

Kyeong Kyu Kim

List of Publications by Year in descending order

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165
papers

4,176
citations

136950

32
h-index

155660

55
g-index

171
all docs

171
docs citations

171
times ranked

5302
citing authors

#	ARTICLE	IF	CITATIONS
1	The crystal structure of a triacylglycerol lipase from <i>Pseudomonas cepacia</i> reveals a highly open conformation in the absence of a bound inhibitor. <i>Structure</i> , 1997, 5, 173-185.	3.3	301
2	Crystal structure of a junction between B-DNA and Z-DNA reveals two extruded bases. <i>Nature</i> , 2005, 437, 1183-1186.	27.8	261
3	EZH2 Generates a Methyl Degron that Is Recognized by the DCAF1/DDB1/CUL4 E3 Ubiquitin Ligase Complex. <i>Molecular Cell</i> , 2012, 48, 572-586.	9.7	200
4	Crystal structure of carboxylesterase from <i>Pseudomonas fluorescens</i> , an $\hat{1}\hat{2}$ hydrolase with broad substrate specificity. <i>Structure</i> , 1997, 5, 1571-1584.	3.3	109
5	Crystal Structure of Visfatin/Pre-B Cell Colony-enhancing Factor 1/Nicotinamide Phosphoribosyltransferase, Free and in Complex with the Anti-cancer Agent FK-866. <i>Journal of Molecular Biology</i> , 2006, 362, 66-77.	4.2	107
6	A poxvirus protein forms a complex with left-handed Z-DNA: Crystal structure of a Yatapoxvirus Z \hat{A} bound to DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14367-14372.	7.1	106
7	The crystal structure of the second Z-DNA binding domain of human DAI (ZBP1) in complex with Z-DNA reveals an unusual binding mode to Z-DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 20671-20676.	7.1	99
8	Evidence that vaccinia virulence factor E3L binds to Z-DNA in vivo: Implications for development of a therapy for poxvirus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1514-1518.	7.1	92
9	Intrinsic Z-DNA Is Stabilized by the Conformational Selection Mechanism of Z-DNA-Binding Proteins. <i>Journal of the American Chemical Society</i> , 2011, 133, 668-671.	13.7	92
10	Ubiquitin specific protease 4 positively regulates the WNT/ $\hat{1}$ $\hat{2}$ catenin signaling in colorectal cancer. <i>Molecular Oncology</i> , 2015, 9, 1834-1851.	4.6	90
11	The structures of non-CG-repeat Z-DNAs co-crystallized with the Z-DNA-binding domain, hZ $\hat{1}$ $\hat{2}$ ADAR1. <i>Nucleic Acids Research</i> , 2009, 37, 629-637.	14.5	67
12	NMR Spectroscopic Elucidation of the B \hat{A} \hat{Z} Transition of a DNA Double Helix Induced by the Z $\hat{1}$ $\hat{2}$ Domain of Human ADAR1. <i>Journal of the American Chemical Society</i> , 2009, 131, 11485-11491.	13.7	67
13	Structure-based development of a receptor activator of nuclear factor- $\hat{1}$ \hat{B} ligand (RANKL) inhibitor peptide and molecular basis for osteopetrosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20281-20286.	7.1	67
14	Z-DNA in the genome: from structure to disease. <i>Biophysical Reviews</i> , 2019, 11, 383-387.	3.2	65
15	Platinum Nanoparticles Encapsulated by Aminopeptidase: A Multifunctional Bioinorganic Nanohybrid Catalyst. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11924-11929.	13.8	60
16	DNA Sensing-Independent Inhibition of Herpes Simplex Virus 1 Replication by DAI/ZBP1. <i>Journal of Virology</i> , 2013, 87, 3076-3086.	3.4	58
17	Structural insights into the molecular mechanism of <i>Escherichia coli</i> SdiA, a quorum-sensing receptor. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 694-707.	2.5	55
18	The mutational landscape of ocular marginal zone lymphoma identifies frequent alterations in TNFAIP3 followed by mutations in TBL1XR1 and CREBBP. <i>Oncotarget</i> , 2017, 8, 17038-17049.	1.8	55

