Joris Beld

List of Publications by Year
in descending order

33	1,396	516710 16	434195 31
papers	citations	h-index	g-index

35	35	35	2058
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The phosphopantetheinyl transferases: catalysis of a post-translational modification crucial for life. Natural Product Reports, 2014, 31, 61-108.	10.3	283
2	Rapid and Quantitative Cyclization of Multiple Peptide Loops onto Synthetic Scaffolds for Structural Mimicry of Protein Surfaces. ChemBioChem, 2005, 6, 821-824.	2.6	241
3	A Simple Approach to Sensor Discovery and Fabrication on Self-Assembled Monolayers on Glass. Journal of the American Chemical Society, 2004, 126, 7293-7299.	13.7	165
4	Fatty acid biosynthesis revisited: structure elucidation and metabolic engineering. Molecular BioSystems, 2015, 11, 38-59.	2.9	158
5	Enantioselective Artificial Metalloenzymes Based on a Bovine Pancreatic Polypeptide Scaffold. Angewandte Chemie - International Edition, 2009, 48, 5159-5162.	13.8	95
6	Versatility of Acyl-Acyl Carrier Protein Synthetases. Chemistry and Biology, 2014, 21, 1293-1299.	6.0	47
7	Visualizing the Chainâ€Flipping Mechanism in Fattyâ€Acid Biosynthesis. Angewandte Chemie - International Edition, 2014, 53, 14456-14461.	13.8	45
8	Diselenides as universal oxidative folding catalysts of diverse proteins. Journal of Biotechnology, 2010, 150, 481-489.	3.8	43
9	Molecular basis for interactions between an acyl carrier protein and a ketosynthase. Nature Chemical Biology, 2019, 15, 669-671.	8.0	41
10	Small-Molecule Diselenides Catalyze Oxidative Protein Folding in Vivo. ACS Chemical Biology, 2010, 5, 177-182.	3.4	28
11	Online Analysis of Single Cyanobacteria and Algae Cells under Nitrogen-Limited Conditions Using Aerosol Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2015, 87, 8039-8046.	6.5	24
12	Trapping of the Enoyl-Acyl Carrier Protein Reductaseâ€“Acyl Carrier Protein Interaction. Journal of the American Chemical Society, 2016, 138, 3962-3965.	13.7	23
13	Probing fatty acid metabolism in bacteria, cyanobacteria, green microalgae and diatoms with natural and unnatural fatty acids. Molecular BioSystems, 2016, 12, 1299-1312.	2.9	22
14	Evolution of acyl-ACP thioesterases and Î²-ketoacyl-ACP synthases revealed by proteinâ€“protein interactions. Journal of Applied Phycology, 2014, 26, 1619-1629.	2.8	21
15	Specificity of cobamide remodeling, uptake and utilization in Vibrio cholerae. Molecular Microbiology, 2020, 113, 89-102.	2.5	20
16	A commensal-encoded genotoxin drives restriction of Vibrio cholerae colonization and host gut microbiome remodeling. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2121180119.	7.1	20
17	Fatty acid esters produced by Lasiodiplodia theobromae function as growth regulators in tobacco seedlings. Biochemical and Biophysical Research Communications, 2016, 472, 339-345.	2.1	18
18	An Amoebal Grazer of Cyanobacteria Requires Cobalamin Produced by Heterotrophic Bacteria. Applied and Environmental Microbiology, 2017, 83, .	3.1	18

#	Article	IF	Citations
19	Acyl Carrier Protein Cyanylation Delivers a Ketoacyl Synthaseâ€“Carrier Protein Cross-Link. Biochemistry, 2017, 56, 2533-2536.	2.5	14
20	The effect of divalent cations on the thermostability of type II polyketide synthase acyl carrier proteins. AICHE Journal, 2018, 64, 4308-4318.	3.6	9
21	Whole genome sequencing of Streptomyces actuosus ISP-5337, Streptomyces sioyaensis B-5408, and Actinospica acidiphila B-2296 reveals secondary metabolomes with antibiotic potential. Biotechnology Reports (Amsterdam, Netherlands), 2021, 29, e00596.	4.4	9
22	Screening and characterization of polyhydroxyalkanoate granules, and phylogenetic analysis of polyhydroxyalkanoate synthase gene PhaC in cyanobacteria. Journal of Phycology, 2021, 57, 754-765.	2.3	6
23	Data from mass spectrometry, NMR spectra, GCâ€“MS of fatty acid esters produced by Lasiodiplodia theobromae. Data in Brief, 2016, 8, 31-39.	1.0	5
24	Utilizing Mechanistic Cross-Linking Technology To Study Proteinâ€“Protein Interactions: An Experiment Designed for an Undergraduate Biochemistry Lab. Journal of Chemical Education, 2017, 94, 375-379.	2.3	5
25	Dissecting modular synthases through inhibition: A complementary chemical and genetic approach. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126820.	2.2	5
26	Phosphopantetheinylation in the green microalgae Chlamydomonas reinhardtii. Journal of Applied Phycology, 2016, 28, 3259-3267.	2.8	4
27	Synthesis of an acyl-acyl carrier protein synthetase inhibitor to study fatty acid recycling. Scientific Reports, 2020, 10, 17776.	3.3	4
28	Expression of Heterologous OsDHAR Gene Improves Glutathione (GSH)-Dependent Antioxidant System and Maintenance of Cellular Redox Status in Synechococcus elongatus PCC 7942. Frontiers in Plant Science, 2020, 11, 231.	3.6	4
29	Direct Cobamide Remodeling via Additional Function of Cobamide Biosynthesis Protein CobS from Vibrio cholerae. Journal of Bacteriology, 2021, 203, e0017221.	2.2	3
30	Escherichia coli Nissle 1917 secondary metabolism: aryl polyene biosynthesis and phosphopantetheinyl transferase crosstalk. Applied Microbiology and Biotechnology, 2021, 105, 7785-7799.	3.6	3
31	Nicotine Content from Cigarettes Submerged in Soda. Journal of Medical Toxicology, 2020, 16, 452-457.	1.5	0
32	Cobamide remodeling. Vitamins and Hormones, 2022, 119, 43-63.	1.7	0
33	Elucidating the antibiotic sensing mechanism of VanB vancomycinâ€resistant Enterococci. FASEB Journal, 2022, 36, .	0.5	0