

# Syed Saif Hasan

## List of Publications by Year in descending order

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36  
papers

1,554  
citations

394421

19  
h-index

361022

35  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2169  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and Function of the Cytochrome <i>b<sub>6</sub>f</i> Complex. Photochemistry and Photobiology, 2008, 84, 1349-1358.	2.5	145
2	The Q cycle of cytochrome bc complexes: A structure perspective. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 788-802.	1.0	144
3	Structural biology of Zika virus and other flaviviruses. Nature Structural and Molecular Biology, 2018, 25, 13-20.	8.2	144
4	Bacterial Synthesis of Copper/Copper Oxide Nanoparticles. Journal of Nanoscience and Nanotechnology, 2008, 8, 3191-3196.	0.9	124
5	A human antibody against Zika virus crosslinks the E protein to prevent infection. Nature Communications, 2017, 8, 14722.	12.8	122
6	Structure-Function, Stability, and Chemical Modification of the Cyanobacterial Cytochrome <i>b<sub>6</sub>f</i> Complex from Nostoc sp. PCC 7120. Journal of Biological Chemistry, 2009, 284, 9861-9869.	3.4	96
7	Post-translational Modifications of Integral Membrane Proteins Resolved by Top-down Fourier Transform Mass Spectrometry with Collisionally Activated Dissociation. Molecular and Cellular Proteomics, 2010, 9, 791-803.	3.8	86
8	Quinone-dependent proton transfer pathways in the photosynthetic cytochrome <i>b<sub>6</sub>f</i> complex. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4297-4302.	7.1	84
9	Mechanism of Enhanced Superoxide Production in the Cytochrome <i>b<sub>6</sub>f</i> Complex of Oxygenic Photosynthesis. Biochemistry, 2013, 52, 8975-8983.	2.5	57
10	Galectins – Potential targets for cancer therapy. Cancer Letters, 2007, 253, 25-33.	7.2	55
11	Transmembrane signaling and assembly of the cytochrome <i>b<sub>6</sub>f</i> -lipidic charge transfer complex. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 1295-1308.	1.0	55
12	On rate limitations of electron transfer in the photosynthetic cytochrome <i>b<sub>6</sub>f</i> complex. Physical Chemistry Chemical Physics, 2012, 14, 13853.	2.8	50
13	Internal Lipid Architecture of the Hetero-Oligomeric Cytochrome <i>b<sub>6</sub>f</i> Complex. Structure, 2014, 22, 1008-1015.	3.3	49
14	Cryo-EM Structures of Eastern Equine Encephalitis Virus Reveal Mechanisms of Virus Disassembly and Antibody Neutralization. Cell Reports, 2018, 25, 3136-3147.e5.	6.4	49
15	Conservation of Lipid Functions in Cytochrome bc Complexes. Journal of Molecular Biology, 2011, 414, 145-162.	4.2	44
16	Lipid-Induced Conformational Changes within the Cytochrome <i>b<sub>6</sub>f</i> Complex of Oxygenic Photosynthesis. Biochemistry, 2013, 52, 2649-2654.	2.5	33
17	Purification and Crystallization of the Cyanobacterial Cytochrome <i>b<sub>6</sub>f</i> Complex. Methods in Molecular Biology, 2011, 684, 65-77.	0.9	24
18	Cryo-EM structure of eastern equine encephalitis virus in complex with heparan sulfate analogues. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8890-8899.	7.1	24

#	ARTICLE	IF	CITATIONS
19	Traffic within the Cytochrome b <sub>6</sub> f Lipoprotein Complex: Gating of the Quinone Portal. <i>Biophysical Journal</i> , 2014, 107, 1620-1628.	0.5	20
20	A Map of Dielectric Heterogeneity in a Membrane Protein: the Hetero-Oligomeric Cytochrome b <sub>6</sub> f Complex. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6614-6625.	2.6	19
21	Selective Cytotoxic Action and DNA Damage by Calcitriol-Cu(II) Interaction: Putative Mechanism of Cancer Prevention. <i>PLoS ONE</i> , 2013, 8, e76191.	2.5	16
22	Trans-membrane Signaling in Photosynthetic State Transitions. <i>Journal of Biological Chemistry</i> , 2016, 291, 21740-21750.	3.4	16
23	Lipid functions in cytochrome b <sub>6</sub> f complexes: an odd evolutionary transition in a membrane protein structure. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 3406-3411.	4.0	12
24	Role of Domain Swapping in the Hetero-Oligomeric Cytochrome b <sub>6</sub> f Lipoprotein Complex. <i>Biochemistry</i> , 2015, 54, 3151-3163.	2.5	12
25	Structure-Function of the Cytochrome b <sub>6</sub> f Lipoprotein Complex. <i>Advances in Photosynthesis and Respiration</i> , 2016, , 177-207.	1.0	12
26	Pathways of Transmembrane Electron Transfer in Cytochrome b <sub>6</sub> f Complexes: Dielectric Heterogeneity and Interheme Coulombic Interactions. <i>Journal of Physical Chemistry B</i> , 2017, 121, 975-983.	2.6	11
27	Calcitriol-induced DNA damage: Toward a molecular mechanism of selective cell death. <i>IUBMB Life</i> , 2013, 65, 787-792.	3.4	9
28	A novel chloroplast super-complex consisting of the ATP synthase and photosystem I reaction center. <i>PLoS ONE</i> , 2020, 15, e0237569.	2.5	9
29	An extended motif in the SARS-CoV-2 spike modulates binding and release of host coatmer in retrograde trafficking. <i>Communications Biology</i> , 2022, 5, 115.	4.4	9
30	Membrane proteins in four acts: Function precedes structure determination. <i>Methods</i> , 2011, 55, 415-420.	3.8	8
31	Structural and biochemical insights into flavivirus proteins. <i>Virus Research</i> , 2021, 296, 198343.	2.2	6
32	Methods for Studying Interactions of Detergents and Lipids with $\alpha$ -Helical and $\beta$ -Barrel Integral Membrane Proteins. <i>Current Protocols in Protein Science</i> , 2013, 74, 29.7.1-29.7.30.	2.8	3
33	Preferred Pathway of Electron Transfer in the Dimeric Cytochrome b <sub>6</sub> f Complex: Selective Reduction of One Monomer. <i>Biophysical Journal</i> , 2011, 100, 131a.	0.5	2
34	Mechanisms of Superoxide Generation and Signaling in Cytochrome bc Complexes. <i>Advances in Photosynthesis and Respiration</i> , 2016, , 397-417.	1.0	2
35	Exciton Interactions Between Hemes b <sub>n</sub> and b <sub>p</sub> in the Cytochrome b <sub>6</sub> f Complex. <i>Biophysical Journal</i> , 2010, 98, 564a.	0.5	1
36	The Structural Biology of Eastern Equine Encephalitis Virus, an Emerging Viral Threat. <i>Pathogens</i> , 2021, 10, 973.	2.8	1