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19	Roles of Two-Component Systems in <i>Pseudomonas aeruginosa</i> Virulence. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12152.	4.1	51
20	Crystal structure of RseB and a model of its binding mode to RseA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8779-8784.	7.1	50
21	The Structural Basis for the Activation and Peptide Recognition of Bacterial ClpP. <i>Journal of Molecular Biology</i> , 2008, 379, 760-771.	4.2	49
22	Distinct Z-DNA binding mode of a PKR-like protein kinase containing a Z-DNA binding domain (PKZ). <i>Nucleic Acids Research</i> , 2014, 42, 5937-5948.	14.5	46
23	The FDA-approved anti-cancer drugs, streptozotocin and floxuridine, reduce the virulence of <i>Staphylococcus aureus</i> . <i>Scientific Reports</i> , 2018, 8, 2521.	3.3	45
24	A synthetic DNA-binding inhibitor of SOX2 guides human induced pluripotent stem cells to differentiate into mesoderm. <i>Nucleic Acids Research</i> , 2017, 45, 9219-9228.	14.5	44
25	Structural Basis for the Reaction Mechanism of UDP-Glucose Pyrophosphorylase. <i>Molecules and Cells</i> , 2010, 29, 397-406.	2.6	41
26	Structural basis for the substrate specificity of PepA from <i>Streptococcus pneumoniae</i> , a dodecameric tetrahedral protease. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 431-436.	2.1	41
27	Genome-wide analysis of regulatory G-quadruplexes affecting gene expression in human cytomegalovirus. <i>PLoS Pathogens</i> , 2018, 14, e1007334.	4.7	41
28	Coupling of radiofrequency with magnetic nanoparticles treatment as an alternative physical antibacterial strategy against multiple drug resistant bacteria. <i>Scientific Reports</i> , 2016, 6, 33662.	3.3	40
29	Single Molecule Visualization and Characterization of Sox2-Pax6 Complex Formation on a Regulatory DNA Element Using a DNA Origami Frame. <i>Nano Letters</i> , 2014, 14, 2286-2292.	9.1	38
30	Ubiquitin-specific protease 4 controls metastatic potential through β -catenin stabilization in brain metastatic lung adenocarcinoma. <i>Scientific Reports</i> , 2016, 6, 21596.	3.3	37
31	Base extrusion is found at helical junctions between right- and left-handed forms of DNA and RNA. <i>Nucleic Acids Research</i> , 2009, 37, 4353-4359.	14.5	36
32	Solution structure of the Z β domain of human DNA-dependent activator of IFN-regulatory factors and its binding modes to B- and Z-DNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6921-6926.	7.1	36
33	Pontin arginine methylation by CARM1 is crucial for epigenetic regulation of autophagy. <i>Nature Communications</i> , 2020, 11, 6297.	12.8	36
34	Structural and functional analyses of a bacterial homologue of hormone-sensitive lipase from a metagenomic library. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 1726-1737.	2.5	33
35	Crystallographic analysis and biochemical applications of a novel penicillin-binding protein/ β -lactamase homologue from a metagenomic library. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 2455-2466.	2.5	32
36	Structural and functional characterization of an Isd-type haem-degradation enzyme from <i>Listeria monocytogenes</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 615-626.	2.5	32

