Ho Sup Yoon

List of Publications by Citations

118 papers	7,639 citations	31 h-index	86 g-index
121 ext. papers	8,396 ext. citations	7.4 avg, IF	5.25 L-index

#	Paper	IF	Citations
118	X-ray and NMR structure of human Bcl-xL, an inhibitor of programmed cell death. *Nature*, **1996**, 381, 335-41	50.4	1303
117	Structure of Bcl-xL-Bak peptide complex: recognition between regulators of apoptosis. *Science*, **1997**, 275, 983-6	33.3	1263
116	Pleckstrin homology domains bind to phosphatidylinositol-4,5-bisphosphate. *Nature*, **1994**, 371, 168-70	50.4	710
115	Co-delivery of drugs and DNA from cationic core-shell nanoparticles self-assembled from a biodegradable copolymer. *Nature Materials*, **2006**, 5, 791-6	27	568
114	Solution structure of the antiapoptotic protein bcl-2. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 3012-7	11.5	364
113	FKBP family proteins: immunophilins with versatile biological functions. *NeuroSignals*, **2008**, 16, 318-25	1.9	228
112	Solution structure of a pleckstrin-homology domain. *Nature*, **1994**, 369, 672-5	50.4	208
111	A tunable 3D optofluidic waveguide dye laser via two centrifugal Dean flow streams. *Lab on A Chip*, **2011**, 11, 3182-7	7.2	156
110	Structure of a new nucleic-acid-binding motif in eukaryotic transcriptional elongation factor TFIIS. *Nature*, **1993**, 365, 277-9	50.4	116
109	Novel zinc finger motif in the basal transcriptional machinery: three-dimensional NMR studies of the nucleic acid binding domain of transcriptional elongation factor TFIIS. *Biochemistry*, **1993**, 32, 9944-59	3.2	115
108	Structural characterization of the interaction between a pleckstrin homology domain and phosphatidylinositol 4,5-bisphosphate. *Biochemistry*, **1995**, 34, 9859-64	3.2	111
107	Nuclear receptor Nurr1 agonists enhance its dual functions and improve behavioral deficits in an animal model of Parkinson's disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 8756-61	11.5	103
106	Mitotic histone H3 phosphorylation by vaccinia-related kinase 1 in mammalian cells. *Molecular and Cellular Biology*, **2007**, 27, 8533-46	4.8	101
105	Stimulation of transcript elongation requires both the zinc finger and RNA polymerase II binding domains of human TFIIS. *Biochemistry*, **1991**, 30, 7842-51	3.2	91
104	A Light-Driven Therapy of Pancreatic Adenocarcinoma Using Gold Nanorods-Based Nanocarriers for Co-Delivery of Doxorubicin and siRNA. *Theranostics*, **2015**, 5, 818-33	12.1	84
103	Mechanistic insights into non-immunosuppressive immunophilin ligands as potential antimalarial therapeutics. *Malaria Journal*, **2010**, 9,	3.6	78
102	Domain 2 of nonstructural protein 5A (NS5A) of hepatitis C virus is natively unfolded. *Biochemistry*, **2007**, 46, 11550-8	3.2	78

