

Inchan Kwon

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,318
citations

394286

19
h-index

377752

34
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60
all docs

60
docs citations

60
times ranked

1667
citing authors

#	ARTICLE	IF	CITATIONS
1	Repeated Recovery of Rare Earth Elements Using a Highly Selective and Thermo-responsive Genetically Encoded Polypeptide. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	13
2	Repeated Recovery of Rare Earth Elements Using a Highly Selective and Thermo-responsive Genetically Encoded Polypeptide (<i>Adv. Funct. Mater.</i> 13/2022). <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	0
3	Effect of C-terminus Conjugation via Different Conjugation Chemistries on In Vivo Activity of Albumin-Conjugated Recombinant GLP-1. <i>Pharmaceutics</i> , 2021, 13, 263.	2.0	2
4	Multivalent Albumin-Neonatal Fc Receptor Interactions Mediate a Prominent Extension of the Serum Half-Life of a Therapeutic Protein. <i>Molecular Pharmaceutics</i> , 2021, 18, 2397-2405.	2.3	7
5	Nano-Entrapping Multiple Oxidoreductases and Cofactor for All-In-One Nanoreactors. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6741-6747.	3.2	9
6	Thermostable and Long-Circulating Albumin-Conjugated <i>Arthrobacter globiformis</i> Urate Oxidase. <i>Pharmaceutics</i> , 2021, 13, 1298.	2.0	4
7	Chemical Modification of Cysteine with 3-Arylpropionitrile Improves the In Vivo Stability of Albumin-Conjugated Urate Oxidase Therapeutic Protein. <i>Biomedicines</i> , 2021, 9, 1334.	1.4	1
8	Improving cancer therapy through the nanomaterials-assisted alleviation of hypoxia. <i>Biomaterials</i> , 2020, 228, 119578.	5.7	157
9	Temporal Control of Efficient <i>In Vivo</i> Bioconjugation Using a Genetically Encoded Tetrazine-Mediated Inverse-Electron-Demand Diels-Alder Reaction. <i>Bioconjugate Chemistry</i> , 2020, 31, 2456-2464.	1.8	9
10	Intramolecular distance in the conjugate of urate oxidase and fatty acid governs FcRn binding and serum half-life in vivo. <i>Journal of Controlled Release</i> , 2020, 321, 49-58.	4.8	15
11	The Minimal Effect of Linker Length for Fatty Acid Conjugation to a Small Protein on the Serum Half-Life Extension. <i>Biomedicines</i> , 2020, 8, 96.	1.4	6
12	Albumin affibody-outfitted injectable gel enabling extended release of urate oxidase-albumin conjugates for hyperuricemia treatment. <i>Journal of Controlled Release</i> , 2020, 324, 532-544.	4.8	17
13	Enhanced production of Dopa-incorporated mussel adhesive protein using engineered translational machineries. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1961-1969.	1.7	7
14	Pluronic-Based Nanocarrier Platform Encapsulating Two Enzymes for Cascade Reactions. <i>ACS Applied Bio Materials</i> , 2020, 3, 5126-5135.	2.3	10
15	Recombinant Peptide Production Platform Coupled with Site-Specific Albumin Conjugation Enables a Convenient Production of Long-Acting Therapeutic Peptide. <i>Pharmaceutics</i> , 2020, 12, 364.	2.0	14
16	Co-delivery of therapeutic protein and catalase-mimic nanoparticle using a biocompatible nanocarrier for enhanced therapeutic effect. <i>Journal of Controlled Release</i> , 2019, 309, 181-189.	4.8	28
17	Purification-free, Target-selective Immobilization of a Protein from Cell Lysates. <i>Biotechnology Journal</i> , 2018, 13, e1700739.	1.8	8
18	Efficient loading of ophthalmic drugs with poor loadability into contact lenses using functional comonomers. <i>Biomaterials Science</i> , 2018, 6, 2639-2646.	2.6	15