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37	A Selective Inhibitor of Ubiquitin-Specific Protease 4 Suppresses Colorectal Cancer Progression by Regulating β -Catenin Signaling. , 2019, 53, 157-171.		32
38	The crystal structure of Escherichia coli Spy. Protein Science, 2010, 19, 2252-2259.	7.6	31
39	Investigation of the heating properties of platinum nanoparticles under a radiofrequency current. International Journal of Hyperthermia, 2013, 29, 99-105.	2.5	30
40	Z-DNA Binding Proteins as Targets for Structure-Based Virtual Screening. Current Drug Targets, 2010, 11, 335-344.	2.1	29
41	Small molecule-induced cellular conversion. Chemical Society Reviews, 2017, 46, 6241-6254.	38.1	29
42	Ubiquitin-Specific Protease 21 Promotes Colorectal Cancer Metastasis by Acting as a Fra-1 Deubiquitinase. Cancers, 2020, 12, 207.	3.7	28
43	Proline Hinged Amphipathic α -Helical Peptide Sensitizes Gram-Negative Bacteria to Various Gram-Positive Antibiotics. Journal of Medicinal Chemistry, 2020, 63, 14937-14950.	6.4	27
44	Transition between B-DNA and Z-DNA: Free Energy Landscape for the B \rightarrow Z Junction Propagation. Journal of Physical Chemistry B, 2010, 114, 9872-9881.	2.6	26
45	Intracellular localization of human ZBP1: Differential regulation by the Z-DNA binding domain, Z β , in splice variants. Biochemical and Biophysical Research Communications, 2006, 348, 145-152.	2.1	25
46	Structural basis for the negative regulation of bacterial stress response by RseB. Protein Science, 2010, 19, 1258-1263.	7.6	25
47	Solution structure of the Z-DNA binding domain of PKR-like protein kinase from Carassius auratus and quantitative analyses of the intermediate complex during B \rightarrow Z transition. Nucleic Acids Research, 2016, 44, 2936-2948.	14.5	25
48	Sequence preference and structural heterogeneity of BZ junctions. Nucleic Acids Research, 2018, 46, 10504-10513.	14.5	25
49	Amyloid formation using 1-butyl-3-methyl-imidazolium-based ionic liquids. Analytical Biochemistry, 2011, 419, 354-356.	2.4	24
50	Novel Interaction of the Z-DNA Binding Domain of Human ADAR1 with the Oncogenic c-Myc Promoter G-Quadruplex. Journal of Molecular Biology, 2014, 426, 2594-2604.	4.2	24
51	Identification and Validation of an Antivirulence Agent Targeting HlyU-Regulated Virulence in Vibrio vulnificus. Frontiers in Cellular and Infection Microbiology, 2018, 8, 152.	3.9	24
52	Carboxylic Ester Hydrolases in Bacteria: Active Site, Structure, Function and Application. Crystals, 2019, 9, 597.	2.2	24
53	Alternative Enzyme Protection Assay To Overcome the Drawbacks of the Gentamicin Protection Assay for Measuring Entry and Intracellular Survival of Staphylococci. Infection and Immunity, 2019, 87, .	2.2	23
54	Chemical induced conversion of mouse fibroblasts and human adipose-derived stem cells into skeletal muscle-like cells. Biomaterials, 2019, 193, 30-46.	11.4	23

