

Sahil Gulati

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

391
citations

12
h-index

19
g-index

31
ext. papers

531
ext. citations

5.4
avg, IF

3.54
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 30 | Targeting G protein-coupled receptor signaling at the G protein level with a selective nanobody inhibitor. <i>Nature Communications</i> , 2018 , 9, 1996 | 17.4 | 45 |
| 29 | Cryo-EM Visualization of Lipid and Polymer-Stabilized Perfluorocarbon Gas Nanobubbles - A Step Towards Nanobubble Mediated Drug Delivery. <i>Scientific Reports</i> , 2017 , 7, 13517 | 4.9 | 35 |
| 28 | Cryo-EM structure of the native rhodopsin dimer in nanodiscs. <i>Journal of Biological Chemistry</i> , 2019 , 294, 14215-14230 | 5.4 | 34 |
| 27 | The Sialoside-Binding Pocket of SARS-CoV-2 Spike Glycoprotein Structurally Resembles MERS-CoV. <i>Viruses</i> , 2020 , 12, | 6.2 | 32 |
| 26 | Elongated Plant Virus-Based Nanoparticles for Enhanced Delivery of Thrombolytic Therapies. <i>Molecular Pharmaceutics</i> , 2017 , 14, 3815-3823 | 5.6 | 29 |
| 25 | A Small Chaperone Improves Folding and Routing of Rhodopsin Mutants Linked to Inherited Blindness. <i>IScience</i> , 2018 , 4, 1-19 | 6.1 | 28 |
| 24 | A novel small molecule chaperone of rod opsin and its potential therapy for retinal degeneration. <i>Nature Communications</i> , 2018 , 9, 1976 | 17.4 | 25 |
| 23 | Photocyclic behavior of rhodopsin induced by an atypical isomerization mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2608-E2615 | 11.5 | 22 |
| 22 | Cryo-EM structure of phosphodiesterase 6 reveals insights into the allosteric regulation of type I phosphodiesterases. <i>Science Advances</i> , 2019 , 5, eaav4322 | 14.3 | 21 |
| 21 | An effective thiol-reactive probe for differential scanning fluorimetry with a standard real-time polymerase chain reaction device. <i>Analytical Biochemistry</i> , 2016 , 499, 63-65 | 3.1 | 19 |
| 20 | Network mapping among the functional domains of Chikungunya virus nonstructural proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014 , 82, 2403-11 | 4.2 | 14 |
| 19 | Deciphering the host-pathogen protein interface in chikungunya virus-mediated sickness. <i>Archives of Virology</i> , 2013 , 158, 1159-72 | 2.6 | 12 |
| 18 | Predicting the host protein interactors of Chandipura virus using a structural similarity-based approach. <i>Pathogens and Disease</i> , 2013 , 69, 29-35 | 4.2 | 12 |
| 17 | Crystallization of proteins from crude bovine rod outer segments. <i>Methods in Enzymology</i> , 2015 , 557, 439-58 | 1.7 | 8 |
| 16 | Complex binding pathways determine the regeneration of mammalian green cone opsin with a locked retinal analogue. <i>Journal of Biological Chemistry</i> , 2017 , 292, 10983-10997 | 5.4 | 8 |
| 15 | Identification of potential molecular associations between chikungunya virus non-structural protein 2 and human host proteins. <i>Acta Virologica</i> , 2017 , 61, 39-47 | 2.2 | 7 |
| 14 | Molecular determinant modulates thermal recovery kinetics and structural integrity of the bacterial BLUF photoreceptor. <i>FEBS Letters</i> , 2016 , 590, 2146-57 | 3.8 | 7 |

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| 13 | Specificity of the chromophore-binding site in human cone opsins. <i>Journal of Biological Chemistry</i> , 2019 , 294, 6082-6093 | 5.4 | 7 |
| 12 | Elucidating the interacting domains of chandipura virus nucleocapsid protein. <i>Advances in Virology</i> , 2013 , 2013, 594319 | 1.9 | 6 |
| 11 | Stereospecific modulation of dimeric rhodopsin. <i>FASEB Journal</i> , 2019 , 33, 9526-9539 | 0.9 | 4 |
| 10 | Melanopsin Carboxy-terminus phosphorylation plasticity and bulk negative charge, not strict site specificity, achieves phototransduction deactivation. <i>PLoS ONE</i> , 2020 , 15, e0228121 | 3.7 | 4 |
| 9 | Neuroinvasion by Chandipura virus. <i>Acta Tropica</i> , 2014 , 135, 122-6 | 3.2 | 3 |
| 8 | Single particle cryo-EM of the complex between interphotoreceptor retinoid-binding protein and a monoclonal antibody. <i>FASEB Journal</i> , 2020 , 34, 13918-13934 | 0.9 | 3 |
| 7 | Notice of Removal: On the fate of mesh-stabilized lipid nanobubbles after destruction with ultrasound 2017 , | | 2 |
| 6 | Interfacial interactions involved in the biological assembly of Chandipura virus nucleocapsid protein. <i>Virus Genes</i> , 2013 , 46, 535-7 | 2.3 | 2 |
| 5 | New focus on regulation of the rod photoreceptor phosphodiesterase. <i>Current Opinion in Structural Biology</i> , 2021 , 69, 99-107 | 8.1 | 1 |
| 4 | Melanopsin Carboxy-terminus phosphorylation plasticity and bulk negative charge, not strict site specificity, achieves phototransduction deactivation 2020 , 15, e0228121 | | |
| 3 | Melanopsin Carboxy-terminus phosphorylation plasticity and bulk negative charge, not strict site specificity, achieves phototransduction deactivation 2020 , 15, e0228121 | | |
| 2 | Melanopsin Carboxy-terminus phosphorylation plasticity and bulk negative charge, not strict site specificity, achieves phototransduction deactivation 2020 , 15, e0228121 | | |
| 1 | Melanopsin Carboxy-terminus phosphorylation plasticity and bulk negative charge, not strict site specificity, achieves phototransduction deactivation 2020 , 15, e0228121 | | |