101	PtdIns(3)P-bound UVRAG coordinates Golgi-ER retrograde and Atg9 transport by differential interactions with the ER tether and the beclin 1 complex. *Nature Cell Biology*, **2013**, 15, 1206-1219	23.4	71
100	The transcription factor TFIIS zinc ribbon dipeptide Asp-Glu is critical for stimulation of elongation and RNA cleavage by RNA polymerase II. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 9106-10	11.5	67
99	Solution structure of the DNA-binding domain of a human papillomavirus E2 protein: evidence for flexible DNA-binding regions. *Biochemistry*, **1996**, 35, 2095-103	3.2	62
98	Self-powered, on-demand transdermal drug delivery system driven by triboelectric nanogenerator. *Nano Energy*, **2019**, 62, 610-619	17.1	61
97	Solution structure of the Shc SH2 domain complexed with a tyrosine-phosphorylated peptide from the T-cell receptor. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 7784-8	11.5	55
96	Cloning, expression and characterization of the human transcription elongation factor, TFIIS. *Nucleic Acids Research*, **1991**, 19, 1073-9	20.1	55
95	Efficient intracellular delivery of functional proteins using cationic polymer core/shell nanoparticles. *Biomaterials*, **2008**, 29, 1224-32	15.6	52
94	Kinetin riboside preferentially induces apoptosis by modulating Bcl-2 family proteins and caspase-3 in cancer cells. *Cancer Letters*, **2008**, 261, 37-45	9.9	50
93	Molecular characterization of FK-506 binding protein 38 and its potential regulatory role on the anti-apoptotic protein Bcl-2. *Biochemical and Biophysical Research Communications*, **2005**, 337, 30-8	3.4	43
92	The flexible loop of Bcl-2 is required for molecular interaction with immunosuppressant FK-506 binding protein 38 (FKBP38). *FEBS Letters*, **2005**, 579, 1469-76	3.8	41
91	Dual-site interactions of p53 protein transactivation domain with anti-apoptotic Bcl-2 family proteins reveal a highly convergent mechanism of divergent p53 pathways. *Journal of Biological Chemistry*, **2013**, 288, 7387-98	5.4	34
90	Molecular mimicry-based repositioning of nutlin-3 to anti-apoptotic Bcl-2 family proteins. *Journal of the American Chemical Society*, **2011**, 133, 1244-7	16.4	34
89	Macro histone H2A1.2 (macroH2A1) protein suppresses mitotic kinase VRK1 during interphase. *Journal of Biological Chemistry*, **2012**, 287, 5278-89	5.4	33
88	Biodegradable nanocapsules as siRNA carriers for mutant K-Ras gene silencing of human pancreatic carcinoma cells. *Small*, **2013**, 9, 2757-63	11	31
87	NMR solution structure of human vaccinia-related kinase 1 (VRK1) reveals the C-terminal tail essential for its structural stability and autocatalytic activity. *Journal of Biological Chemistry*, **2011**, 286, 22131-8	5.4	31
86	The MDM2-binding region in the transactivation domain of p53 also acts as a Bcl-X(L)-binding motif. *Biochemistry*, **2009**, 48, 12159-68	3.2	31
85	Aggregation-induced emission (AIE) dye loaded polymer nanoparticles for gene silencing in pancreatic cancer and their in vitro and in vivo biocompatibility evaluation. *Nano Research*, **2015**, 8, 1563-1576	10	30
84	FKBP38 protects Bcl-2 from caspase-dependent degradation. *Journal of Biological Chemistry*, **2010**, 285, 9770-9779	5.4	30

83	Studies on the Chitin Binding Property of Novel Cysteine-Rich Peptides from Alternanthera sessilis. *Biochemistry*, **2015**, 54, 6639-49	3.2	29
82	Luteolin suppresses cancer cell proliferation by targeting vaccinia-related kinase 1. *PLoS ONE*, **2014**, 9, e109655	3.7	29
81	Glycosylated porphyrin derivatives and their photodynamic activity in cancer cells. *MedChemComm*, **2011**, 2, 371	5	29
80	Crystal structure of the FK506 binding domain of Plasmodium falciparum FKBP35 in complex with FK506. *Biochemistry*, **2008**, 47, 5951-61	3.2	28
79	Isoliquiritigenin selectively inhibits H(2) histamine receptor signaling. *Molecular Pharmacology*, **2006**, 70, 493-500	4.3	28
78	Biodegradable nanocarriers for small interfering ribonucleic acid (siRNA) co-delivery strategy increase the chemosensitivity of pancreatic cancer cells to gemcitabine. *Nano Research*, **2017**, 10, 3049-3067	10	27
77	Stimuli-responsive multifunctional glyconanoparticle platforms for targeted drug delivery and cancer cell imaging. *Chemical Science*, **2017**, 8, 3980-3988	9.4	27
76	Pancreatic cancer gene therapy using an siRNA-functionalized single walled carbon nanotubes (SWNTs) nanoplex. *Biomaterials Science*, **2014**, 2, 1244-1253	7.4	27
75	Aspirin-induced Bcl-2 translocation and its phosphorylation in the nucleus trigger apoptosis in breast cancer cells. *Experimental and Molecular Medicine*, **2013**, 45, e47	12.8	27
74	Molecular basis of Bcl-X(L)-p53 interaction: insights from molecular dynamics simulations. *PLoS ONE*, **2011**, 6, e26014	3.7	27
73	Immunophilins: Structures, Mechanisms and Ligands. *Current Molecular Pharmacology*, **2015**, 9, 37-47	3.7	25
72	Crystallographic structure of the tetratricopeptide repeat domain of Plasmodium falciparum FKBP35 and its molecular interaction with Hsp90 C-terminal pentapeptide. *Protein Science*, **2009**, 18, 2115-24	6.3	25
71	Ursolic acid exerts anti-cancer activity by suppressing vaccinia-related kinase 1-mediated damage repair in lung cancer cells. *Scientific Reports*, **2015**, 5, 14570	4.9	24
70	NMR solution structure of subunit F of the methanogenic A1AO adenosine triphosphate synthase and its interaction with the nucleotide-binding subunit B. *Biochemistry*, **2007**, 46, 11684-94	3.2	24
69	PGE1 and PGA1 bind to Nurr1 and activate its transcriptional function. *Nature Chemical Biology*, **2020**, 16, 876-886	11.7	23
68	Assembling Mn:ZnSe quantum dots-siRNA nanoplexes for gene silencing in tumor cells. *Biomaterials Science*, **2015**, 3, 192-202	7.4	22
67	Bh3 induced conformational changes in Bcl-Xl revealed by crystal structure and comparative analysis. *Proteins: Structure, Function and Bioinformatics*, **2015**, 83, 1262-72	4.2	22
66	NMR and crystallographic structures of the FK506 binding domain of human malarial parasite Plasmodium vivax FKBP35. *Protein Science*, **2010**, 19, 1577-86	6.3	22