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55	Characterization, amyloid formation, and immobilization of a novel SGNH hydrolase from <i>Listeria innocua</i> 11262. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 103-111.	7.5	22
56	Targeting Mannitol Metabolism as an Alternative Antimicrobial Strategy Based on the Structure-Function Study of Mannitol-1-Phosphate Dehydrogenase in <i>Staphylococcus aureus</i> . <i>MBio</i> , 2019, 10, .	4.1	22
57	Crystal structure and functional characterization of a cold-active acetyl xylan esterase (PbAcE) from psychrophilic soil microbe <i>Paenibacillus</i> sp.. <i>PLoS ONE</i> , 2018, 13, e0206260.	2.5	21
58	Biodiesel and flavor compound production using a novel promiscuous cold-adapted SGNH-type lipase (HaSGNH1) from the psychrophilic bacterium <i>Halocynthiibacter arcticus</i> . <i>Biotechnology for Biofuels</i> , 2020, 13, 55.	6.2	21
59	The effect of protein shells on the antioxidant activity of protein-encapsulated platinum nanoparticles. <i>Journal of Materials Chemistry</i> , 2012, 22, 1774-1780.	6.7	20
60	Structural and functional studies of a large winged Z-DNA binding domain of <i>Danio rerio</i> protein kinase PKZ. <i>FEBS Letters</i> , 2016, 590, 2275-2285.	2.8	20
61	Identification, characterization, immobilization, and mutational analysis of a novel acetyl esterase with industrial potential (LaAcE) from <i>Lactobacillus acidophilus</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 197-210.	2.4	20
62	NMR Dynamics Study Reveals the Z-DNA Binding Domain of Human ADAR1 Associates with and Dissociates from Z-RNA More Slowly than Z-DNA. <i>ACS Chemical Biology</i> , 2019, 14, 245-255.	3.4	20
63	An Antibacterial Nanorobotic Approach for the Specific Targeting and Removal of Multiple Drug-Resistant <i>Staphylococcus aureus</i> . <i>Small</i> , 2021, 17, e2100257.	10.0	20
64	The Mechanism of Temperature-Induced Bacterial HtrA Activation. <i>Journal of Molecular Biology</i> , 2008, 377, 410-420.	4.2	19
65	The Z-DNA binding domain of human DAI binds to Z-DNA via a novel B-Z transition pathway. <i>FEBS Letters</i> , 2011, 585, 772-778.	2.8	19
66	Structural Studies on the Extracellular Domain of Sensor Histidine Kinase YycG from <i>Staphylococcus aureus</i> and Its Functional Implications. <i>Journal of Molecular Biology</i> , 2016, 428, 3074-3089.	4.2	19
67	Characterization of DNA-binding activity of Z-DNA binding domains from poxviruses and the importance of the -wing regions in converting B-DNA to Z-DNA. <i>Nucleic Acids Research</i> , 2007, 35, 7714-7720.	14.5	18
68	Solution structures of RseA and its complex with RseB. <i>Journal of Synchrotron Radiation</i> , 2008, 15, 219-222.	2.4	18
69	Crystal Structure of the LG3 Domain of Endorepellin, an Angiogenesis Inhibitor. <i>Journal of Molecular Biology</i> , 2011, 414, 231-242.	4.2	18
70	Size-controlled synthesis and characterization of CoPt nanoparticles using protein shells. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1453.	5.8	18
71	Structural and biochemical characterization of a carbohydrate acetyl esterase from <i>Sinorhizobium meliloti</i> 1021. <i>FEBS Letters</i> , 2015, 589, 117-122.	2.8	18
72	Characterization of a novel SGNH-type esterase from <i>Lactobacillus plantarum</i> . <i>International Journal of Biological Macromolecules</i> , 2017, 96, 560-568.	7.5	18

