

Darrick Carter

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/431370/publications.pdf>

Version: 2024-02-01

97
papers

4,401
citations

87888

38
h-index

114465

63
g-index

101
all docs

101
docs citations

101
times ranked

5780
citing authors

#	ARTICLE	IF	CITATIONS
1	An adjuvanted zoster vaccine elicits potent cellular immune responses in mice without QS21. <i>Npj Vaccines</i> , 2022, 7, 45.	6.0	7
2	Translational development of a tumor junction opening technology. <i>Scientific Reports</i> , 2022, 12, 7753.	3.3	3
3	Recent Advances and Methodological Considerations on Vaccine Candidates for Human Schistosomiasis. <i>Frontiers in Tropical Diseases</i> , 2021, 2, .	1.4	8
4	Development of a recombinant vaccine against human onchocerciasis. <i>Expert Review of Vaccines</i> , 2021, 20, 1459-1470.	4.4	6
5	Physicochemical structure of a polyacrylic acid stabilized nanoparticle alum (nanoalum) adjuvant governs TH1 differentiation of CD4+ T cells. <i>Nanoscale</i> , 2020, 12, 2515-2523.	5.6	18
6	An <i>Alphavirus</i> -derived replicon RNA vaccine induces SARS-CoV-2 neutralizing antibody and T cell responses in mice and nonhuman primates. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	181
7	Desmoglein-2 as a prognostic and biomarker in ovarian cancer. <i>Cancer Biology and Therapy</i> , 2020, 21, 1154-1162.	3.4	17
8	Vaccination of aged mice with adjuvanted recombinant influenza nucleoprotein enhances protective immunity. <i>Vaccine</i> , 2020, 38, 5256-5267.	3.8	11
9	Fifteen Years of Sm-p80-Based Vaccine Trials in Nonhuman Primates: Antibodies From Vaccinated Baboons Confer Protection in vivo and in vitro From <i>Schistosoma mansoni</i> and Identification of Putative Correlative Markers of Protection. <i>Frontiers in Immunology</i> , 2020, 11, 1246.	4.8	17
10	Immunization with full-length <i>Plasmodium falciparum</i> merozoite surface protein 1 is safe and elicits functional cytophilic antibodies in a randomized first-in-human trial. <i>Npj Vaccines</i> , 2020, 5, 10.	6.0	34
11	Process Development of Sj-p80: A Low-Cost Transmission-Blocking Veterinary Vaccine for Asiatic Schistosomiasis. <i>Frontiers in Immunology</i> , 2020, 11, 578715.	4.8	4
12	A Spray-Dried Combination of Capreomycin and CPZEN-45 for Inhaled Tuberculosis Therapy. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 3302-3311.	3.3	18
13	Structure-based Design of JOC-x, a Conjugatable Tumor Tight Junction Opener to Enhance Cancer Therapy. <i>Scientific Reports</i> , 2019, 9, 6169.	3.3	9
14	Vaccine adjuvant activity of emulsified oils from species of the Pinaceae family. <i>Phytomedicine</i> , 2019, 64, 152927.	5.3	10
15	P763...Attenuation of syphilis infection following immunization of rabbits with a trivalent antigen cocktail. , 2019, , .		0
16	P754...Quantitation of cytokines in rabbits following tri-antigen vaccine cocktail immunization and <i>T. pallidum</i> challenge. , 2019, , .		0
17	Reprogramming the adjuvant properties of aluminum oxyhydroxide with nanoparticle technology. <i>Npj Vaccines</i> , 2019, 4, 1.	6.0	91
18	Protein Microarray Analysis of the Specificity and Cross-Reactivity of Influenza Virus Hemagglutinin-Specific Antibodies. <i>MSphere</i> , 2018, 3, .	2.9	45

