

Christopher D Bahl

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,257
citations

687363

13
h-index

526287

27
g-index

34
all docs

34
docs citations

34
times ranked

2006
citing authors

#	ARTICLE	IF	CITATIONS
1	Massively parallel de novo protein design for targeted therapeutics. <i>Nature</i> , 2017, 550, 74-79.	27.8	354
2	Accurate de novo design of hyperstable constrained peptides. <i>Nature</i> , 2016, 538, 329-335.	27.8	327
3	Distinct genetic pathways define pre-malignant versus compensatory clonal hematopoiesis in Shwachman-Diamond syndrome. <i>Nature Communications</i> , 2021, 12, 1334.	12.8	103
4	<i>Pseudomonas aeruginosa</i> sabotages the generation of host proresolving lipid mediators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 136-141.	7.1	73
5	Screening, large-scale production and structure-based classification of cystine-dense peptides. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 270-278.	8.2	44
6	Discovery and engineering of enhanced SUMO protease enzymes. <i>Journal of Biological Chemistry</i> , 2018, 293, 13224-13233.	3.4	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. <i>Journal of Bacteriology</i> , 2010, 192, 1785-1795.	2.2	38
8	Stereochemical Determinants of C-terminal Specificity in PDZ Peptide-binding Domains. <i>Journal of Biological Chemistry</i> , 2013, 288, 5114-5126.	3.4	32
9	An epoxide hydrolase secreted by <i>Pseudomonas aeruginosa</i> decreases mucociliary transport and hinders bacterial clearance from the lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, L150-L156.	2.9	27
10	<i>Pseudomonas aeruginosa</i> Cif Defines a Distinct Class of Epoxide Hydrolases Utilizing a His/Tyr Ring-Opening Pair. <i>Protein and Peptide Letters</i> , 2012, 19, 186-193.	0.9	20
11	Signature Motifs Identify an <i>Acinetobacter</i> Cif Virulence Factor with Epoxide Hydrolase Activity. <i>Journal of Biological Chemistry</i> , 2014, 289, 7460-7469.	3.4	19
12	Purification, crystallization and preliminary X-ray diffraction analysis of Cif, a virulence factor secreted by <i>Pseudomonas aeruginosa</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 26-28.	0.7	17
13	Epoxide-Mediated CifR Repression of <i>cif</i> Gene Expression Utilizes Two Binding Sites in <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2012, 194, 5315-5324.	2.2	16
14	Ensuring scientific reproducibility in bio-macromolecular modeling via extensive, automated benchmarks. <i>Nature Communications</i> , 2021, 12, 6947.	12.8	16
15	Active-Site Flexibility and Substrate Specificity in a Bacterial Virulence Factor: Crystallographic Snapshots of an Epoxide Hydrolase. <i>Structure</i> , 2017, 25, 697-707.e4.	3.3	15
16	Cytosolic expression, solution structures, and molecular dynamics simulation of genetically encodable disulfide-rich de novo designed peptides. <i>Protein Science</i> , 2018, 27, 1611-1623.	7.6	14
17	Integration of the Rosetta suite with the python software stack via reproducible packaging and core programming interfaces for distributed simulation. <i>Protein Science</i> , 2020, 29, 43-51.	7.6	13
18	Toward complete rational control over protein structure and function through computational design. <i>Current Opinion in Structural Biology</i> , 2021, 66, 170-177.	5.7	13

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19	Inhibiting an Epoxide Hydrolase Virulence Factor from <i>Pseudomonas aeruginosa</i> Protects CFTR. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9881-9885.	13.8	12
20	Two common structural motifs for TCR recognition by staphylococcal enterotoxins. <i>Scientific Reports</i> , 2016, 6, 25796.	3.3	12
21	Visualizing the Mechanism of Epoxide Hydrolysis by the Bacterial Virulence Enzyme Cif. <i>Biochemistry</i> , 2016, 55, 788-797.	2.5	10
22	Breakthroughs in computational design methods open up new frontiers for <i>de novo</i> protein engineering. <i>Protein Engineering, Design and Selection</i> , 2021, 34, .	2.1	9
23	Structural characterization and computational analysis of PDZ domains in <i>Monosiga brevicollis</i> . <i>Protein Science</i> , 2020, 29, 2226-2244.	7.6	4
24	Analyses of the complex formation of staphylococcal enterotoxin A and the human gp130 cytokine receptor. <i>FEBS Letters</i> , 2022, 596, 910-923.	2.8	3
25	The cif Virulence Factor Gene Is Present in Isolates From Patients With <i>Pseudomonas aeruginosa</i> Keratitis. <i>Cornea</i> , 2017, 36, 358-362.	1.7	2
26	Biochemical and structural characterization of two cif-like epoxide hydrolases from <i>Burkholderia cenocepacia</i> . <i>Current Research in Structural Biology</i> , 2021, 3, 72-84.	2.2	2
27	Congenital X-linked Neutropenia with Myelodysplasia and Somatic Tetraploidy due to a Germline Mutation in SEPT6. <i>American Journal of Hematology</i> , 2021, , .	4.1	1
28	Exploring the substrate profile of CFTR Inhibitory Factor. <i>FASEB Journal</i> , 2013, 27, 559.7.	0.5	0