Greg Hussack

List of Publications by Year
in descending order

Version: 2024-02-01

26 papers	724 citations	567281 15 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	786 citing authors

#	Article	IF	Citations
1	Neutralization of Clostridium difficile Toxin A with Single-domain Antibodies Targeting the Cell Receptor Binding Domain. Journal of Biological Chemistry, 2011, 286, 8961-8976.	3.4	119
2	Engineered Single-Domain Antibodies with High Protease Resistance and Thermal Stability. PLoS ONE, 2011, 6, e28218.	2.5	113
3	Toxin-Specific Antibodies for the Treatment of Clostridium difficile: Current Status and Future Perspectives. Toxins, 2010, 2, 998-1018.	3.4	45
4	Structural Basis for Antibody Recognition in the Receptor-binding Domains of Toxins A and B from Clostridium difficile. Journal of Biological Chemistry, 2014, 289, 2331-2343.	3.4	43
5	Application of Assisted Design of Antibody and Protein Therapeutics (ADAPT) improves efficacy of a Clostridium difficile toxin A single-domain antibody. Scientific Reports, 2018, 8, 2260.	3.3	36
6	A VL single-domain antibody library shows a high-propensity to yield non-aggregating binders. Protein Engineering, Design and Selection, 2012, 25, 313-318.	2.1	30
7	Identification of cross-reactive single-domain antibodies against serum albumin using next-generation DNA sequencing. Protein Engineering, Design and Selection, 2015, 28, 379-383.	2.1	29
8	Serum albuminâ€binding V _H Hs with variable pH sensitivities enable tailored halfâ€life extension of biologics. FASEB Journal, 2020, 34, 8155-8171.	0.5	26
9	Targeting surface-layer proteins with single-domain antibodies: a potential therapeutic approach against Clostridium difficile-associated disease. Applied Microbiology and Biotechnology, 2015, 99, 8549-8562.	3.6	25
10	Isolation of TGF-Î²-neutralizing single-domain antibodies of predetermined epitope specificity using next-generation DNA sequencing. Protein Engineering, Design and Selection, 2016, 29, 439-443.	2.1	25
11	Isolation and Characterization of Clostridium difficile Toxin-Specific Single-Domain Antibodies. , 2012, 911, 211-239.		24
12	A Rational Engineering Strategy for Designing Protein A-Binding Camelid Single-Domain Antibodies. PLoS ONE, 2016, 11, e0163113.	2.5	24
13	Camelid single-domain antibodies raised by DNA immunization are potent inhibitors of EGFR signaling. Biochemical Journal, 2019, 476, 39-50.	3.7	22
14	An update on antibody-based immunotherapies for Clostridium difficile infection. Clinical and Experimental Gastroenterology, 2016, Volume 9, 209-224.	2.3	20
15	Neutralization of Clostridium difficile toxin B with VHH-Fc fusions targeting the delivery and CROPs domains. PLoS ONE, 2018, 13, e0208978.	2.5	20
16	A disulfide-stabilized human V L single-domain antibody library is a source of soluble and highly thermostable binders. Molecular Immunology, 2017, 90, 190-196.	2.2	16
17	Stability-Diversity Tradeoffs Impose Fundamental Constraints on Selection of Synthetic Human VH/VL Single-Domain Antibodies from In Vitro Display Libraries. Frontiers in Immunology, 2017, 8, 1759.	4.8	16
18	Brain Delivery of IGF1R5, a Single-Domain Antibody Targeting Insulin-like Growth Factor-1 Receptor. Pharmaceutics, 2022, 14, 1452.	4.5	16

#	Article	IF	Citations
19	Incorporation of a Novel CD16-Specific Single-Domain Antibody into Multispecific Natural Killer Cell Engagers With Potent ADCC. Molecular Pharmaceutics, 2021, 18, 2375-2384.	4.6	14
20	Antibody Binding to the O-Specific Antigen of Pseudomonas aeruginosa O6 Inhibits Cell Growth. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	13
21	Single-Domain Antibodies Represent Novel Alternatives to Monoclonal Antibodies as Targeting Agents against the Human Papillomavirus 16 E6 Protein. International Journal of Molecular Sciences, 2019, 20, 2088.	4.1	12
22	Characterization of Single-Domain Antibodies with an Engineered Disulfide Bond. Methods in Molecular Biology, 2012, 911, 417-429.	0.9	11
23	Isolation and characterization of camelid single-domain antibodies against HER2. BMC Research Notes, 2018, 11, 866.	1.4	10
24	A Novel Affinity Tag, ABTAG, and Its Application to the Affinity Screening of Single-Domain Antibodies Selected by Phage Display. Frontiers in Immunology, 2017, 8, 1406.	4.8	9
25	Facile Affinity Maturation of Single-Domain Antibodies Using Next-Generation DNA Sequencing. Methods in Molecular Biology, 2022, 2446, 245-268.	0.9	3
26	Structural Characterization and Evaluation of an Epitope at the Tip of the A-Band Rhamnan Polysaccharide of Pseudomonas aeruginosa. ACS Infectious Diseases, 2022, 8, 1336-1346.	3.8	3