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73	Characterization and mutation analysis of a cold-active bacterial hormone-sensitive lipase from <i>Salinisphaera</i> sp. P7-4. <i>Archives of Biochemistry and Biophysics</i> , 2019, 663, 132-142.	3.0	17
74	Biochemical and Structural Analysis of a Novel Esterase from <i>Caulobacter crescentus</i> related to Penicillin-Binding Protein (PBP). <i>Scientific Reports</i> , 2016, 6, 37978.	3.3	16
75	Bioinorganic Nanohybrid Catalyst for Multistep Synthesis of Acetaminophen, an Analgesic. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30058-30065.	8.0	16
76	Chemical-induced formation of BZ-junction with base extrusion. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 1215-1220.	2.1	16
77	A peptide with alternating lysines can act as a highly specific Z-DNA binding domain. <i>Nucleic Acids Research</i> , 2006, 34, 4937-4942.	14.5	15
78	The Crystal Structure of Guamerin in Complex with Chymotrypsin and the Development of an Elastase-specific Inhibitor. <i>Journal of Molecular Biology</i> , 2008, 376, 184-192.	4.2	15
79	Structural and functional characterization of soluble endoglin receptor. <i>Biochemical and Biophysical Research Communications</i> , 2009, 383, 386-391.	2.1	15
80	Structural and Biochemical Characterization of an Octameric Carbohydrate Acetyltransferase from <i>Sinorhizobium meliloti</i> . <i>FEBS Letters</i> , 2016, 590, 1242-1252.	2.8	15
81	Unraveling the Regulatory G-Quadruplex Puzzle: Lessons From Genome and Transcriptome-Wide Studies. <i>Frontiers in Genetics</i> , 2019, 10, 1002.	2.3	15
82	Crystallization and preliminary X-ray crystallographic studies of the Z-DNA-binding domain of a PKR-like kinase (PKZ) in complex with Z-DNA. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 267-270.	0.7	14
83	Combining Protein-Shelled Platinum Nanoparticles with Graphene to Build a Bionanohybrid Capacitor. <i>ACS Nano</i> , 2014, 8, 12120-12129.	14.6	14
84	Structural Basis for the Enantioselectivity of Esterase Est-Y29 toward (<i>S</i>)-Ketoprofen. <i>ACS Catalysis</i> , 2019, 9, 755-767.	11.2	14
85	AC-motif: a DNA motif containing adenine and cytosine repeat plays a role in gene regulation. <i>Nucleic Acids Research</i> , 2021, 49, 10150-10165.	14.5	14
86	The crystal structure of the periplasmic domain of <i>Vibrio parahaemolyticus</i> CpxA. <i>Protein Science</i> , 2012, 21, 1334-1343.	7.6	13
87	Interaction of TIF-90 and filamin A in the regulation of rRNA synthesis in leukemic cells. <i>Blood</i> , 2014, 124, 579-589.	1.4	13
88	Structural and kinetic bases for the metal preference of the M18 aminopeptidase from <i>Pseudomonas aeruginosa</i> . <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 101-107.	2.1	13
89	Contribution of SLC22A12 on hypouricemia and its clinical significance for screening purposes. <i>Scientific Reports</i> , 2019, 9, 14360.	3.3	13
90	Disulfide Bond as a Structural Determinant of Prion Protein Membrane Insertion. <i>Molecules and Cells</i> , 2009, 27, 673-680.	2.6	12

