

Sebastien Brier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8023136/publications.pdf>

Version: 2024-02-01

39
papers

1,635
citations

361413

20
h-index

345221

36
g-index

43
all docs

43
docs citations

43
times ranked

3006
citing authors

#	ARTICLE	IF	CITATIONS
1	Recommendations for performing, interpreting and reporting hydrogen deuterium exchange mass spectrometry (HDX-MS) experiments. <i>Nature Methods</i> , 2019, 16, 595-602.	19.0	452
2	Structure and allosteric inhibition of excitatory amino acid transporter 1. <i>Nature</i> , 2017, 544, 446-451.	27.8	179
3	Defining a protective epitope on factor H binding protein, a key meningococcal virulence factor and vaccine antigen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3304-3309.	7.1	125
4	Identification of the Protein Binding Region of S-Trityl-L-cysteine, a New Potent Inhibitor of the Mitotic Kinesin Eg5. <i>Biochemistry</i> , 2004, 43, 13072-13082.	2.5	109
5	Molecular Dissection of the Inhibitor Binding Pocket of Mitotic Kinesin Eg5 Reveals Mutants that Confer Resistance to Antimitotic Agents. <i>Journal of Molecular Biology</i> , 2006, 360, 360-376.	4.2	55
6	Transcriptional Regulation of the <i>nadA</i> Gene in <i>Neisseria meningitidis</i> Impacts the Prediction of Coverage of a Multicomponent Meningococcal Serogroup B Vaccine. <i>Infection and Immunity</i> , 2013, 81, 560-569.	2.2	52
7	MEMHDX: an interactive tool to expedite the statistical validation and visualization of large HDX-MS datasets. <i>Bioinformatics</i> , 2016, 32, 3413-3419.	4.1	52
8	Structural disorder and induced folding within two cereal, ABA stress and ripening (ASR) proteins. <i>Scientific Reports</i> , 2017, 7, 15544.	3.3	47
9	Structural models of intrinsically disordered and calcium-bound folded states of a protein adapted for secretion. <i>Scientific Reports</i> , 2015, 5, 14223.	3.3	46
10	Purification and characterization of pepsins A1 and A2 from the Antarctic rock cod <i>Trematomus bernacchii</i> . <i>FEBS Journal</i> , 2007, 274, 6152-6166.	4.7	42
11	The Abl SH2-kinase linker naturally adopts a conformation competent for SH3 domain binding. <i>Protein Science</i> , 2007, 16, 572-581.	7.6	34
12	Two cross-reactive monoclonal antibodies recognize overlapping epitopes on <i>Neisseria meningitidis</i> factor H binding protein but have different functional properties. <i>FASEB Journal</i> , 2014, 28, 1644-1653.	0.5	34
13	Calmodulin fishing with a structurally disordered bait triggers CyaA catalysis. <i>PLoS Biology</i> , 2017, 15, e2004486.	5.6	31
14	Use of hydrogen/deuterium exchange mass spectrometry and mutagenesis as a tool to identify the binding region of inhibitors targeting the human mitotic kinesin Eg5. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 456-462.	1.5	29
15	Calcium-dependent disorder-to-order transitions are central to the secretion and folding of the CyaA toxin of <i>Bordetella pertussis</i> , the causative agent of whooping cough. <i>Toxicon</i> , 2018, 149, 37-44.	1.6	29
16	Mapping Surface Accessibility of the C1r/C1s Tetramer by Chemical Modification and Mass Spectrometry Provides New Insights into Assembly of the Human C1 Complex. <i>Journal of Biological Chemistry</i> , 2010, 285, 32251-32263.	3.4	25
17	Molecular Basis of Ligand-Dependent Regulation of NadR, the Transcriptional Repressor of Meningococcal Virulence Factor NadA. <i>PLoS Pathogens</i> , 2016, 12, e1005557.	4.7	24
18	Consensus designs and thermal stability determinants of a human glutamate transporter. <i>ELife</i> , 2018, 7,	6.0	23

