Sahil Gulati

List of Publications by Year in Descending Order

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	New focus on regulation of the rod photoreceptor phosphodiesterase. *Current Opinion in Structural Biology*, **2021**, 69, 99-107	8.1	1
29	Single particle cryo-EM of the complex between interphotoreceptor retinoid-binding protein and a monoclonal antibody. *FASEB Journal*, **2020**, 34, 13918-13934	0.9	3
28	The Sialoside-Binding Pocket of SARS-CoV-2 Spike Glycoprotein Structurally Resembles MERS-CoV. *Viruses*, **2020**, 12,	6.2	32
27	Melanopsin Carboxy-terminus phosphorylation plasticity and bulk negative charge, not strict site specificity, achieves phototransduction deactivation. *PLoS ONE*, **2020**, 15, e0228121	3.7	4
26	Melanopsin Carboxy-terminus phosphorylation plasticity and bulk negative charge, not strict site specificity, achieves phototransduction deactivation **2020**, 15, e0228121		
25	Melanopsin Carboxy-terminus phosphorylation plasticity and bulk negative charge, not strict site specificity, achieves phototransduction deactivation **2020**, 15, e0228121		
24	Melanopsin Carboxy-terminus phosphorylation plasticity and bulk negative charge, not strict site specificity, achieves phototransduction deactivation **2020**, 15, e0228121		
23	Melanopsin Carboxy-terminus phosphorylation plasticity and bulk negative charge, not strict site specificity, achieves phototransduction deactivation **2020**, 15, e0228121		
22	Stereospecific modulation of dimeric rhodopsin. *FASEB Journal*, **2019**, 33, 9526-9539	0.9	4
21	Cryo-EM structure of phosphodiesterase 6 reveals insights into the allosteric regulation of type I phosphodiesterases. *Science Advances*, **2019**, 5, eaav4322	14.3	21
20	Cryo-EM structure of the native rhodopsin dimer in nanodiscs. *Journal of Biological Chemistry*, **2019**, 294, 14215-14230	5.4	34
19	Specificity of the chromophore-binding site in human cone opsins. *Journal of Biological Chemistry*, **2019**, 294, 6082-6093	5.4	7
18	A novel small molecule chaperone of rod opsin and its potential therapy for retinal degeneration. *Nature Communications*, **2018**, 9, 1976	17.4	25
17	Targeting G protein-coupled receptor signaling at the G protein level with a selective nanobody inhibitor. *Nature Communications*, **2018**, 9, 1996	17.4	45
16	A Small Chaperone Improves Folding and Routing of Rhodopsin Mutants Linked to Inherited Blindness. *IScience*, **2018**, 4, 1-19	6.1	28
15	Photocyclic behavior of rhodopsin induced by an atypical isomerization mechanism. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E2608-E2615	11.5	22
14	Cryo-EM Visualization of Lipid and Polymer-Stabilized Perfluorocarbon Gas Nanobubbles - A Step Towards Nanobubble Mediated Drug Delivery. *Scientific Reports*, **2017**, 7, 13517	4.9	35

List of Publications

13	Notice of Removal: On the fate of mesh-stabilized lipid nanobubbles after destruction with ultrasound **2017**,		2
12	Identification of potential molecular associations between chikungunya virus non-structural protein 2 and human host proteins. *Acta Virologica*, **2017**, 61, 39-47	2.2	7
11	Elongated Plant Virus-Based Nanoparticles for Enhanced Delivery of Thrombolytic Therapies. *Molecular Pharmaceutics*, **2017**, 14, 3815-3823	5.6	29
10	Complex binding pathways determine the regeneration of mammalian green cone opsin with a locked retinal analogue. *Journal of Biological Chemistry*, **2017**, 292, 10983-10997	5.4	8
9	An effective thiol-reactive probe for differential scanning fluorimetry with a standard real-time polymerase chain reaction device. *Analytical Biochemistry*, **2016**, 499, 63-65	3.1	19
8	Molecular determinant modulates thermal recovery kinetics and structural integrity of the bacterial BLUF photoreceptor. *FEBS Letters*, **2016**, 590, 2146-57	3.8	7
7	Crystallization of proteins from crude bovine rod outer segments. *Methods in Enzymology*, **2015**, 557, 439-58	1.7	8
6	Network mapping among the functional domains of Chikungunya virus nonstructural proteins. *Proteins: Structure, Function and Bioinformatics*, **2014**, 82, 2403-11	4.2	14
5	Neuroinvasion by Chandipura virus. *Acta Tropica*, **2014**, 135, 122-6	3.2	3
4	Deciphering the host-pathogen protein interface in chikungunya virus-mediated sickness. *Archives of Virology*, **2013**, 158, 1159-72	2.6	12
3	Interfacial interactions involved in the biological assembly of Chandipura virus nucleocapsid protein. *Virus Genes*, **2013**, 46, 535-7	2.3	2
2	Predicting the host protein interactors of Chandipura virus using a structural similarity-based approach. *Pathogens and Disease*, **2013**, 69, 29-35	4.2	12
1	Elucidating the interacting domains of chandipura virus nucleocapsid protein. *Advances in Virology*, **2013**, 2013, 594319	1.9	6