

Jie-Oh Lee

List of Publications by Year in descending order

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64
papers

12,870
citations

94433

37
h-index

123424

61
g-index

64
all docs

64
docs citations

64
times ranked

15259
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural features of a minimal intact methyltransferase of a type I restriction-modification system. <i>International Journal of Biological Macromolecules</i> , 2022, 208, 381-389.	7.5	0
2	Protective and Therapeutic Effects of an IL-15:IL-15R α -Secreting Cell-Based Cancer Vaccine Using a Baculovirus System. <i>Cancers</i> , 2021, 13, 4039.	3.7	2
3	Structural and biophysical properties of RIG-I bound to dsRNA with G-U wobble base pairs. <i>RNA Biology</i> , 2020, 17, 325-334.	3.1	0
4	The application of helix fusion methods in structural biology. <i>Current Opinion in Structural Biology</i> , 2020, 60, 110-116.	5.7	13
5	Interleukin-9 Inhibits Lung Metastasis of Melanoma through Stimulating Anti-Tumor M1 Macrophages. <i>Molecules and Cells</i> , 2020, 43, 479-490.	2.6	17
6	Crosstalk between the Producers and Immune Targets of IL-9. <i>Immune Network</i> , 2020, 20, e45.	3.6	14
7	Cryo-electron microscopy research at the institute of membrane proteins: current status and future prospects. <i>Biodesign</i> , 2020, 8, 87-92.	0.4	0
8	Application of antihelix antibodies in protein structure determination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17786-17791.	7.1	16
9	Higd-1a regulates the proliferation of pancreatic cancer cells through a pERK/p27KIP1/pRB pathway. <i>Cancer Letters</i> , 2019, 461, 78-89.	7.2	10
10	Attachment of flagellin enhances the immunostimulatory activity of a hemagglutinin-ferritin nano-cage. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 17, 223-235.	3.3	9
11	Structural diversity and flexibility of diabodies. <i>Methods</i> , 2019, 154, 136-142.	3.8	17
12	Structural insights into the elevator-like mechanism of the sodium/citrate symporter CitS. <i>Scientific Reports</i> , 2017, 7, 2548.	3.3	15
13	Structural Insights into Modulation of Neurexin-Neuroigin Trans -synaptic Adhesion by MDGA1/Neuroigin-2 Complex. <i>Neuron</i> , 2017, 94, 1121-1131.e6.	8.1	48
14	Reconstruction of LPS Transfer Cascade Reveals Structural Determinants within LBP, CD14, and TLR4-MD2 for Efficient LPS Recognition and Transfer. <i>Immunity</i> , 2017, 46, 38-50.	14.3	274
15	Unique binding mode of Evogliptin with human dipeptidyl peptidase IV. <i>Biochemical and Biophysical Research Communications</i> , 2017, 494, 452-459.	2.1	11
16	Construction of novel repeat proteins with rigid and predictable structures using a shared helix method. <i>Scientific Reports</i> , 2017, 7, 2595.	3.3	25
17	LAR-RPTP Clustering Is Modulated by Competitive Binding between Synaptic Adhesion Partners and Heparan Sulfate. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 327.	2.9	25
18	Crystal structures of mono- and bi-specific diabodies and reduction of their structural flexibility by introduction of disulfide bridges at the Fv interface. <i>Scientific Reports</i> , 2016, 6, 34515.	3.3	19