#	ARTICLE	IF	CITATIONS
19	Structural Insight into the Mechanism of DNA-Binding Attenuation of the Neisserial Adhesin Repressor NadR by the Small Natural Ligand 4-Hydroxyphenylacetic Acid. <i>Biochemistry</i> , 2012, 51, 6738-6752.	2.5	22
20	Structural Characterization of Whirlin Reveals an Unexpected and Dynamic Supramodule Conformation of Its PDZ Tandem. <i>Structure</i> , 2017, 25, 1645-1656.e5.	3.3	22
21	Post-translational acylation controls the folding and functions of the CyaA RTX toxin. <i>FASEB Journal</i> , 2019, 33, 10065-10076.	0.5	22
22	SEC-SAXS and HDX-MS: A powerful combination. The case of the calcium-binding domain of a bacterial toxin. <i>Biotechnology and Applied Biochemistry</i> , 2018, 65, 62-68.	3.1	21
23	<i>Neisseria meningitidis</i> GNA1030 is a ubiquinone-8 binding protein. <i>FASEB Journal</i> , 2015, 29, 2260-2267.	0.5	17
24	Proteomics for Allergy: from Proteins to the Patients. <i>Current Allergy and Asthma Reports</i> , 2016, 16, 64.	5.3	17
25	Aspartic proteinases in Antarctic fish. <i>Marine Genomics</i> , 2009, 2, 1-10.	1.1	16
26	Development of a highly specific and sensitive VHH-based sandwich immunoassay for the detection of the SARS-CoV-2 nucleoprotein. <i>Journal of Biological Chemistry</i> , 2022, 298, 101290.	3.4	16
27	The Marine Natural Product Adociasulfate-2 as a Tool To Identify the MT-Binding Region of Kinesins. <i>Biochemistry</i> , 2006, 45, 15644-15653.	2.5	15
28	A High-Affinity Calmodulin-Binding Site in the CyaA Toxin Translocation Domain is Essential for Invasion of Eukaryotic Cells. <i>Advanced Science</i> , 2021, 8, 2003630.	11.2	14
29	Prepore Stability Controls Productive Folding of the BAM-independent Multimeric Outer Membrane Secretin PulD. <i>Journal of Biological Chemistry</i> , 2017, 292, 328-338.	3.4	11
30	Translocation and calmodulin-activation of the adenylate cyclase toxin (CyaA) of <i>Bordetella pertussis</i> . <i>Pathogens and Disease</i> , 2018, 76, .	2.0	11
31	Characterization of epitope specificities of reference antibodies used for the quantification of the birch pollen allergen Bet v 1. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 1032-1040.	5.7	11
32	Dynamics of a type 2 secretion system pseudopilus unraveled by complementary approaches. <i>Journal of Biomolecular NMR</i> , 2019, 73, 293-303.	2.8	9
33	Hydrogen/Deuterium Exchange Mass Spectrometry for the Structural Analysis of Detergent-Solubilized Membrane Proteins. <i>Methods in Molecular Biology</i> , 2020, 2127, 339-358.	0.9	8
34	The stress sigma factor of RNA polymerase RpoS/σ ^S is a solvent-exposed open molecule in solution. <i>Biochemical Journal</i> , 2018, 475, 341-354.	3.7	7
35	Characterization of a highly neutralizing single monoclonal antibody to botulinum neurotoxin type A. <i>FASEB Journal</i> , 2021, 35, e21540.	0.5	6
36	Calcium Tightly Regulates Disorder-To-Order Transitions Involved in the Secretion, Folding and Functions of the CyaA Toxin of <i>Bordetella Pertussis</i> , the Causative Agent of Whooping Cough. <i>Biophysical Journal</i> , 2017, 112, 523a.	0.5	1

#	ARTICLE	IF	CITATIONS
37	Structural Models of an Intrinsically Disordered Protein Adapted for Bacterial Secretion. Biophysical Journal, 2016, 110, 555a.	0.5	0
38	Novel Molecular Mechanism of Excitatory Neurotransmitter Transport Inhibition. Biophysical Journal, 2017, 112, 13a.	0.5	0
39	Structural Disorder in Action in a Bacterial Toxin: Secretion, Folding and Host Cell Hijacking. Biophysical Journal, 2018, 114, 428a.	0.5	0