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19	Comparative studies of the serum half-life extension of a protein <i>via</i> site-specific conjugation to a species-matched or -mismatched albumin. <i>Biomaterials Science</i> , 2018, 6, 2092-2100.	2.6	11
20	Bioengineered robust hybrid hydrogels enrich the stability and efficacy of biological drugs. <i>Journal of Controlled Release</i> , 2017, 267, 119-132.	4.8	38
21	Synergistic Degradation of a Hyperuricemia-Causing Metabolite Using One-Pot Enzyme-Nanozyme Cascade Reactions. <i>Scientific Reports</i> , 2017, 7, 44330.	1.6	16
22	Modified hydrogels based on poly(2-hydroxyethyl methacrylate) (pHEMA) with higher surface wettability and mechanical properties. <i>Macromolecular Research</i> , 2017, 25, 704-711.	1.0	27
23	Bioconjugation and Active Site Design of Enzymes Using Non-natural Amino Acids. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 6535-6547.	1.8	9
24	Expression and characterization of <i>Pantoea</i> CO dehydrogenase to utilize CO-containing industrial waste gas for expanding the versatility of CO dehydrogenase. <i>Scientific Reports</i> , 2017, 7, 44323.	1.6	15
25	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.	1.6	32
26	Controlled Orientation of Active Sites in a Nanostructured Multienzyme Complex. <i>Scientific Reports</i> , 2016, 6, 39587.	1.6	16
27	Site-Specific Albumination as an Alternative to PEGylation for the Enhanced Serum Half-Life in Vivo. <i>Biomacromolecules</i> , 2016, 17, 1811-1817.	2.6	21
28	Ocular Drug Delivery through pHEMA-Hydrogel Contact Lenses Co-Loaded with Lipophilic Vitamins. <i>Scientific Reports</i> , 2016, 6, 34194.	1.6	51
29	Site-specific fluorescent labeling to visualize membrane translocation of a myristoyl switch protein. <i>Scientific Reports</i> , 2016, 6, 32866.	1.6	12
30	Expansion of bioorthogonal chemistries towards site-specific polymer-protein conjugation. <i>Polymer Chemistry</i> , 2016, 7, 4584-4598.	1.9	19
31	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.	5.1	19
32	Investigation of the effect of erythrosine B on amyloid beta peptide using molecular modeling. <i>Journal of Molecular Modeling</i> , 2016, 22, 92.	0.8	14
33	Positional effects of hydrophobic non-natural amino acid mutagenesis into the surface region of murine dihydrofolate reductase on enzyme properties. <i>Biochemical Engineering Journal</i> , 2016, 109, 1-8.	1.8	2
34	Forced Ambiguity of the Leucine Codons for Multiple-Site-Specific Incorporation of a Noncanonical Amino Acid. <i>PLoS ONE</i> , 2016, 11, e0152826.	1.1	7
35	Bioorthogonal Modification of Proteins Using Genetically Encoded Non-Natural Amino Acids. <i>Current Organic Chemistry</i> , 2016, 20, 1232-1242.	0.9	4
36	Oral Triphenylmethane Food Dye Analog, Brilliant Blue G, Prevents Neuronal Loss in APPSwDI/NOS2-/- Mouse Model. <i>Current Alzheimer Research</i> , 2016, 13, 663-77.	0.7	4

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37	Effects of Non-Natural Amino Acid Incorporation into the Enzyme Core Region on Enzyme Structure and Function. <i>International Journal of Molecular Sciences</i> , 2015, 16, 22735-22753.	1.8	4
38	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.	1.7	8
39	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.	1.9	13
40	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.	1.8	5
41	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.	4.8	42
42	Double clicking for site-specific coupling of multiple enzymes. <i>Chemical Communications</i> , 2015, 51, 13607-13610.	2.2	18
43	Determining binding sites of polycyclic aromatic small molecule-based amyloid-beta peptide aggregation modulators using sequence-specific antibodies. <i>Analytical Biochemistry</i> , 2015, 470, 61-70.	1.1	9
44	Cis- α -suppression to arrest protein aggregation in mammalian cells. <i>Biotechnology and Bioengineering</i> , 2014, 111, 462-474.	1.7	10
45	Development of the radical-stable <i>Coprinus cinereus</i> peroxidase (CiP) by blocking the radical attack. <i>Journal of Biotechnology</i> , 2014, 189, 78-85.	1.9	7
46	Suppressing mutation-induced protein aggregation in mammalian cells by mutating residues significantly displaced upon the original mutation. <i>Biochemical Engineering Journal</i> , 2014, 91, 196-203.	1.8	5
47	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.	1.1	34
48	Site-specific fatty acid-conjugation to prolong protein half-life in vivo. <i>Journal of Controlled Release</i> , 2013, 170, 219-225.	4.8	45
49	Different Fates of Alzheimer's Disease Amyloid- β^2 Fibrils Remodeled by Biocompatible Small Molecules. <i>Biomacromolecules</i> , 2013, 14, 264-274.	2.6	29
50	Non-Natural Amino Acids for Protein Engineering and New Protein Chemistries. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1295-1301.	1.1	21
51	Controlling enzyme inhibition using an expanded set of genetically encoded amino acids. <i>Biotechnology and Bioengineering</i> , 2013, 110, 2361-2370.	1.7	20
52	Halogenation Generates Effective Modulators of Amyloid-Beta Aggregation and Neurotoxicity. <i>PLoS ONE</i> , 2013, 8, e57288.	1.1	15
53	A revisited folding reporter for quantitative assay of protein misfolding and aggregation in mammalian cells. <i>Biotechnology Journal</i> , 2012, 7, 1297-1307.	1.8	8
54	Techniques for monitoring protein misfolding and aggregation in vitro and in living cells. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 693-702.	1.2	37

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55	Manipulation of enzyme properties by noncanonical amino acid incorporation. <i>Biotechnology Journal</i> , 2012, 7, 47-60.	1.8	35
56	A Safe, Blood-Brain Barrier Permeable Triphenylmethane Dye Inhibits Amyloid- β Neurotoxicity by Generating Nontoxic Aggregates. <i>ACS Chemical Neuroscience</i> , 2011, 2, 645-657.	1.7	60
57	Xanthene Food Dye, as a Modulator of Alzheimer's Disease Amyloid-beta Peptide Aggregation and the Associated Impaired Neuronal Cell Function. <i>PLoS ONE</i> , 2011, 6, e25752.	1.1	25
58	Site-Specific Incorporation of Tryptophan Analogues into Recombinant Proteins in Bacterial Cells. <i>Journal of the American Chemical Society</i> , 2007, 129, 10431-10437.	6.6	60
59	Design of a Bacterial Host for Site-Specific Incorporation of p-Bromophenylalanine into Recombinant Proteins. <i>Journal of the American Chemical Society</i> , 2006, 128, 11778-11783.	6.6	50
60	Breaking the Degeneracy of the Genetic Code. <i>Journal of the American Chemical Society</i> , 2003, 125, 7512-7513.	6.6	119