

Somnath Mukherjee

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

688
citations

840119

11
h-index

1058022

14
g-index

17
all docs

17
docs citations

17
times ranked

1031
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Architecture of the cytoplasmic face of the nuclear pore. <i>Science</i> , 2022, 376, . | 6.0 | 65 |
| 2 | Structure of the rhodopsin–rhodopsin kinase complex defines the rules of engagement between G protein–coupled receptors (GPCRs) and GPCR kinases. <i>FASEB Journal</i> , 2021, 35, . | 0.2 | 1 |
| 3 | Structure of an AMPK complex in an inactive, ATP-bound state. <i>Science</i> , 2021, 373, 413-419. | 6.0 | 42 |
| 4 | Structures of rhodopsin in complex with G-protein-coupled receptor kinase 1. <i>Nature</i> , 2021, 595, 600-605. | 13.7 | 87 |
| 5 | Development of a universal nanobody-binding Fab module for fiducial-assisted cryo-EM studies of membrane proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 40 |
| 6 | Synthetic antibodies against BRIL as universal fiducial marks for single-particle cryoEM structure determination of membrane proteins. <i>Nature Communications</i> , 2020, 11, 1598. | 5.8 | 57 |
| 7 | Structure of human Frizzled5 by fiducial-assisted cryo-EM supports a heterodimeric mechanism of canonical Wnt signaling. <i>ELife</i> , 2020, 9, . | 2.8 | 68 |
| 8 | Development of “Plug and Play” Fiducial Marks for Structural Studies of GPCR Signaling Complexes by Single-Particle Cryo-EM. <i>Structure</i> , 2019, 27, 1862-1874.e7. | 1.6 | 19 |
| 9 | Reply to Kang and Brooks: Comment on the calculations in protein thermodynamics. <i>Journal of Biological Chemistry</i> , 2018, 293, 5063. | 1.6 | 0 |
| 10 | Engineered synthetic antibodies as probes to quantify the energetic contributions of ligand binding to conformational changes in proteins. <i>Journal of Biological Chemistry</i> , 2018, 293, 2815-2828. | 1.6 | 26 |
| 11 | Cryo-EM structure of human rhodopsin bound to an inhibitory G protein. <i>Nature</i> , 2018, 558, 553-558. | 13.7 | 230 |
| 12 | Targeted rescue of cancer-associated IDH1 mutant activity using an engineered synthetic antibody. <i>Scientific Reports</i> , 2017, 7, 556. | 1.6 | 4 |
| 13 | Engineering synthetic antibody binders for allosteric inhibition of prolactin receptor signaling. <i>Cell Communication and Signaling</i> , 2015, 13, 1. | 2.7 | 28 |
| 14 | A New Versatile Immobilization Tag Based on the Ultra High Affinity and Reversibility of the Calmodulin–Calmodulin Binding Peptide Interaction. <i>Journal of Molecular Biology</i> , 2015, 427, 2707-2725. | 2.0 | 18 |