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19	Connecting two proteins using a fusion alpha helix stabilized by a chemical cross linker. <i>Nature Communications</i> , 2016, 7, 11031.	12.8	19
20	Structural Studies of Potassium Transport Protein KtrA Regulator of Conductance of K ⁺ (RCK) C Domain in Complex with Cyclic Diadenosine Monophosphate (c-di-AMP). <i>Journal of Biological Chemistry</i> , 2015, 290, 16393-16402.	3.4	74
21	Structural basis for LAR-RPTP/Slitrk complex-mediated synaptic adhesion. <i>Nature Communications</i> , 2014, 5, 5423.	12.8	94
22	The structural basis for the negative regulation of thioredoxin by thioredoxin-interacting protein. <i>Nature Communications</i> , 2014, 5, 2958.	12.8	114
23	The Crystal Structure of Lipopolysaccharide Binding Protein Reveals the Location of a Frequent Mutation that Impairs Innate Immunity. <i>Immunity</i> , 2013, 39, 647-660.	14.3	102
24	Recognition of lipopolysaccharide pattern by TLR4 complexes. <i>Experimental and Molecular Medicine</i> , 2013, 45, e66-e66.	7.7	816
25	Insights into the regulation of human Rev1 for translesion synthesis polymerases revealed by the structural studies on its polymerase-interacting domain. <i>Journal of Molecular Cell Biology</i> , 2013, 5, 204-206.	3.3	14
26	Higd-1a interacts with Opa1 and is required for the morphological and functional integrity of mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13014-13019.	7.1	53
27	Structural insights into the regulation of sialic acid catabolism by the <i>Vibrio vulnificus</i> transcriptional repressor NanR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2829-37.	7.1	22
28	Srs2 possesses a non-canonical PIP box in front of its SBM for precise recognition of SUMOylated PCNA. <i>Journal of Molecular Cell Biology</i> , 2012, 4, 258-261.	3.3	14
29	Sensing of microbial molecular patterns by Toll-like receptors. <i>Immunological Reviews</i> , 2012, 250, 216-229.	6.0	150
30	Structural Biology of the Toll-Like Receptor Family. <i>Annual Review of Biochemistry</i> , 2011, 80, 917-941.	11.1	285
31	The survival effect of mitochondrial Higd-1a is associated with suppression of cytochrome C release and prevention of caspase activation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 2088-2098.	4.1	42
32	Crystal Structure of the Human N-Myc Downstream-regulated Gene 2 Protein Provides Insight into Its Role as a Tumor Suppressor. <i>Journal of Biological Chemistry</i> , 2011, 286, 12450-12460.	3.4	60
33	Crystallographic and Mutational Analysis of the CD40-CD154 Complex and Its Implications for Receptor Activation. <i>Journal of Biological Chemistry</i> , 2011, 286, 11226-11235.	3.4	78
34	Structure of PP4397 Reveals the Molecular Basis for Different c-di-GMP Binding Modes by Pilz Domain Proteins. <i>Journal of Molecular Biology</i> , 2010, 398, 97-110.	4.2	94
35	The structural basis of lipopolysaccharide recognition by the TLR4-MD-2 complex. <i>Nature</i> , 2009, 458, 1191-1195.	27.8	1,857
36	Recognition of Lipopeptide Patterns by Toll-like Receptor 2-Toll-like Receptor 6 Heterodimer. <i>Immunity</i> , 2009, 31, 873-884.	14.3	641