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91	Enhanced SUMOylation of proteins containing a SUMO-interacting motif by SUMO-Ubc9 fusion. <i>Biochemical and Biophysical Research Communications</i> , 2009, 388, 41-45.	2.1	12
92	One-step immobilization and purification of his-tagged enzyme using poly(2-acetamidoacrylic acid) hydrogel. <i>Macromolecular Research</i> , 2013, 21, 5-9.	2.4	12
93	Preparation of cobalt nanoparticles from polymorphic bacterial templates: A novel platform for biocatalysis. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 747-753.	7.5	12
94	The effect of hairpin loop on the structure and gene expression activity of the long-loop G-quadruplex. <i>Nucleic Acids Research</i> , 2021, 49, 10689-10706.	14.5	12
95	Analyzing the Interaction of RseA and RseB, the Two Negative Regulators of the σ^E Envelope Stress Response, Using a Combined Bioinformatic and Experimental Strategy. <i>Journal of Biological Chemistry</i> , 2009, 284, 5403-5413.	3.4	11
96	Energetics of Z-DNA Binding Protein-Mediated Helicity Reversals in DNA, RNA, and DNA-RNA Duplexes. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13866-13871.	2.6	11
97	Total Synthesis of Xanthoangelol B and Its Various Fragments: Toward Inhibition of Virulence Factor Production of <i>Staphylococcus aureus</i> . <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10473-10487.	6.4	11
98	Structural and functional characterization of a novel cold-active S-formylglutathione hydrolase (SfSFGH) homolog from <i>Shewanella frigidimarina</i> , a psychrophilic bacterium. <i>Microbial Cell Factories</i> , 2019, 18, 140.	4.0	11
99	Characterization and Immobilization of a Novel SGNH Family Esterase (LaSGNH1) from <i>Lactobacillus acidophilus</i> NCFM. <i>International Journal of Molecular Sciences</i> , 2020, 21, 91.	4.1	11
100	Inhibition of master transcription factors in pluripotent cells induces early stage differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1778-1783.	7.1	10
101	Ubiquitin-specific protease 4 (USP4) suppresses myoblast differentiation by down regulating MyoD activity in a catalytic-independent manner. <i>Cellular Signalling</i> , 2017, 35, 48-60.	3.6	10
102	A novel enantioselective SGNH family esterase (NmSGNH1) from <i>Neisseria meningitidis</i> : Characterization, mutational analysis, and ester synthesis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1438-1448.	2.4	10
103	Molecular Characterization of a Novel Cold-Active Hormone-Sensitive Lipase (HaHSL) from <i>Halocynthiaibacter Arcticus</i> . <i>Biomolecules</i> , 2019, 9, 704.	4.0	10
104	Molecular Characterization of a Novel Family VIII Esterase with β^2 -Lactamase Activity (PsEstA) from <i>Paenibacillus</i> sp.. <i>Biomolecules</i> , 2019, 9, 786.	4.0	10
105	An ubiquitin-binding molecule can work as an inhibitor of ubiquitin processing enzymes and ubiquitin receptors. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 33-39.	2.1	9
106	Structural and functional study of ChuY from <i>Escherichia coli</i> strain CFT073. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 1176-1182.	2.1	9
107	Identification and Crystallographic Analysis of a New Carbohydrate Acetyltransferase (SmAcE1) from <i>Sinorhizobium meliloti</i> . <i>Crystals</i> , 2018, 8, 12.	2.2	9
108	Functional Identification of Serine Hydroxymethyltransferase as a Key Gene Involved in Lysostaphin Resistance and Virulence Potential of <i>Staphylococcus aureus</i> Strains. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9135.	4.1	9

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109	Synthesis and electric characterization of protein-shelled CdSe quantum dots. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2412.	5.5	8
110	Identification, characterization, and immobilization of a novel YbF esterase from <i>Halomonas elongata</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 165, 1139-1148.	7.5	8
111	Genome-Wide Analysis of <i>Staphylococcus aureus</i> Sequence Type 72 Isolates Provides Insights Into Resistance Against Antimicrobial Agents and Virulence Potential. <i>Frontiers in Microbiology</i> , 2020, 11, 613800.	3.5	8
112	FtsH Sensitizes Methicillin-Resistant <i>Staphylococcus aureus</i> to β -Lactam Antibiotics by Degrading YpfP, a Lipoteichoic Acid Synthesis Enzyme. <i>Antibiotics</i> , 2021, 10, 1198.	3.7	8
113	Purification, crystallization and preliminary crystallographic analysis of Est-Y29: a novel oligomeric β -lactamase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009, 65, 310-312.	0.7	7
114	Crystal structure of <i>Streptococcus pneumoniae</i> Sp1610, a putative tRNA methyltransferase, in complex with S-adenosylmethionine. <i>Protein Science</i> , 2010, 19, 617-624.	7.6	7
115	Combining Suppression of Stemness with Lineage-Specific Induction Leads to Conversion of Pluripotent Cells into Functional Neurons. <i>Chemistry and Biology</i> , 2015, 22, 1512-1520.	6.0	7
116	Examining cooperative binding of Sox2 on DC5 regulatory element upon complex formation with Pax6 through excess electron transfer assay. <i>Nucleic Acids Research</i> , 2016, 44, e125-e125.	14.5	7
117	Characterization, immobilization, and mutagenesis of a novel cold-active acetyltransferase (EaAcE) from <i>Exiguobacterium antarcticum</i> B7. <i>International Journal of Biological Macromolecules</i> , 2019, 136, 1042-1051.	7.5	7
118	Computational Approaches to Predict the Non-canonical DNAs. <i>Current Bioinformatics</i> , 2019, 14, 470-479.	1.5	7
119	Analysis of Novel Drug-Resistant Human Cytomegalovirus DNA Polymerase Mutations Reveals the Role of a DNA-Binding Loop in Phosphonoformic Acid Resistance. <i>Frontiers in Microbiology</i> , 2022, 13, 771978.	3.5	7
120	Functional and Structural Changes in the Membrane-Bound O-Acyltransferase Family Member 7 (MBOAT7) Protein: The Pathomechanism of a Novel MBOAT7 Variant in Patients With Intellectual Disability. <i>Frontiers in Neurology</i> , 2022, 13, 836954.	2.4	7
121	Crystal structure of the mouse p53 core domain in zinc-free state. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 70, 280-283.	2.6	6
122	Identification, crystallization and preliminary X-ray diffraction analysis of esterase A from <i>Caulobacter crescentus</i> CB15, a family VIII lipolytic enzyme. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 560-564.	0.7	6
123	Radiofrequency treatment enhances the catalytic function of an immobilized nanobiohybrid catalyst. <i>Nanoscale</i> , 2014, 6, 6009-6017.	5.6	6
124	Identification of 2,4-Dihydroxychalcone as an Antivirulence Agent Targeting HlyU, a Master Virulence Regulator in <i>Vibrio vulnificus</i> . <i>Molecules</i> , 2018, 23, 1492.	3.8	6
125	Exosome-Mediated Differentiation of Mouse Embryonic Fibroblasts and Exocrine Cells into β -Like Cells and the Identification of Key miRNAs for Differentiation. <i>Biomedicines</i> , 2020, 8, 485.	3.2	6
126	Design of a RANK-Mimetic Peptide Inhibitor of Osteoclastogenesis with Enhanced RANKL-Binding Affinity. <i>Molecules and Cells</i> , 2016, 39, 316-321.	2.6	6