65	The N-terminal domain of tumor suppressor p53 is involved in the molecular interaction with the anti-apoptotic protein Bcl-Xl. *Biochemical and Biophysical Research Communications*, **2006**, 341, 938-44	3.4	22
64	Structural insights into the dual-targeting mechanism of Nutlin-3. *Biochemical and Biophysical Research Communications*, **2012**, 420, 48-53	3.4	21
63	Small molecule Plasmodium FKBP35 inhibitor as a potential antimalaria agent. *Scientific Reports*, **2013**, 3, 2501	4.9	21
62	Functionalized MoS Nanosheets as Multi-Gene Delivery Vehicles for Pancreatic Cancer Therapy. *Nanotheranostics*, **2018**, 2, 371-386	5.6	21
61	Biodegradable nanoparticle-mediated K-ras down regulation for pancreatic cancer gene therapy. *Journal of Materials Chemistry B*, **2015**, 3, 2163-2172	7.3	20
60	Chemogenomic Profiling of Human and Microbial FK506-Binding Proteins. *Journal of Medicinal Chemistry*, **2018**, 61, 3660-3673	8.3	20
59	Obtusilactone B from Machilus Thunbergii targets barrier-to-autointegration factor to treat cancer. *Molecular Pharmacology*, **2013**, 83, 367-76	4.3	20
58	Interaction of a putative BH3 domain of clusterin with anti-apoptotic Bcl-2 family proteins as revealed by NMR spectroscopy. *Biochemical and Biophysical Research Communications*, **2011**, 408, 541-7	3.4	20
57	A conserved mechanism for binding of p53 DNA-binding domain and anti-apoptotic Bcl-2 family proteins. *Molecules and Cells*, **2014**, 37, 264-9	3.5	19
56	FKBP38-Bcl-2 interaction: a novel link to chemoresistance. *Current Opinion in Pharmacology*, **2011**, 11, 354-9	5.1	19
55	Determination of encephalomyocarditis viral diabetogenicity by a putative binding site of the viral capsid protein. *Diabetes*, **1998**, 47, 576-82	0.9	19
54	Molecular and structural characterization of the domain 2 of hepatitis C virus non-structural protein 5A. *Molecules and Cells*, **2006**, 22, 13-20	3.5	19
53	NMR solution structure of C2 domain of MFG-E8 and insights into its molecular recognition with phosphatidylserine. *Biochimica Et Biophysica Acta - Biomembranes*, **2013**, 1828, 1083-93	3.8	18
52	Speckle reduction in quantitative phase imaging by generating spatially incoherent laser field at electroactive optical diffusers. *Optics Express*, **2017**, 25, 10791-10800	3.3	18
51	Chloroquine modulates inflammatory autoimmune responses through Nurr1 in autoimmune diseases. *Scientific Reports*, **2019**, 9, 15559	4.9	18
50	RNAi-based therapeutic nanostrategy: IL-8 gene silencing in pancreatic cancer cells using gold nanorods delivery vehicles. *Nanotechnology*, **2015**, 26, 365101	3.4	17
49	Structural insights into substrate binding by PvFKBP35, a peptidylprolyl cis-trans isomerase from the human malarial parasite Plasmodium vivax. *Eukaryotic Cell*, **2013**, 12, 627-34		17
48	Biodegradable charged polyester-based vectors (BCPVs) as an efficient non-viral transfection nanoagent for gene knockdown of the BCR-ABL hybrid oncogene in a human chronic myeloid leukemia cell line. *Nanoscale*, **2016**, 8, 9405-16	7.7	17

