

Seokhee Kim

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,381
citations

567281

15
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

1790
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of a Multicomponent Complex Required for Outer Membrane Biogenesis in <i>Escherichia coli</i> . <i>Cell</i> , 2005, 121, 235-245.	28.9	656
2	New developments in RiPP discovery, enzymology and engineering. <i>Natural Product Reports</i> , 2021, 38, 130-239.	10.3	412
3	Structure and Function of an Essential Component of the Outer Membrane Protein Assembly Machine. <i>Science</i> , 2007, 317, 961-964.	12.6	327
4	YfiO stabilizes the YaeT complex and is essential for outer membrane protein assembly in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2006, 61, 151-164.	2.5	278
5	Reconstitution of Outer Membrane Protein Assembly from Purified Components. <i>Science</i> , 2010, 328, 890-892.	12.6	243
6	Covalent Linkage of Distinct Substrate Degrons Controls Assembly and Disassembly of DegP Proteolytic Cages. <i>Cell</i> , 2011, 145, 67-78.	28.9	81
7	Cage assembly of DegP protease is not required for substrate-dependent regulation of proteolytic activity or high-temperature cell survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7263-7268.	7.1	51
8	Enzymatic Cross-Linking of Side Chains Generates a Modified Peptide with Four Hairpin-like Bicyclic Repeats. <i>Biochemistry</i> , 2017, 56, 4927-4930.	2.5	42
9	In vivo hypermutation and continuous evolution. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	21.2	39
10	Genome Mining Reveals High Topological Diversity of γ-Ester-Containing Peptides and Divergent Evolution of ATP-Grasp Macrocyclases. <i>Journal of the American Chemical Society</i> , 2020, 142, 3013-3023.	13.7	37
11	Gene-specific mutagenesis enables rapid continuous evolution of enzymes <i>in vivo</i> . <i>Nucleic Acids Research</i> , 2021, 49, e32-e32.	14.5	37
12	A Conserved Activation Cluster Is Required for Allosteric Communication in HtrA-Family Proteases. <i>Structure</i> , 2015, 23, 517-526.	3.3	32
13	Distinct regulatory mechanisms balance DegP proteolysis to maintain cellular fitness during heat stress. <i>Genes and Development</i> , 2014, 28, 902-911.	5.9	29
14	A Topologically Distinct Modified Peptide with Multiple Bicyclic Core Motifs Expands the Diversity of Microviridin-Like Peptides. <i>ChemBioChem</i> , 2019, 20, 1051-1059.	2.6	29
15	Introduction of Bifunctionality into the Multidomain Architecture of the γ-Ester-Containing Peptide Plesiocin. <i>Biochemistry</i> , 2020, 59, 285-289.	2.5	20
16	Over-activation of a nonessential bacterial protease DegP as an antibiotic strategy. <i>Communications Biology</i> , 2020, 3, 547.	4.4	20
17	Molecular mechanism underlying substrate recognition of the peptide macrocyclase PsnB. <i>Nature Chemical Biology</i> , 2021, 17, 1123-1131.	8.0	18
18	Bioinformatic Expansion of Borosins Uncovers Trans-Acting Peptide Backbone N-Methyltransferases in Bacteria. <i>Biochemistry</i> , 2022, 61, 183-194.	2.5	11

#	ARTICLE	IF	CITATIONS
19	Development of a genome-targeting mutator for the adaptive evolution of microbial cells. <i>Nucleic Acids Research</i> , 2022, 50, e38-e38.	14.5	7
20	A Small Periplasmic Protein with a Hydrophobic C-Terminal Residue Enhances DegP Proteolysis as a Suicide Activator. <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	6
21	Tripodal Lipoprotein Variants with C-Terminal Hydrophobic Residues Allosterically Modulate Activity of the DegP Protease. <i>Journal of Molecular Biology</i> , 2017, 429, 3090-3101.	4.2	5
22	Identification of Nucleophilic Probes for Protease-Mediated Transpeptidation. <i>Molecules</i> , 2018, 23, 2109.	3.8	1