

Craig A Behnke

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

7,986
citations

586496

16
h-index

685536

24
g-index

28
all docs

28
docs citations

28
times ranked

8315
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of spirulina for the manufacture and oral delivery of protein therapeutics. <i>Nature Biotechnology</i> , 2022, 40, 956-964.	9.4	50
2	Co-processing of hydrothermal liquefaction algal bio-oil and petroleum feedstock to fuel-like hydrocarbons via fluid catalytic cracking. <i>Fuel Processing Technology</i> , 2019, 188, 164-171.	3.7	48
3	Discovery of benzimidazole derivatives as orally active renin inhibitors: Optimization of 3,5-disubstituted piperidine to improve pharmacokinetic profile. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 3261-3286.	1.4	6
4	Fatty Amide Determination in Neutral Molecular Fractions of Green Crude Hydrothermal Liquefaction Oils From Algal Biomass. <i>Energy & Fuels</i> , 2017, 31, 8275-8282.	2.5	16
5	Discovery of TAK-272: A Novel, Potent, and Orally Active Renin Inhibitor. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 933-938.	1.3	22
6	Novel approach of fragment-based lead discovery applied to renin inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 6066-6074.	1.4	4
7	Structure-based design of a new series of N-(piperidin-3-yl)pyrimidine-5-carboxamides as renin inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 5771-5780.	1.4	13
8	Spectroradiometric monitoring for open outdoor culturing of algae and cyanobacteria. <i>Applied Optics</i> , 2014, 53, F31.	0.9	8
9	The structure of rice weevil pectin methylesterase. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1480-1484.	0.4	15
10	Evolution of acyl-ACP thioesterases and β -ketoacyl-ACP synthases revealed by protein-protein interactions. <i>Journal of Applied Phycology</i> , 2014, 26, 1619-1629.	1.5	21
11	Host cell pigmentation in <i>Scenedesmus dimorphus</i> as a beacon for nascent parasite infection. <i>Biotechnology and Bioengineering</i> , 2014, 111, 1748-1757.	1.7	3
12	Contamination Management in Low Cost Open Algae Ponds for Biofuels Production. <i>Industrial Biotechnology</i> , 2014, 10, 221-227.	0.5	103
13	Synthesis, SAR study, and biological evaluation of a series of piperazine ureas as fatty acid amide hydrolase (FAAH) inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 28-41.	1.4	30
14	Characterization of Amoebophilidium protococcarum, an Algal Parasite New to the Cryptomycota Isolated from an Outdoor Algal Pond Used for the Production of Biofuel. <i>PLoS ONE</i> , 2013, 8, e56232.	1.1	136
15	Spectroradiometric Monitoring of Open Algal Cultures. , 2013, , .		0
16	Manipulating Fatty Acid Biosynthesis in Microalgae for Biofuel through Protein-Protein Interactions. <i>PLoS ONE</i> , 2012, 7, e42949.	1.1	107
17	Atomic resolution studies of carbonic anhydrase II. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2010, 66, 616-627.	2.5	51
18	Production of therapeutic proteins in algae, analysis of expression of seven human proteins in the chloroplast of <i>Chlamydomonas reinhardtii</i> . <i>Plant Biotechnology Journal</i> , 2010, 8, 719-733.	4.1	255

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19	Nonlinear partial differential equations and applications: The mechanism of topoisomerase I poisoning by a camptothecin analog. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15387-15392.	3.3	705
20	Theoretical and Experimental Studies of Biotin Analogues That Bind Almost as Tightly to Streptavidin as Biotin. Journal of Organic Chemistry, 2002, 67, 1827-1837.	1.7	25
21	High-throughput crystallization and structure determination in drug discovery. Drug Discovery Today, 2002, 7, 187-196.	3.2	73
22	Advances in Determination of a High-Resolution Three-Dimensional Structure of Rhodopsin, a Model of G-Protein-Coupled Receptors (GPCRs). Biochemistry, 2001, 40, 7761-7772.	1.2	627
23	X-Ray Diffraction Analysis of Three-Dimensional Crystals of Bovine Rhodopsin Obtained from Mixed Micelles. Journal of Structural Biology, 2000, 130, 73-80.	1.3	176
24	Crystal Structure of Rhodopsin: A G Protein-Coupled Receptor. Science, 2000, 289, 739-745.	6.0	5,486