Brandon J Dekosky

List of Publications by Year
in descending order

39 papers	3,878 citations	394421 19 h-index	345221 36 g-index
45 all docs	45 docs citations	45 times ranked	6592 citing authors

#	Article	IF	Citations
1	Immortalization and functional screening of natively paired human T cell receptor repertoires. Protein Engineering, Design and Selection, 2022, 35, .	2.1	2
2	Molecular probes of spike ectodomain and its subdomains for SARS-CoV-2 variants, Alpha through Omicron. PLoS ONE, 2022, 17, e0268767.	2.5	18
3	Strategies to Screen Anti-AQP4 Antibodies from Yeast Surface Display Libraries. Antibodies, 2022, 11, 39.	2.5	0
4	Highly protective antimalarial antibodies via precision library generation and yeast display screening. Journal of Experimental Medicine, 2022, 219, .	8.5	9
5	Functional Profiling of Antibody Immune Repertoires in Convalescent Zika Virus Disease Patients. Frontiers in Immunology, 2021, 12, 615102.	4.8	15
6	Mutational fitness landscapes reveal genetic and structural improvement pathways for a vaccine-elicited HIV-1 broadly neutralizing antibody. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
7	Vaccination with prefusion-stabilized respiratory syncytial virus fusion protein induces genetically and antigenically diverse antibody responses. Immunity, 2021, 54, 769-780.e6.	14.3	37
8	Sequence-Signature Optimization Enables Improved Identification of Human HV6-1-Derived Class Antibodies That Neutralize Diverse Influenza A Viruses. Frontiers in Immunology, 2021, 12, 662909.	4.8	0
9	Antibody screening at reduced <scp>pH</scp> enables preferential selection of potently neutralizing antibodies targeting <scp>SARSâ€CoV</scp>â€2. AICHE Journal, 2021, 67, e17440.	3.6	4
10	Regulatory Approved Monoclonal Antibodies Contain Framework Mutations Predicted From Human Antibody Repertoires. Frontiers in Immunology, 2021, 12, 728694.	4.8	7
11	Paired heavy- and light-chain signatures contribute to potent SARS-CoV-2 neutralization in public antibody responses. Cell Reports, 2021, 37, 109771.	6.4	38
12	Optimized Production of Fc Fusion Proteins by Sortase Enzymatic Ligation. Industrial & Engineering Chemistry Research, 2021, 60, 16839-16853.	3.7	5
13	Structure-Based Design with Tag-Based Purification and In-Process Biotinylation Enable Streamlined Development of SARS-CoV-2 Spike Molecular Probes. Cell Reports, 2020, 33, 108322.	6.4	59
14	Human intratumoral therapy: Linking drug properties and tumor transport of drugs in clinical trials. Journal of Controlled Release, 2020, 326, 203-221.	9.9	33
15	Antibody-guided structure-based vaccines. Seminars in Immunology, 2020, 50, 101428.	5.6	29
16	Multimeric Insulin Desensitizes Insulin-Specific B Cells. ACS Applied Bio Materials, 2020, 3, 6319-6330.	4.6	6
17	A molecular trap against COVID-19. Science, 2020, 369, 1167-1168.	12.6	7
18	The Molecular Mechanisms That Underlie the Immune Biology of Anti-drug Antibody Formation Following Treatment With Monoclonal Antibodies. Frontiers in Immunology, 2020, 11, 1951.	4.8	102

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19	Antibody-dependent enhancement and SARS-CoV-2 vaccines and therapies. Nature Microbiology, 2020, 5, 1185-1191.	13.3	553
20	The covalent SNAP tag for protein display quantification and low-pH protein engineering. Journal of Biotechnology, 2020, 320, 50-56.	3.8	4
21	VRC34-Antibody Lineage Development Reveals How a Required Rare Mutation Shapes the Maturation of a Broad HIV-Neutralizing Lineage. Cell Host and Microbe, 2020, 27, 531-543.e6.	11.0	23
22	Linking autoantigen properties to mechanisms of immunity. Advanced Drug Delivery Reviews, 2020, 165-166, 105-116.	13.7	4
23	Structure-Based Design with Tag-Based Purification and In-Process Biotinylation Enable Streamlined Development of SARS-CoV-2 Spike Molecular Probes. SSRN Electronic Journal, 2020, , 3639618.	0.4	3
24	Tetrameric Fluorescent Antigen Arrays for Single-Step Identification of Antigen-Specific B Cells. Journal of Visualized Experiments, 2020, , .	0.3	2
25	Ultrasonically-guided flow focusing generates precise emulsion droplets for high-throughput single cell analyses. Journal of Bioscience and Bioengineering, 2019, 128, 226-233.	2.2	21
26	Functional interrogation and mining of natively paired human VH:VL antibody repertoires. Nature Biotechnology, 2018, 36, 152-155.	17.5	109
27	Glycan Masking Focuses Immune Responses to the HIV-1 CD4-Binding Site and Enhances Elicitation of VRC01-Class Precursor Antibodies. Immunity, 2018, 49, 301-311.e5.	14.3	110
28	Low CD21 expression defines a population of recent germinal center graduates primed for plasma cell differentiation. Science Immunology, 2017, 2, .	11.9	203
29	Large-scale sequence and structural comparisons of human naive and antigen-experienced antibody repertoires. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2636-45.	7.1	179
30	Induction of HIV Neutralizing Antibody Lineages in Mice with Diverse Precursor Repertoires. Cell, 2016, 166, 1471-1484.e18.	28.9	198
31	Molecular-level analysis of the serum antibody repertoire in young adults before and after seasonal influenza vaccination. Nature Medicine, 2016, 22, 1456-1464.	30.7	271
32	Ultra-high-throughput sequencing of the immune receptor repertoire from millions of lymphocytes. Nature Protocols, 2016, 11, 429-442.	12.0	140
33	Handmade microfluidic device for biochemical applications in emulsion. Journal of Bioscience and Bioengineering, 2016, 121, 471-476.	2.2	3
34	Facile Discovery of a Diverse Panel of Anti-Ebola Virus Antibodies by Immune Repertoire Mining. Scientific Reports, 2015, 5, 13926.	3.3	47
35	In-depth determination and analysis of the human paired heavy- and light-chain antibody repertoire. Nature Medicine, 2015, 21, 86-91.	30.7	345
36	Developmental pathway for potent V1V2-directed HIV-neutralizing antibodies. Nature, 2014, 509, 55-62.	27.8	681

#	ARTICLE	IF	CITATIONS
37	High-throughput sequencing of the paired human immunoglobulin heavy and light chain repertoire. Nature Biotechnology, 2013, 31, 166-169.	17.5	401
38	Hierarchically Designed Agarose and Poly(Ethylene Glycol) Interpenetrating Network Hydrogels for Cartilage Tissue Engineering. Tissue Engineering - Part C: Methods, 2010, 16, 1533-1542.	2.1	131
39	Paired Heavy and Light Chain Signatures Contribute to Potent SARS-CoV-2 Neutralization in Public Antibody Responses. SSRN Electronic Journal, 0, , .	0.4	1