Christopher D Bahl

List of Publications by Year
in descending order

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28	1,257	686830 13	525886 27
papers	citations	h-index	g-index

34	34	34	2006
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Massively parallel de novo protein design for targeted therapeutics. Nature, 2017, 550, 74-79.	13.7	354
2	Accurate de novo design of hyperstable constrained peptides. Nature, 2016, 538, 329-335.	13.7	327
3	Distinct genetic pathways define pre-malignant versus compensatory clonal hematopoiesis in Shwachman-Diamond syndrome. Nature Communications, 2021, 12, 1334.	5.8	103
4	Pseudomonas aeruginosa sabotages the generation of host proresolving lipid mediators. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 136-141.	3.3	73
5	Screening, large-scale production and structure-based classification of cystine-dense peptides. Nature Structural and Molecular Biology, 2018, 25, 270-278.	3.6	44
6	Discovery and engineering of enhanced SUMO protease enzymes. Journal of Biological Chemistry, 2018, 293, 13224-13233.	1.6	43
7	Crystal Structure of the Cystic Fibrosis Transmembrane Conductance Regulator Inhibitory Factor Cif Reveals Novel Active-Site Features of an Epoxide Hydrolase Virulence Factor. Journal of Bacteriology, 2010, 192, 1785-1795.	1.0	38
8	Stereochemical Determinants of C-terminal Specificity in PDZ Peptide-binding Domains. Journal of Biological Chemistry, 2013, 288, 5114-5126.	1.6	32
9	An epoxide hydrolase secreted by Pseudomonas aeruginosa decreases mucociliary transport and hinders bacterial clearance from the lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L150-L156.	1.3	27
10	Pseudomonas aeruginosa Cif Defines a Distinct Class of α/β Epoxide Hydrolases Utilizing a His/Tyr Ring-Opening Pair. Protein and Peptide Letters, 2012, 19, 186-193.	0.4	20
11	Signature Motifs Identify an Acinetobacter Cif Virulence Factor with Epoxide Hydrolase Activity. Journal of Biological Chemistry, 2014, 289, 7460-7469.	1.6	19
12	Purification, crystallization and preliminary X-ray diffraction analysis of Cif, a virulence factor secreted byPseudomonas aeruginosa. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 26-28.	0.7	17
13	Epoxide-Mediated CifR Repression of cif Gene Expression Utilizes Two Binding Sites in Pseudomonas aeruginosa. Journal of Bacteriology, 2012, 194, 5315-5324.	1.0	16
14	Ensuring scientific reproducibility in bio-macromolecular modeling via extensive, automated benchmarks. Nature Communications, 2021, 12, 6947.	5.8	16
15	Active-Site Flexibility and Substrate Specificity in a Bacterial Virulence Factor: Crystallographic Snapshots of an Epoxide Hydrolase. Structure, 2017, 25, 697-707.e4.	1.6	15
16	Cytosolic expression, solution structures, and molecular dynamics simulation of genetically encodable disulfideâ€rich de novo designed peptides. Protein Science, 2018, 27, 1611-1623.	3.1	14
17	Integration of the Rosetta suite with the python software stack via reproducible packaging and core programming interfaces for distributed simulation. Protein Science, 2020, 29, 43-51.	3.1	13
18	Toward complete rational control over protein structure and function through computational design. Current Opinion in Structural Biology, 2021, 66, 170-177.	2.6	13

#	Article	IF	Citations
19	Inhibiting an Epoxide Hydrolase Virulence Factor from Pseudomonas aeruginosa Protects CFTR. Angewandte Chemie - International Edition, 2015, 54, 9881-9885.	7.2	12
20	Two common structural motifs for TCR recognition by staphylococcal enterotoxins. Scientific Reports, 2016, 6, 25796.	1.6	12
21	Visualizing the Mechanism of Epoxide Hydrolysis by the Bacterial Virulence Enzyme Cif. Biochemistry, 2016, 55, 788-797.	1.2	10
22	Breakthroughs in computational design methods open up new frontiers for de novo protein engineering. Protein Engineering, Design and Selection, 2021, 34, .	1.0	9
23	Structural characterization and computational analysis of <scp>PDZ</scp> domains in Monosiga brevicollis. Protein Science, 2020, 29, 2226-2244.	3.1	4
24	Analyses of the complex formation of staphylococcal enterotoxin A and the human gp130 cytokine receptor. FEBS Letters, 2022, 596, 910-923.	1.3	3
25	The cif Virulence Factor Gene Is Present in Isolates From Patients With Pseudomonas aeruginosa Keratitis. Cornea, 2017, 36, 358-362.	0.9	2
26	Biochemical and structural characterization of two cif-like epoxide hydrolases from Burkholderia cenocepacia. Current Research in Structural Biology, 2021, 3, 72-84.	1.1	2
27	Congenital Xâ€linked Neutropenia with Myelodysplasia and Somatic Tetraploidy due to a Germline Mutation in SEPT6. American Journal of Hematology, 2021, , .	2.0	1
28	Exploring the substrate profile of CFTR Inhibitory Factor. FASEB Journal, 2013, 27, 559.7.	0.2	0