

James A Van Deventer

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

879
citations

623734

14
h-index

713466

21
g-index

35
all docs

35
docs citations

35
times ranked

1073
citing authors

#	ARTICLE	IF	CITATIONS
1	Residue-specific incorporation of non-canonical amino acids into proteins: recent developments and applications. <i>Current Opinion in Chemical Biology</i> , 2010, 14, 774-780.	6.1	284
2	Carboxylic Acid Chemistry at the Ge(100)-2 Å ⁻¹ Interface: A Bidentate Bridging Structure Formation on a Semiconductor Surface. <i>Journal of the American Chemical Society</i> , 2006, 128, 770-779.	13.7	78
3	Yeast Surface Display for Antibody Isolation: Library Construction, Library Screening, and Affinity Maturation. <i>Methods in Molecular Biology</i> , 2014, 1131, 151-181.	0.9	65
4	Future prospects for noncanonical amino acids in biological therapeutics. <i>Current Opinion in Biotechnology</i> , 2019, 60, 168-178.	6.6	63
5	Hydration dynamics at fluorinated protein surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17101-17106.	7.1	62
6	A switchable yeast display/secretion system. <i>Protein Engineering, Design and Selection</i> , 2015, 28, 317-325.	2.1	52
7	A Robust and Quantitative Reporter System To Evaluate Noncanonical Amino Acid Incorporation in Yeast. <i>ACS Synthetic Biology</i> , 2018, 7, 2256-2269.	3.8	40
8	Engineering Selectively Targeting Antimicrobial Peptides. <i>Annual Review of Biomedical Engineering</i> , 2021, 23, 339-357.	12.3	31
9	A platform for constructing, evaluating, and screening bioconjugates on the yeast surface. <i>Protein Engineering, Design and Selection</i> , 2016, 29, 485-494.	2.1	29
10	Chemical Diversification of Simple Synthetic Antibodies. <i>ACS Chemical Biology</i> , 2021, 16, 344-359.	3.4	28
11	Detection of amyloid β oligomers toward early diagnosis of Alzheimer's disease. <i>Analytical Biochemistry</i> , 2019, 566, 40-45.	2.4	25
12	Introduction of an Aliphatic Ketone into Recombinant Proteins in a Bacterial Strain that Overexpresses an Editing-Deficient Leucyl-tRNA Synthetase. <i>ChemBioChem</i> , 2009, 10, 2188-2190.	2.6	20
13	Reporter system architecture affects measurements of noncanonical amino acid incorporation efficiency and fidelity. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 573-588.	3.4	20
14	Cell Surface Display Yields Evolvable, Clickable Antibody Fragments. <i>ChemBioChem</i> , 2014, 15, 1777-1781.	2.6	16
15	Exploration of <i>Methanomethylophilus alvus</i> Pyrrolysyl-tRNA Synthetase Activity in Yeast. <i>ACS Synthetic Biology</i> , 2022, 11, 1824-1834.	3.8	14
16	High-Throughput Aminoacyl-tRNA Synthetase Engineering for Genetic Code Expansion in Yeast. <i>ACS Synthetic Biology</i> , 2022, 11, 2284-2299.	3.8	13
17	Broadening the Toolkit for Quantitatively Evaluating Noncanonical Amino Acid Incorporation in Yeast. <i>ACS Synthetic Biology</i> , 2021, 10, 3094-3104.	3.8	9
18	ASAP-SML: An antibody sequence analysis pipeline using statistical testing and machine learning. <i>PLoS Computational Biology</i> , 2020, 16, e1007779.	3.2	6

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19	Incorporating, Quantifying, and Leveraging Noncanonical Amino Acids in Yeast. <i>Methods in Molecular Biology</i> , 2022, 2394, 377-432.	0.9	6
20	Homoisoleucine: A Translationally Active Leucine Surrogate of Expanded Hydrophobic Surface Area. <i>ChemBioChem</i> , 2011, 12, 700-702.	2.6	5
21	Engineering Proteins Containing Noncanonical Amino Acids on the Yeast Surface. <i>Methods in Molecular Biology</i> , 2022, 2491, 491-559.	0.9	4
22	Editorial overview: Pharmaceutical biotechnology: new frontiers in protein, gene, and cell therapies. <i>Current Opinion in Biotechnology</i> , 2019, 60, iii-v.	6.6	0
23	Liven Up That Linker. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 2521-2522.	6.4	0
24	Desperately seeking sortase. <i>Nature Chemical Biology</i> , 2021, 17, 235-236.	8.0	0
25	Construction of Hybrid Inhibitors for Metalloproteinase Targeting. <i>FASEB Journal</i> , 2018, 32, 798.5.	0.5	0
26	Intracellular Delivery of Antibodies for Selective Cell Signaling Interference. <i>ChemMedChem</i> , 2022, 17, .	3.2	0