

Cory L Brooks

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

393
citations

840776
11
h-index

794594
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g-index

27
all docs

27
docs citations

27
times ranked

576
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibody recognition of a unique tumor-specific glycopeptide antigen. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10056-10061.	7.1	77
2	Glycosylation of MUC1 influences the binding of a therapeutic antibody by altering the conformational equilibrium of the antigen. Glycobiology, 2017, 27, 677-687.	2.5	45
3	Exploration of Specificity in Germline Monoclonal Antibody Recognition of a Range of Natural and Synthetic Epitopes. Journal of Molecular Biology, 2008, 377, 450-468.	4.2	32
4	Epitope Mapping of Antibody-Antigen Interactions with X-Ray Crystallography. Methods in Molecular Biology, 2018, 1785, 13-27.	0.9	31
5	The structure of lactoferrin-binding protein B from <i>Neisseria meningitidis</i> suggests roles in iron acquisition and neutralization of host defences. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1312-1317.	0.8	27
6	Antibodies Raised Against Chlamydial Lipopolysaccharide Antigens Reveal Convergence in Germline Gene Usage and Differential Epitope Recognition. Biochemistry, 2010, 49, 570-581.	2.5	23
7	Structural basis of VHH-mediated neutralization of the food-borne pathogen <i>Listeria monocytogenes</i> . Journal of Biological Chemistry, 2018, 293, 13626-13635.	3.4	20
8	The role of CDR H3 in antibody recognition of a synthetic analog of a lipopolysaccharide antigen. Glycobiology, 2010, 20, 138-147.	2.5	16
9	Immunological Functions and Evolutionary Emergence of Heavy-Chain Antibodies. Trends in Immunology, 2018, 39, 956-960.	6.8	15
10	Role of a noncanonical disulfide bond in the stability, affinity, and flexibility of a VHH specific for the <i>Listeria</i> virulence factor InlB. Protein Science, 2020, 29, 990-1003.	7.6	15
11	Pseudo-symmetry and twinning in crystals of homologous antibody Fv fragments. Acta Crystallographica Section D: Biological Crystallography, 2008, 64, 1250-1258.	2.5	13
12	Molecular basis of antibody binding to mucin glycopeptides in lung cancer. International Journal of Oncology, 2016, 48, 587-594.	3.3	13
13	ImmunoPET of Ovarian and Pancreatic Cancer with AR9.6, a Novel MUC16-Targeted Therapeutic Antibody. Clinical Cancer Research, 2022, 28, 948-959.	7.0	11
14	Crystal structure of a human MUC16 SEA domain reveals insight into the nature of the CA125 tumor marker. Proteins: Structure, Function and Bioinformatics, 2022, 90, 1210-1218.	2.6	10
15	Single-chain antibody-fragment M6P-1 possesses a mannose 6-phosphate monosaccharide-specific binding pocket that distinguishes N-glycan phosphorylation in a branch-specific manner. Glycobiology, 2016, 26, 181-192.	2.5	8
16	Structure of a VHH isolated from a naïve phage display library. BMC Research Notes, 2019, 12, 154.	1.4	8
17	Exploring the cross-reactivity of S25-2: complex with a 5,6-dehydro-Kdo disaccharide. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 2-5.	0.7	7
18	In situ proteolysis, crystallization and preliminary X-ray diffraction analysis of a VHH that binds <i>Listeria internalin B</i> . Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1532-1535.	0.8	5

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19	Reproductive life history of <i>Petrolisthes cinctipes</i> (Randall, 1840) and <i>P. manimaculis</i> Glassell, 1945 (Decapoda: Anomura: Porcellanidae), with the development of an enzyme-linked immunosorbant assay (ELISA) for the determination of hemolymph levels of vitellogenin. <i>Journal of Crustacean Biology</i> , 2017, 37, 315-322.	0.8	4
20	X-ray Crystal Structure Analysis of VHH-Protein Antigen Complexes. <i>Methods in Molecular Biology</i> , 2022, 2446, 513-530.	0.9	4
21	Preclinical Evaluation of a Humanized, Near-Infrared Fluorescent Antibody for Fluorescence-Guided Surgery of MUC16-Expressing Pancreatic Cancer. <i>Molecular Pharmaceutics</i> , 2022, 19, 3586-3599.	4.6	4
22	Role of glycosylation on the ensemble of conformations in the MUC1 immunodominant epitope. <i>Journal of Peptide Science</i> , 2020, 26, e3229.	1.4	3
23	Subtle Changes in the Combining Site of the Chlamydiaceae-Specific mAb S25-23 Increase the Antibody's Carbohydrate Binding Affinity by an Order of Magnitude. <i>Biochemistry</i> , 2019, 58, 714-726.	2.5	2
24	Structure of Enterohemorrhagic <i>Escherichia coli</i> O157:H7 Intimin Virulence Factor Bound to Nanobodies. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
25	Modular Cloning of MUC1 Recombinant Antibodies by Assembly of Synthetic Domain Genes. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
26	A CURE for Cloning: Implementing a Modular Approach to Cloning Recombinant Antibodies in an Undergraduate Teaching Lab. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
27	Structure of a Therapeutic Antibody in Complex with MUC16 Reveals a Conformational Epitope Influenced by Antigen Glycosylation. <i>FASEB Journal</i> , 2022, 36, .	0.5	0