47	Structural basis of nucleic acid recognition by FK506-binding protein 25 (FKBP25), a nuclear immunophilin. *Nucleic Acids Research*, **2016**, 44, 2909-25	20.1	17
46	Structural transition in Bcl-xL and its potential association with mitochondrial calcium ion transport. *Scientific Reports*, **2015**, 5, 10609	4.9	16
45	Expression, purification, and molecular characterization of Plasmodium falciparum FK506-binding protein 35 (PfFKBP35). *Protein Expression and Purification*, **2007**, 53, 179-85	2	15
44	New structural insight of C-terminal region of Syntenin-1, enhancing the molecular dimerization and inhibitory function related on Syndecan-4 signaling. *Scientific Reports*, **2016**, 6, 36818	4.9	14
43	Interleukin-8 gene silencing on pancreatic cancer cells using biodegradable polymer nanoplexes. *Biomaterials Science*, **2014**, 2, 1007-1015	7.4	14
42	Targeting FK506 binding proteins to fight malarial and bacterial infections: current advances and future perspectives. *Current Medicinal Chemistry*, **2011**, 18, 1874-89	4.3	14
41	Korean mistletoe lectin (KML-IIU) and its subchains induce nitric oxide (NO) production in murine macrophage cells. *Journal of Biomedical Science*, **2008**, 15, 197-204	13.3	14
40	Preferential interaction of the mRNA proofreading factor TFIIS zinc ribbon with rU.dA base pairs correlates with its function. *Biochemistry*, **1998**, 37, 12104-12	3.2	14
39	Revisiting de novo drug design: receptor based pharmacophore screening. *Current Topics in Medicinal Chemistry*, **2014**, 14, 1890-8	3	14
38	Molecular characterization of the recombinant A-chain of a type II ribosome-inactivating protein (RIP) from Viscum album coloratum and structural basis on its ribosome-inactivating activity and the sugar-binding properties of the B-chain. *BMB Reports*, **2006**, 39, 560-70	5.5	14
37	Adamantyl derivative as a potent inhibitor of Plasmodium FK506 binding protein 35. *ACS Medicinal Chemistry Letters*, **2013**, 4, 1097-101	4.3	13
36	The flavonoid myricetin reduces nocturnal melatonin levels in the blood through the inhibition of serotonin N-acetyltransferase. *Biochemical and Biophysical Research Communications*, **2013**, 440, 312-6	3.4	13
35	A High-Capacity Scintillation Proximity Assay for the Discovery and Evaluation of ZAP-70 Tandem SH2 Domain Antagonists. *Journal of Biomolecular Screening*, **1998**, 3, 139-144		13
34	Design of beta-hairpin peptides for modulation of cell adhesion by beta-turn constraint. *Journal of Medicinal Chemistry*, **2009**, 52, 726-36	8.3	12
33	Solution structure of FK506 binding domain (FKBD) of Plasmodium falciparum FK506 binding protein 35 (PfFKBP35). *Proteins: Structure, Function and Bioinformatics*, **2008**, 70, 300-2	4.2	12
32	Cysteine-Rich Peptide Family with Unusual Disulfide Connectivity from Jasminum sambac. *Journal of Natural Products*, **2015**, 78, 2791-9	4.9	10
31	Purification and structural characterization of the voltage-sensor domain of the hERG potassium channel. *Protein Expression and Purification*, **2012**, 86, 98-104	2	9
30	Structural basis for the conserved binding mechanism of MDM2-inhibiting peptides and anti-apoptotic Bcl-2 family proteins. *Biochemical and Biophysical Research Communications*, **2014**, 445, 120-5	3.4	8