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127	Distinct Rayleigh Scattering from Hot Spot Mutant p53 Proteins Reveals Cancer Cells. <i>Small</i> , 2014, 10, 2954-2962.	10.0	5
128	Improved differentiation of human adipose stem cells to insulin-producing β -like cells using PDGFR kinase inhibitor Tyrphostin9. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 132-138.	2.1	5
129	Generation of a Pure Culture of Neuron-like Cells with a Glutamatergic Phenotype from Mouse Astrocytes. <i>Biomedicines</i> , 2022, 10, 928.	3.2	5
130	Structures of <i>Staphylococcus aureus</i> peptide deformylase in complex with two classes of new inhibitors. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 784-793.	2.5	4
131	Structure-based elucidation of the regulatory mechanism for aminopeptidase activity. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 1738-1747.	2.5	4
132	Identification and Crystallization of Penicillin-Binding Protein/ β -Lactamase Homolog (Rp46) from <i>Ruegeria Pomeroyi</i> . <i>Crystals</i> , 2017, 7, 6.	2.2	4
133	Editorial: Special issue of <i>Biophysical Reviews</i> dedicated to the joint 10th Asian Biophysics Association Symposium and 42nd Australian Society for Biophysics Meeting, Melbourne, Australia, December 2016, 2018. <i>Biophysical Reviews</i> , 2019, 11, 245-247.	3.2	4
134	Suppression of the Ubiquitin Pathway by Small Molecule Binding to Ubiquitin Enhances Doxorubicin Sensitivity of the Cancer Cells. <i>Molecules</i> , 2019, 24, 1073.	3.8	4
135	Discovery of Natural Compounds Promoting Cardiomyocyte Differentiation. <i>Stem Cells and Development</i> , 2019, 28, 13-27.	2.1	4
136	Sphingosylphosphorylcholine blocks ovariectomy-induced bone loss by suppressing Ca ²⁺ /calmodulin-mediated osteoclast differentiation. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 473-483.	3.6	4
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