Hyun Soo Lee

List of Publications by Year
in descending order

35 papers	1,215 citations	516710 16 h-index	377865 34 g-index
36 all docs	36 docs citations	36 times ranked	1360 citing authors

#	Article	IF	Citations
1	Engineering Translation Components for Genetic Code Expansion. Journal of Molecular Biology, 2022, 434, 167302.	4.2	6
2	Efficient Preparation and Bioactivity Evaluation of Glycan-Defined Glycoproteins. ACS Chemical Biology, 2021, 16, 1930-1940.	3.4	6
3	Conversion of Racemic Unnatural Amino Acids to Optically Pure Forms by a Coupled Enzymatic Reaction. Molecules, 2021, 26, 1274.	3.8	1
4	Real-Time Spatial and Temporal Analysis of the Translocation of the Apoptosis-Inducing Factor in Cells. ACS Chemical Biology, 2021, 16, 2462-2471.	3.4	6
5	Evaluation of the Interaction between Bax and Hsp70 in Cells by Using a FRET System Consisting of a Fluorescent Amino Acid and YFP as a FRET Pair. ChemBioChem, 2020, 21, 59-63.	2.6	13
6	Metal-Mediated Protein Assembly Using a Genetically Incorporated Metal-Chelating Amino Acid. Biomacromolecules, 2020, 21, 5021-5028.	5.4	6
7	Development of specific<scp>l</scp>-methionine sensors by FRET-based protein engineering. RSC Advances, 2019, 9, 15648-15656.	3.6	4
8	Analysis of Proteinâ€“Protein Interaction in a Single Live Cell by Using a FRET System Based on Genetic Code Expansion Technology. Journal of the American Chemical Society, 2019, 141, 4273-4281.	13.7	37
9	Construction of Bacterial Cells with an Active Transport System for Unnatural Amino Acids. ACS Synthetic Biology, 2019, 8, 1195-1203.	3.8	13
10	Truncated TALE-FP as DNA Staining Dye in a High-salt Buffer. Scientific Reports, 2019, 9, 17197.	3.3	9
11	Genetic incorporation of<scp>l</scp>-dihydroxyphenylalanine (DOPA) biosynthesized by a tyrosine phenol-lyase. Chemical Communications, 2018, 54, 3002-3005.	4.1	46
12	A Glycoengineered Enzyme with Multiple Mannose-6-Phosphates Is Internalized into Diseased Cells to Restore Its Activity in Lysosomes. Cell Chemical Biology, 2018, 25, 1255-1267.e8.	5.2	29
13	Genetic Incorporation of Biosynthesized L-dihydroxyphenylalanine (DOPA) and Its Application to Protein Conjugation. Journal of Visualized Experiments, 2018, , .	0.3	1
14	Engineering a periplasmic binding protein for amino acid sensors with improved binding properties. Organic and Biomolecular Chemistry, 2017, 15, 8761-8769.	2.8	25
15	Investigation of various fluorescent proteinâ€“DNA binding peptides for effectively visualizing large DNA molecules. RSC Advances, 2016, 6, 46291-46298.	3.6	16
16	Direct proteinâ€“protein conjugation by genetically introducing bioorthogonal functional groups into proteins. Bioorganic and Medicinal Chemistry, 2016, 24, 5816-5822.	3.0	13
17	Genetically encoded FRET sensors using a fluorescent unnatural amino acid as a FRET donor. RSC Advances, 2016, 6, 78661-78668.	3.6	19
18	Efficient and Site-specific Antibody Labeling by Strain-promoted Azide-alkyne Cycloaddition. Journal of Visualized Experiments, 2016, , .	0.3	4

#	Article	IF	Citations
19	DNA binding fluorescent proteins for the direct visualization of large DNA molecules. Nucleic Acids Research, 2016, 44, e6-e6.	14.5	24
20	Genetic incorporation of recycled unnatural amino acids. Amino Acids, 2016, 48, 357-363.	2.7	8
21	Efficient and Siteâ€Specific Antibody Labeling by Strainâ€promoted Azideâ€“Alkyne Cycloaddition. Bulletin of the Korean Chemical Society, 2015, 36, 2352-2354.	1.9	1
22	F-18 Labeled RGD Probes Based on Bioorthogonal Strain-Promoted Click Reaction for PET Imaging. ACS Medicinal Chemistry Letters, 2015, 6, 402-407.	2.8	35
23	FRET-based analysis of protein-nucleic acid interactions by genetically incorporating a fluorescent amino acid. Amino Acids, 2015, 47, 729-734.	2.7	12
24	Evolution of Iron(II)â€Finger Peptides by Using a Bipyridyl Amino Acid. ChemBioChem, 2014, 15, 822-825.	2.6	35
25	Mass spectrometric investigation of the role of the linking polypeptide chain in DNA polymerase I. Analyst, The, 2014, 139, 2432-2439.	3.5	6
26	Genetic incorporation of unnatural amino acids biosynthesized from Î±-keto acids by an aminotransferase. Chemical Science, 2014, 5, 1881.	7.4	25
27	A fluorescence-based glycosyltransferase assay for high-throughput screening. Bioorganic and Medicinal Chemistry, 2014, 22, 2571-2575.	3.0	17
28	A Genetically Encoded Fluorescent Probe in Mammalian Cells. Journal of the American Chemical Society, 2013, 135, 12540-12543.	13.7	169
29	Development of a Simple Method for Protein Conjugation by Copper-Free Click Reaction and Its Application to Antibody-Free Western Blot Analysis. Bioconjugate Chemistry, 2012, 23, 2256-2261.	3.6	31
30	Metal ion affinity purification of proteins by genetically incorporating metal-chelating amino acids. Tetrahedron, 2012, 68, 4649-4654.	1.9	17
31	Evolution of Amber Suppressor tRNAs for Efficient Bacterial Production of Proteins Containing Nonnatural Amino Acids. Angewandte Chemie - International Edition, 2009, 48, 9148-9151.	13.8	140
32	Proteinâ€“DNA photo-crosslinking with a genetically encoded benzophenone-containing amino acid. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 5222-5224.	2.2	42
33	Genetic Incorporation of a Small, Environmentally Sensitive, Fluorescent Probe into Proteins in Saccharomyces cerevisiae. Journal of the American Chemical Society, 2009, 131, 12921-12923.	13.7	183
34	Genetic Incorporation of a Metal-Ion Chelating Amino Acid into Proteins as a Biophysical Probe. Journal of the American Chemical Society, 2009, 131, 2481-2483.	13.7	114
35	Biosynthesis of a Site-Specific DNA Cleaving Protein. Journal of the American Chemical Society, 2008, 130, 13194-13195.	13.7	86