

# Sung In Lim

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

562  
citations

623734

14  
h-index

642732

23  
g-index

27  
all docs

27  
docs citations

27  
times ranked

752  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioinspired tunable hydrogels: An update on methods of preparation, classification, and biomedical and therapeutic applications. <i>International Journal of Pharmaceutics</i> , 2022, 612, 121368.	5.2	15
2	An albumin scaffold grafted with an alpha-helical motif delivers therapeutic payloads by modular coiled-coil assembly. <i>International Journal of Biological Macromolecules</i> , 2022, 205, 376-384.	7.5	1
3	Plant extract-based synthesis of metallic nanomaterials, their applications, and safety concerns. <i>Biotechnology and Bioengineering</i> , 2022, 119, 2273-2304.	3.3	13
4	Nanotechnology as a Promising Platform for Rheumatoid Arthritis Management: Diagnosis, Treatment, and Treatment Monitoring. <i>International Journal of Pharmaceutics</i> , 2021, 609, 121137.	5.2	5
5	Preparation of High-Performance Polyethersulfone/Cellulose Nanocrystal Nanocomposite Fibers via Dry-Jet Wet Spinning. <i>Macromolecular Research</i> , 2021, 29, 33-39.	2.4	9
6	Site-specific bioconjugation and self-assembly technologies for multi-functional biologics: on the road to the clinic. <i>Drug Discovery Today</i> , 2020, 25, 168-176.	6.4	13
7	Albumin: An Emerging Opportunity in Drug Delivery. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 985-995.	2.6	38
8	Site-specific proximity ligation provides molecular insights into biologically relevant interfaces of protein-protein interaction. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 932-937.	2.1	3
9	Fine-tuning bispecific therapeutics. , 2020, 212, 107582.		7
10	Conjugation of Cell-Penetrating Peptides to Antimicrobial Peptides Enhances Antibacterial Activity. <i>ACS Omega</i> , 2019, 4, 15694-15701.	3.5	79
11	Enhanced expression of soluble antibody fragments by low-temperature and overdosing with a nitrogen source. <i>Enzyme and Microbial Technology</i> , 2018, 115, 9-15.	3.2	9
12	Self-assembled protein nanocarrier for intracellular delivery of antibody. <i>Journal of Controlled Release</i> , 2017, 249, 1-10.	9.9	48
13	Generation of therapeutic protein variants with the human serum albumin binding capacity via site-specific fatty acid conjugation. <i>Scientific Reports</i> , 2017, 7, 18041.	3.3	32
14	Controlled Orientation of Active Sites in a Nanostructured Multienzyme Complex. <i>Scientific Reports</i> , 2016, 6, 39587.	3.3	16
15	Site-Specific Albumination as an Alternative to PEGylation for the Enhanced Serum Half-Life in Vivo. <i>Biomacromolecules</i> , 2016, 17, 1811-1817.	5.4	21
16	Site-specific fluorescent labeling to visualize membrane translocation of a myristoyl switch protein. <i>Scientific Reports</i> , 2016, 6, 32866.	3.3	12
17	Bioconjugation of therapeutic proteins and enzymes using the expanded set of genetically encoded amino acids. <i>Critical Reviews in Biotechnology</i> , 2016, 36, 803-815.	9.0	19
18	Site-Specific Bioconjugation of an Organometallic Electron Mediator to an Enzyme with Retained Photocatalytic Cofactor Regenerating Capacity and Enzymatic Activity. <i>Molecules</i> , 2015, 20, 5975-5986.	3.8	8

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19	Tailoring the Substrate Specificity of Yeast Phenylalanyl-tRNA Synthetase toward a Phenylalanine Analog Using Multiple-Site-Specific Incorporation. <i>ACS Synthetic Biology</i> , 2015, 4, 634-643.	3.8	13
20	Manipulating the substrate specificity of murine dihydrofolate reductase enzyme using an expanded set of amino acids. <i>Biochemical Engineering Journal</i> , 2015, 99, 85-92.	3.6	5
21	Site-specific albumination of a therapeutic protein with multi-subunit to prolong activity in vivo. <i>Journal of Controlled Release</i> , 2015, 207, 93-100.	9.9	42
22	Double clicking for site-specific coupling of multiple enzymes. <i>Chemical Communications</i> , 2015, 51, 13607-13610.	4.1	18
23	Site-Specific Bioconjugation of a Murine Dihydrofolate Reductase Enzyme by Copper(I)-Catalyzed Azide-Alkyne Cycloaddition with Retained Activity. <i>PLoS ONE</i> , 2014, 9, e98403.	2.5	34
24	Site-specific fatty acid-conjugation to prolong protein half-life in vivo. <i>Journal of Controlled Release</i> , 2013, 170, 219-225.	9.9	45
25	Non-Natural Amino Acids for Protein Engineering and New Protein Chemistries. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1295-1301.	2.2	21
26	Cobalt(III)-induced hexamerization of PEGylated insulin. <i>International Journal of Biological Macromolecules</i> , 2011, 49, 832-837.	7.5	2
27	Lagging Strand-Biased Initiation of Red Recombination by Linear Double-Stranded DNAs. <i>Journal of Molecular Biology</i> , 2008, 384, 1098-1105.	4.2	34