

# Soung-Hun Roh

## List of Publications by Year in descending order

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27  
papers

1,021  
citations

566801

15  
h-index

713013

21  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1754  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural principles of distinct assemblies of the human $\alpha 4 \beta 2$ nicotinic receptor. <i>Nature</i> , 2018, 557, 261-265.	13.7	177
2	The 3.5-Å... CryoEM Structure of Nanodisc-Reconstituted Yeast Vacuolar ATPase Vo Proton Channel. <i>Molecular Cell</i> , 2018, 69, 993-1004.e3.	4.5	103
3	Molecular Surface of Tarantula Toxins Interacting with Voltage Sensors in Kv Channels. <i>Journal of General Physiology</i> , 2004, 123, 455-467.	0.9	100
4	Subunit conformational variation within individual GroEL oligomers resolved by Cryo-EM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8259-8264.	3.3	86
5	Modulation of STAT3 Folding and Function by TRiC/CCT Chaperonin. <i>PLoS Biology</i> , 2014, 12, e1001844.	2.6	84
6	Contribution of the Type II Chaperonin, TRiC/CCT, to Oncogenesis. <i>International Journal of Molecular Sciences</i> , 2015, 16, 26706-26720.	1.8	65
7	Reprogramming an ATP-driven protein machine into a light-gated nanocage. <i>Nature Nanotechnology</i> , 2013, 8, 928-932.	15.6	55
8	Cryo-EM and MD infer water-mediated proton transport and autoinhibition mechanisms of V <sub>o</sub> complex. <i>Science Advances</i> , 2020, 6, .	4.7	51
9	Improved Peak Detection and Deconvolution of Native Electrospray Mass Spectra from Large Protein Complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 2141-2151.	1.2	49
10	Cryo-EM structures of NPC1L1 reveal mechanisms of cholesterol transport and ezetimibe inhibition. <i>Science Advances</i> , 2020, 6, eabb1989.	4.7	49
11	Mapping the catalytic conformations of an assembly-line polyketide synthase module. <i>Science</i> , 2021, 374, 729-734.	6.0	41
12	Cryo-EM Structures of the Hsp104 Protein Disaggregase Captured in the ATP Conformation. <i>Cell Reports</i> , 2019, 26, 29-36.e3.	2.9	36
13	Chaperonin TRiC/CCT Modulates the Folding and Activity of Leukemogenic Fusion Oncoprotein AML1-ETO. <i>Journal of Biological Chemistry</i> , 2016, 291, 4732-4741.	1.6	25
14	Contribution of chaperones to STAT pathway signaling. <i>Jak-stat</i> , 2014, 3, e970459.	2.2	24
15	A glycoprotein B-neutralizing antibody structure at 2.8-Å... uncovers a critical domain for herpesvirus fusion initiation. <i>Nature Communications</i> , 2020, 11, 4141.	5.8	23
16	Oxidative stress protein Oxr1 promotes V <sub>o</sub> ATPase holoenzyme disassembly in catalytic activity-independent manner. <i>EMBO Journal</i> , 2022, 41, e109360.	3.5	15
17	Chaperonin TRiC/CCT Recognizes Fusion Oncoprotein AML1-ETO through Subunit-Specific Interactions. <i>Biophysical Journal</i> , 2016, 110, 2377-2385.	0.2	12
18	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. <i>PLoS Pathogens</i> , 2021, 17, e1008961.	2.1	12

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19	Structural insights into ClpP protease side exit pore opening by a pH drop coupled with substrate hydrolysis. EMBO Journal, 2022, 41, e109755.	3.5	8
20	Cryo-EM structures of GroEL:ES2 with RuBisCO visualize molecular contacts of encapsulated substrates in a double-cage chaperonin. IScience, 2022, 25, 103704.	1.9	5
21	Reprogramming an ATP-Driven Biological Machine into a Light-Gated Protein Nanocage. Biophysical Journal, 2014, 106, 439a.	0.2	0
22	Resolution of Heterogeneity in Nicotinic Receptor Assembly by Cryo-EM. Biophysical Journal, 2018, 114, 10a-11a.	0.2	0
23	Integrated cryoEM imaging center at Seoul National University, Korea. Biodesign, 2021, 9, 72-77.	0.2	0
24	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
25	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
26	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0
27	The N-terminus of varicella-zoster virus glycoprotein B has a functional role in fusion. , 2021, 17, e1008961.		0