29	The natively disordered loop of Bcl-2 undergoes phosphorylation-dependent conformational change and interacts with Pin1. *PLoS ONE*, **2012**, 7, e52047	3.7	8
28	Suprafenacine, an indazole-hydrazide agent, targets cancer cells through microtubule destabilization. *PLoS ONE*, **2014**, 9, e110955	3.7	8
27	Insight into the molecular interaction between the cyclic nucleotide-binding homology domain and the eag domain of the hERG channel. *FEBS Letters*, **2014**, 588, 2782-8	3.8	7
26	NMR assignments of the FK506-binding domain of FK506-binding protein 35 from Plasmodium vivax. *Biomolecular NMR Assignments*, **2009**, 3, 243-5	0.7	7
25	Solution structure of the cyclic-nucleotide binding homology domain of a KCNH channel. *Journal of Structural Biology*, **2014**, 186, 68-74	3.4	6
24	Crystal structure of the FK506 binding domain of human FKBP25 in complex with FK506. *Protein Science*, **2016**, 25, 905-10	6.3	6
23	Crystal structure of Plasmodium vivax FK506-binding protein 25 reveals conformational changes responsible for its noncanonical activity. *Proteins: Structure, Function and Bioinformatics*, **2014**, 82, 1235-44	4.2	5
22	High-resolution crystal structure of FKBP12 from Aedes aegypti. *Protein Science*, **2012**, 21, 1080-4	6.3	5
21	Solution structure of FK506-binding protein 12 from Aedes aegypti. *Proteins: Structure, Function and Bioinformatics*, **2012**, 80, 2476-81	4.2	5
20	Functional role of the flexible N-terminal extension of FKBP38 in catalysis. *Scientific Reports*, **2013**, 3, 2985	4.9	5
19	(1)H, (13)C and (15)N resonance assignments of human FK506 binding protein 25. *Biomolecular NMR Assignments*, **2015**, 9, 43-6	0.7	4
18	Molecular diversity and function of jasmintides from Jasminum sambac. *BMC Plant Biology*, **2018**, 18, 144	5.3	4
17	MOCVD Growth of High-Quality and Density-Tunable GaAs Nanowires on ITO Catalyzed by Au Nanoparticles Deposited by Centrifugation. *Nanoscale Research Letters*, **2015**, 10, 410	5	4
16	Benzofuran-based estrogen receptor □modulators as anti-cancer therapeutics: in silico and experimental studies. *Current Medicinal Chemistry*, **2013**, 20, 2820-37	4.3	4
15	Deposition of high-density Au nanoparticles on ITO glass by centrifugation. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	3
14	Combination of pharmacophore hypothesis and molecular docking to identify novel inhibitors of HCV NS5B polymerase. *Molecular Diversity*, **2015**, 19, 529-39	3.1	3
13	C-H□O hydrogen bonds in FK506-binding protein-ligand interactions. *Journal of Molecular Recognition*, **2013**, 26, 550-5	2.6	3
12	1H, 13C, and 15N resonance assignments of subunit F of the A(1)A (O) ATP synthase from Methanosarcina mazei G□. *Biomolecular NMR Assignments*, **2007**, 1, 23-5	0.7	3

11	□H, □□C and □N chemical shift assignments for the N-terminal PAS domain of the KCNH channel from zebrafish. *Biomolecular NMR Assignments*, **2014**, 8, 165-8	0.7	2
10	Expression, purification and characterization of C2 domain of milk fat globule-EGF-factor 8-L. *Protein Expression and Purification*, **2007**, 52, 329-33	2	2
9	Antiviral activity against Middle East Respiratory Syndrome coronavirus by Montelukast, an anti-asthma drug. *Antiviral Research*, **2021**, 185, 104996	10.8	2
8	Backbone □H, □□C and □N resonance assignments of human vaccinia-related kinase 1 (VRK1). *Biomolecular NMR Assignments*, **2014**, 8, 29-31	0.7	1
7	The NS5A Domain II of HCV: Conservation of Intrinsic Disorder in Several Genotypes **2011**, 409-424		1
6	1H, 13C, and 15N resonance assignments of FK506-binding domain of Plasmodium falciparum FKBP35. *Biomolecular NMR Assignments*, **2007**, 1, 27-8	0.7	1
5	Backbone 1H, 13C, and 15N resonance assignments of the N-terminal domain of FKBP38 (FKBP38NTD). *Journal of Biomolecular NMR*, **2006**, 36 Suppl 1, 37	3	1
4	Lipoxygenase Inhibitory Effects of Dibenzylbutane Lignans from the Seeds of Myristica fragrans (Nutmeg). *Bulletin of the Korean Chemical Society*, **2014**, 35, 3095-3098	1.2	1
3	Self-association and conformational variation of NS5A domain 1 of hepatitis C virus. *Journal of General Virology*, **2018**, 99, 194-208	4.9	1
2	Crystal structure of human vaccinia-related kinase 1 in complex with AMP-PNP, a non-hydrolyzable ATP analog. *Protein Science*, **2019**, 28, 524-532	6.3	1
1	Coherence-Tailored Multiwavelength High-Speed Quantitative Phase Imaging with a High Phase Stability via a Frequency Comb. *Advanced Photonics Research*, **2021**, 2, 2000088	1.9	1