 25 |
| 4 | The mTORC1/S6K/PDCD4/eIF4A Axis Determines Outcome of Mitotic Arrest. Cell Reports, 2020, 33, 108230. | 6.4 | 17 |
| 5 | Crystal structure of the nucleotideâ€metabolizing enzyme NTPDase4. Protein Science, 2020, 29, 2054-2061. | 7.6 | 7 |
| 6 | Crystal Structure of the Mannose-6-Phosphate Uncovering Enzyme. Structure, 2020, 28, 426-436.e3. | 3.3 | 6 |
| 7 | Molecular models should not be published without the corresponding atomic coordinates. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11099-11100. | 7.1 | 4 |
| 8 | Identification of Allosteric Inhibitors against Active Caspase-6. Scientific Reports, 2019, 9, 5504. | 3.3 | 15 |
| 9 | The structure of mammalian Î²â€mannosidase provides insight into Î²â€mannosidosis and nystagmus. FEBS Journal, 2019, 286, 1319-1331. | 4.7 | 14 |
| 10 | Molecular Mechanism of Inhibition of Acid Ceramidase by Carmofur. Journal of Medicinal Chemistry, 2019, 62, 987-992. | 6.4 | 46 |
| 11 | Crystal structure of the mammalian lipopolysaccharide detoxifier. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E896-E905. | 7.1 | 24 |
| 12 | Structural basis for the activation of acid ceramidase. Nature Communications, 2018, 9, 1621. | 12.8 | 72 |
| 13 | Double-Stranded Biotinylated Donor Enhances Homology-Directed Repair in Combination with Cas9 Monoavidin in Mammalian Cells. CRISPR Journal, 2018, 1, 414-430. | 2.9 | 12 |
| 14 | Molecular mechanism of activation of the immunoregulatory amidase NAAA. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10032-E10040. | 7.1 | 36 |
| 15 | Structural Analysis of the Bacterial Effector AvrA Identifies a Critical Helix Involved in Substrate Recognition. Biochemistry, 2018, 57, 4985-4996. | 2.5 | 12 |
| 16 | Crystal structure of saposin D in an open conformation. Journal of Structural Biology, 2018, 204, 145-150. | 2.8 | 10 |
| 17 | Structural basis for nucleotide recognition by the ectoenzyme <scp>CD</scp>203c. FEBS Journal, 2018, 285, 2481-2494. | 4.7 | 30 |
| 18 | Structure of human IFIT1 with capped RNA reveals adaptable mRNA binding and mechanisms for sensing N1 and N2 ribose 2â€²-O methylations. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2106-E2115. | 7.1 | 86 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Structural and Functional Characterization of Plant ARGONAUTE MID Domains. Methods in Molecular Biology, 2017, 1640, 227-239. | 0.9 | 0 |
| 20 | Crystal structure of the human alkaline sphingomyelinase provides insights into substrate recognition. Journal of Biological Chemistry, 2017, 292, 7087-7094. | 3.4 | 30 |
| 21 | A key tyrosine substitution restricts nucleotide hydrolysis by the ectoenzyme <scp>NPP</scp>5. FEBS Journal, 2017, 284, 3718-3726. | 4.7 | 25 |
| 22 | Crystal structure of mammalian acid sphingomyelinase. Nature Communications, 2016, 7, 12196. | 12.8 | 76 |
| 23 | Crystal Structure of the Acid Sphingomyelinase-like Phosphodiesterase SMPDL3B Provides Insights into Determinants of Substrate Specificity. Journal of Biological Chemistry, 2016, 291, 24054-24064. | 3.4 | 20 |
| 24 | Structural Basis for Nucleotide Hydrolysis by the Acid Sphingomyelinase-like Phosphodiesterase SMPDL3A. Journal of Biological Chemistry, 2016, 291, 6376-6385. | 3.4 | 13 |
| 25 | DAP5 associates with eIF2Î² and eIF4AI to promote Internal Ribosome Entry Site driven translation. Nucleic Acids Research, 2015, 43, 3764-3775. | 14.5 | 81 |
| 26 | Structural basis for viral 5â€²-PPP-RNA recognition by human IFIT proteins. Nature, 2013, 494, 60-64. | 27.8 | 193 |
| 27 | Structural biology in the battle against BCR-Abl. Expert Opinion on Therapeutic Patents, 2008, 18, 975-988. | 5.0 | 0 |
| 28 | c-Abl Tyrosine Kinase and Inhibition by the Cancer Drug Imatinib (Gleevec/STI-571). Journal of Nutrition, 2007, 137, 1518S-1523S. | 2.9 | 44 |
| 29 | Organization of the SH3-SH2 Unit in Active and Inactive Forms of the c-Abl Tyrosine Kinase. Molecular Cell, 2006, 21, 787-798. | 9.7 | 192 |
| 30 | A Myristoyl/Phosphotyrosine Switch Regulates c-Abl. Cell, 2003, 112, 845-857. | 28.9 | 404 |
| 31 | Structural Basis for the Autoinhibition of c-Abl Tyrosine Kinase. Cell, 2003, 112, 859-871. | 28.9 | 762 |
| 32 | Multiple BCR-ABL kinase domain mutations confer polyclonal resistance to the tyrosine kinase inhibitor imatinib (STI571) in chronic phase and blast crisis chronic myeloid leukemia. Cancer Cell, 2002, 2, 117-125. | 16.8 | 1,548 |
| 33 | Crystal structures of the kinase domain of c-Abl in complex with the small molecule inhibitors PD173955 and imatinib (STI-571). Cancer Research, 2002, 62, 4236-43. | 0.9 | 684 |