

Jungsoon Lee

List of Publications by Year in descending order

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687
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687363

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19
times ranked

1101
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping interactions with the chaperone network reveals factors that protect against tau aggregation. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 384-393.	8.2	119
2	Heat shock protein (Hsp) 70 is an activator of the Hsp104 motor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8513-8518.	7.1	101
3	SARS-CoV-2 RBD219-N1C1: A yeast-expressed SARS-CoV-2 recombinant receptor-binding domain candidate vaccine stimulates virus neutralizing antibodies and T-cell immunity in mice. <i>Human Vaccines and Immunotherapeutics</i> , 2021, 17, 2356-2366.	3.3	64
4	The mitochondrial HSP90 paralog TRAP1 forms an OXPHOS-regulated tetramer and is involved in mitochondrial metabolic homeostasis. <i>BMC Biology</i> , 2020, 18, 10.	3.8	56
5	A yeast-expressed RBD-based SARS-CoV-2 vaccine formulated with 3M-052-alum adjuvant promotes protective efficacy in non-human primates. <i>Science Immunology</i> , 2021, 6, .	11.9	53
6	Genetic modification to design a stable yeast-expressed recombinant SARS-CoV-2 receptor binding domain as a COVID-19 vaccine candidate. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129893.	2.4	49
7	Mitochondrial Hsp90 is a ligand-activated molecular chaperone coupling ATP binding to dimer closure through a coiled-coil intermediate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2952-2957.	7.1	42
8	Molecular chaperones: guardians of the proteome in normal and disease states. <i>F1000Research</i> , 2015, 4, 1448.	1.6	39
9	Process development and scale-up optimization of the SARS-CoV-2 receptor binding domain-based vaccine candidate, RBD219-N1C1. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 4153-4165.	3.6	37
10	Cryo-EM Structures of the Hsp104 Protein Disaggregase Captured in the ATP Conformation. <i>Cell Reports</i> , 2019, 26, 29-36.e3.	6.4	36
11	Yeast-expressed recombinant SARS-CoV-2 receptor binding domain RBD203-N1 as a COVID-19 protein vaccine candidate. <i>Protein Expression and Purification</i> , 2022, 190, 106003.	1.3	21
12	Receptor-binding domain recombinant protein on alum-CpG induces broad protection against SARS-CoV-2 variants of concern. <i>Vaccine</i> , 2022, 40, 3655-3663.	3.8	21
13	2.4-Å resolution crystal structure of human TRAP1_{NM}, the Hsp90 paralog in the mitochondrial matrix. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 904-911.	2.3	16
14	Overlapping and Specific Functions of the Hsp104 N Domain Define Its Role in Protein Disaggregation. <i>Scientific Reports</i> , 2017, 7, 11184.	3.3	15
15	Structural determinants for protein unfolding and translocation by the Hsp104 protein disaggregase. <i>Bioscience Reports</i> , 2017, 37, .	2.4	15
16	Crystal Structure of the YcjX Stress Protein Reveals a Ras-Like GTP-Binding Protein. <i>Journal of Molecular Biology</i> , 2019, 431, 3179-3190.	4.2	3