William D Martin

List of Publications by Year
in descending order

35 papers	1,162 citations	471509 17 h-index	395702 33 g-index
35 all docs	35 docs citations	35 times ranked	1168 citing authors

#	Article	IF	Citations
1	Reducing risk, improving outcomes: Bioengineering less immunogenic protein therapeutics. Clinical Immunology, 2009, 131, 189-201.	3.2	165
2	Immunoâ€informatics: Mining genomes for vaccine components. Immunology and Cell Biology, 2002, 80, 255-269.	2.3	153
3	The two-faced T cell epitope. Human Vaccines and Immunotherapeutics, 2013, 9, 1577-1586.	3.3	88
4	Better Epitope Discovery, Precision Immune Engineering, and Accelerated Vaccine Design Using Immunoinformatics Tools. Frontiers in Immunology, 2020, 11, 442.	4.8	78
5	Mapping cross-clade HIV-1 vaccine epitopes using a bioinformatics approach. Vaccine, 2003, 21, 4486-4504.	3.8	68
6	Effect of HLA DR epitope de-immunization of Factor VIII in vitro and in vivo. Clinical Immunology, 2012, 142, 320-331.	3.2	68
7	CHOPPI: A web tool for the analysis of immunogenicity risk from host cell proteins in CHOâ€based protein production. Biotechnology and Bioengineering, 2014, 111, 2170-2182.	3.3	47
8	H7N9 T-cell epitopes that mimic human sequences are less immunogenic and may induce Treg-mediated tolerance. Human Vaccines and Immunotherapeutics, 2015, 11, 2241-2252.	3.3	40
9	Immune camouflage: Relevance to vaccines and human immunology. Human Vaccines and Immunotherapeutics, 2014, 10, 3570-3575.	3.3	39
10	HCV epitope, homologous to multiple human protein sequences, induces a regulatory T cell response in infected patients. Journal of Hepatology, 2015, 62, 48-55.	3.7	39
11	A humanized mouse model identifies key amino acids for low immunogenicity of H7N9 vaccines. Scientific Reports, 2017, 7, 1283.	3.3	35
12	Integrated assessment of predicted MHC binding and cross-conservation with self reveals patterns of viral camouflage. BMC Bioinformatics, 2014, 15, S1.	2.6	34
13	Promiscuous Coxiella burnetii CD4 Epitope Clusters Associated With Human Recall Responses Are Candidates for a Novel T-Cell Targeted Multi-Epitope Q Fever Vaccine. Frontiers in Immunology, 2019, 10, 207.	4.8	33
14	In Vivo Validation of Predicted and Conserved T Cell Epitopes in a Swine Influenza Model. PLoS ONE, 2016, 11, e0159237.	2.5	31
15	T cell epitope redundancy: cross-conservation of the TCR face between pathogens and self and its implications for vaccines and autoimmunity. Expert Review of Vaccines, 2016, 15, 607-617.	4.4	28
16	Immunization with cross-conserved H1N1 influenza CD4+T-cell epitopes lowers viral burden in HLA DR3 transgenic mice. Human Vaccines and Immunotherapeutics, 2013, 9, 2060-2068.	3.3	24
17	De-immun ized and F unctional T herapeutic (DeFT) versions of a long lasting recombinant alpha interferon for antiviral therapy. Clinical Immunology, 2017, 176, 31-41.	3.2	19
18	T cell epitope content comparison (EpiCC) analysis demonstrates a bivalent PCV2 vaccine has greater T cell epitope overlap with field strains than monovalent PCV2 vaccines. Veterinary Immunology and Immunopathology, 2020, 223, 110034.	1.2	18

#	Article	IF	Citations
19	Immune escape and immune camouflage may reduce the efficacy of RTS,S vaccine in Malawi. Human Vaccines and Immunotherapeutics, 2020, 16, 214-227.	3.3	17
20	Neoantigen-based personalized cancer vaccines: the emergence of precision cancer immunotherapy. Expert Review of Vaccines, 2022, 21, 173-184.	4.4	17
21	Development and validation of an epitope prediction tool for swine (PigMatrix) based on the pocket profile method. BMC Bioinformatics, 2015, 16, 290.	2.6	16
22	In silico identification and modification of T cell epitopes in pertussis antigens associated with tolerance. Human Vaccines and Immunotherapeutics, 2020, 16, 277-285.	3.3	16
23	Tâ€cell epitope content comparison (Epi‹scp›CC‹/scp›) of swine H1 influenza A virus hemagglutinin. Influenza and Other Respiratory Viruses, 2017, 11, 531-542.	3.4	15
24	Coxiella burnetii Epitope-Specific T-Cell Responses in Patients with Chronic Q Fever. Infection and Immunity, 2019, 87, .	2.2	10
25	Identification of a potent regulatory T cell epitope in factor V that modulates CD4+ and CD8+ memory T cell responses. Clinical Immunology, 2021, 224, 108661.	3.2	10
26	Immune Tolerance-Adjusted Personalized Immunogenicity Prediction for Pompe Disease. Frontiers in Immunology, 2021, 12, 636731.	4.8	10
27	New Immunoinformatics Tools for Swine: Designing Epitope-Driven Vaccines, Predicting Vaccine Efficacy, and Making Vaccines on Demand. Frontiers in Immunology, 2020, 11, 563362.	4.8	9
28	Development of a novel fully functional coagulation factor VIII with reduced immunogenicity utilizing an in silico prediction and deimmunization approach. Journal of Thrombosis and Haemostasis, 2021, 19, 2161-2170.	3.8	8
29	Development of highly stable and de-immunized versions of recombinant alpha interferon: Promising candidates for the treatment of chronic and emerging viral diseases. Clinical Immunology, 2021, 233, 108888.	3.2	8
30	Differential functional patterns of memory CD4+ and CD8+ T-cells from volunteers immunized with Ty21a typhoid vaccine observed using a recombinant Escherichia coli system expressing S. Typhi proteins. Vaccine, 2020, 38, 258-270.	3.8	7
31	Multi-step screening of neoantigensâ€™ HLA- and TCR-interfaces improves prediction of survival. Scientific Reports, 2021, 11, 9983.	3.3	4
32	Identification and Immune Assessment of T Cell Epitopes in Five Plasmodium falciparum Blood Stage Antigens to Facilitate Vaccine Candidate Selection and Optimization. Frontiers in Immunology, 2021, 12, 690348.	4.8	4
33	Bridging Computational Vaccinology and Vaccine Development Through Systematic Identification, Characterization, and Downselection of Conserved and Variable Circumsporozoite Protein CD4 T Cell Epitopes From Diverse Plasmodium falciparum Strains. Frontiers in Immunology, 2021, 12, 689920.	4.8	3
34	Exploit T cell Immunity for Rapid, Safe and Effective COVID-19 Vaccines. Expert Review of Vaccines, 2020, 19, 781-784.	4.4	1
35	Identification, Selection and Immune Assessment of Liver Stage CD8 T Cell Epitopes From Plasmodium falciparum. Frontiers in Immunology, 2021, 12, 684116.	4.8	0