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37	The presence of monoglucosylated N196-glycan is important for the structural stability of storage protein, arylphorin. <i>Biochemical Journal</i> , 2009, 421, 87-96.	3.7	17
38	Toll-Like Receptor 4 Decoy, TOY, Attenuates Gram-Negative Bacterial Sepsis. <i>PLoS ONE</i> , 2009, 4, e7403.	2.5	18
39	Structures of TLR ligand complexes. <i>Current Opinion in Immunology</i> , 2008, 20, 414-419.	5.5	78
40	Regulation of CD40 reconstitution into a liposome using different ratios of solubilized LDAO to lipids. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 62, 51-57.	5.0	5
41	Structures of the Toll-like Receptor Family and Its Ligand Complexes. <i>Immunity</i> , 2008, 29, 182-191.	14.3	470
42	Application of hybrid LRR technique to protein crystallization. <i>BMB Reports</i> , 2008, 41, 353-357.	2.4	19
43	Structural Diversity of the Hagfish Variable Lymphocyte Receptors. <i>Journal of Biological Chemistry</i> , 2007, 282, 6726-6732.	3.4	104
44	Structural Basis for the Conformational Integrity of the Arabidopsis thaliana HY5 Leucine Zipper Homodimer. <i>Journal of Biological Chemistry</i> , 2007, 282, 12989-13002.	3.4	14
45	Structural insight into dimeric interaction of the SARAH domains from Mst1 and RASSF family proteins in the apoptosis pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 9236-9241.	7.1	124
46	Crystal Structure of the TLR4-MD-2 Complex with Bound Endotoxin Antagonist Eritoran. <i>Cell</i> , 2007, 130, 906-917.	28.9	1,499
47	Crystal Structure of the TLR1-TLR2 Heterodimer Induced by Binding of a Tri-Acylated Lipopeptide. <i>Cell</i> , 2007, 130, 1071-1082.	28.9	1,154
48	Activation of Ras Up-regulates Pro-apoptotic BNIP3 in Nitric Oxide-induced Cell Death. <i>Journal of Biological Chemistry</i> , 2006, 281, 33939-33948.	3.4	49
49	A critical role for the histidine residues in the catalytic function of acyl-CoA:cholesterol acyltransferase catalysis: Evidence for catalytic difference between ACAT1 and ACAT2. <i>FEBS Letters</i> , 2006, 580, 2741-2749.	2.8	13
50	Role of the Tumor Suppressor RASSF1A in Mst1-Mediated Apoptosis. <i>Cancer Research</i> , 2006, 66, 2562-2569.	0.9	167
51	Crystal Structure of CD14 and Its Implications for Lipopolysaccharide Signaling. <i>Journal of Biological Chemistry</i> , 2005, 280, 11347-11351.	3.4	224
52	Structural Insights into the Monosaccharide Specificity of Escherichia coli Rhamnose Mutarotase. <i>Journal of Molecular Biology</i> , 2005, 349, 153-162.	4.2	26
53	Is TALL-1 a trimer or a virus-like cluster?. <i>Nature</i> , 2004, 427, 413-414.	27.8	37
54	Cytosolic NADP+-dependent isocitrate dehydrogenase protects macrophages from LPS-induced nitric oxide and reactive oxygen species. <i>Biochemical and Biophysical Research Communications</i> , 2004, 317, 558-564.	2.1	48

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55	Nitric oxide induces BNIP3 expression that causes cell death in macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2004, 321, 298-305.	2.1	42
56	Crystal structure of the BAFF-BAFF-R complex and its implications for receptor activation. <i>Nature Structural and Molecular Biology</i> , 2003, 10, 342-348.	8.2	82
57	Structure of the catalytic domain of human phosphodiesterase 5 with bound drug molecules. <i>Nature</i> , 2003, 425, 98-102.	27.8	258
58	Crystal structure of <i>Drosophila</i> angiotensin I-converting enzyme bound to captopril and lisinopril 1. <i>FEBS Letters</i> , 2003, 538, 65-70.	2.8	93
59	Crystal structure of phosphodiesterase 4D and inhibitor complex1. <i>FEBS Letters</i> , 2002, 530, 53-58.	2.8	100
60	Crystal Structure of the PTEN Tumor Suppressor. <i>Cell</i> , 1999, 99, 323-334.	28.9	974
61	Structure of the retinoblastoma tumour-suppressor pocket domain bound to a peptide from HPV E7. <i>Nature</i> , 1998, 391, 859-865.	27.8	430
62	Structural basis for inhibition of the cyclin-dependent kinase Cdk6 by the tumour suppressor p16INK4a. <i>Nature</i> , 1998, 395, 237-243.	27.8	468
63	Two conformations of the integrin A-domain (I-domain): a pathway for activation?. <i>Structure</i> , 1995, 3, 1333-1340.	3.3	396
64	Crystal structure of the A domain from the α subunit of integrin CR3 (CD11 b/CD18). <i>Cell</i> , 1995, 80, 631-638.	28.9	917