#	ARTICLE	IF	CITATIONS
19	Correlates of GLA family adjuvants' activities. <i>Seminars in Immunology</i> , 2018, 39, 22-29.	5.6	35
20	Malaria vaccine candidate based on Duffy-binding protein elicits strain transcending functional antibodies in a Phase I trial. <i>Npj Vaccines</i> , 2018, 3, 48.	6.0	52
21	Schistosoma Mansonii Antigen Sm-p80: Prophylactic Efficacy using TLR4 Agonist Vaccine Adjuvant Glucopyranosyl Lipid A-Alum in Murine and Non-Human Primate Models. <i>Journal of Investigative Medicine</i> , 2018, 66, 1124-1132.	1.6	19
22	The adjuvant GLA-AF enhances human intradermal vaccine responses. <i>Science Advances</i> , 2018, 4, eaas9930.	10.3	36
23	Effective Combination Adjuvants Engage Both TLR and Inflammasome Pathways To Promote Potent Adaptive Immune Responses. <i>Journal of Immunology</i> , 2018, 201, 98-112.	0.8	37
24	Adjuvants. <i>Current Topics in Microbiology and Immunology</i> , 2018, 428, 103-127.	1.1	3
25	Sm-p80-based schistosomiasis vaccine: double-blind preclinical trial in baboons demonstrates comprehensive prophylactic and parasite transmission-blocking efficacy. <i>Annals of the New York Academy of Sciences</i> , 2018, 1425, 38-51.	3.8	42
26	A Formulated TLR7/8 Agonist is a Flexible, Highly Potent and Effective Adjuvant for Pandemic Influenza Vaccines. <i>Scientific Reports</i> , 2017, 7, 46426.	3.3	66
27	Protein nanovaccine confers robust immunity against Toxoplasma. <i>Npj Vaccines</i> , 2017, 2, 24.	6.0	47
28	Accounting for adjuvant-induced artifacts in the characterization of vaccine formulations by polyacrylamide gel electrophoresis. <i>Therapeutic Advances in Vaccines</i> , 2017, 5, 31-38.	2.7	3
29	Sm-p80-based schistosomiasis vaccine mediated epistatic interactions identified potential immune signatures for vaccine efficacy in mice and baboons. <i>PLoS ONE</i> , 2017, 12, e0171677.	2.5	15
30	Comparative Immunogenicity of HIV-1 gp140 Vaccine Delivered by Parenteral, and Mucosal Routes in Female Volunteers; MUCOVAC2, A Randomized Two Centre Study. <i>PLoS ONE</i> , 2016, 11, e0152038.	2.5	37
31	The science of vaccine adjuvants: advances in TLR4 ligand adjuvants. <i>Current Opinion in Immunology</i> , 2016, 41, 85-90.	5.5	66
32	Recombinant polymorphic membrane protein D in combination with a novel, second-generation lipid adjuvant protects against intra-vaginal Chlamydia trachomatis infection in mice. <i>Vaccine</i> , 2016, 34, 4123-4131.	3.8	25
33	Preclinical safety, pharmacokinetics, pharmacodynamics, and biodistribution studies with Ad35K++ protein: a novel rituximab cotherapeutic. <i>Molecular Therapy - Methods and Clinical Development</i> , 2016, 3, 16013.	4.1	11
34	Comparative Systems Analyses Reveal Molecular Signatures of Clinically tested Vaccine Adjuvants. <i>Scientific Reports</i> , 2016, 6, 39097.	3.3	53
35	A structure-function approach to optimizing TLR4 ligands for human vaccines. <i>Clinical and Translational Immunology</i> , 2016, 5, e108.	3.8	44
36	IL-18 and Subcapsular Lymph Node Macrophages are Essential for Enhanced B Cell Responses with TLR4 Agonist Adjuvants. <i>Journal of Immunology</i> , 2016, 197, 4351-4359.	0.8	31

#	ARTICLE	IF	CITATIONS
37	Development of a schistosomiasis vaccine. <i>Expert Review of Vaccines</i> , 2016, 15, 619-627.	4.4	51
38	Multi-epitope proteins for improved serological detection of <i>Trypanosoma cruzi</i> infection and Chagas Disease. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016, 84, 191-196.	1.8	7
39	Epithelial Junction Opener Improves Oncolytic Adenovirus Therapy in Mouse Tumor Models. <i>Human Gene Therapy</i> , 2016, 27, 325-337.	2.7	28
40	Synthetic TLR4 agonists enhance functional antibodies and CD4+ T-cell responses against the <i>Plasmodium falciparum</i> GMZ2.6C multi-stage vaccine antigen. <i>Vaccine</i> , 2016, 34, 2207-2215.	3.8	37
41	TLR4 and TLR7/8 Adjuvant Combinations Generate Different Vaccine Antigen-Specific Immune Outcomes in Minipigs when Administered via the ID or IN Routes. <i>PLoS ONE</i> , 2016, 11, e0148984.	2.5	27
42	Preclinical safety and efficacy studies with an affinity-enhanced epithelial junction opener and PEGylated liposomal doxorubicin. <i>Molecular Therapy - Methods and Clinical Development</i> , 2015, 2, 15005.	4.1	23
43	Recombinant Ad35 adenoviral proteins as potent modulators of human T cell activation. <i>Immunology</i> , 2015, 144, 453-460.	4.4	8
44	Alga-Produced Malaria Transmission-Blocking Vaccine Candidate Pfs25 Formulated with a Human Use-Compatible Potent Adjuvant Induces High-Affinity Antibodies That Block <i>Plasmodium falciparum</i> Infection of Mosquitoes. <i>Infection and Immunity</i> , 2015, 83, 1799-1808.	2.2	48
45	Intracellular Signaling and Desmoglein 2 Shedding Triggered by Human Adenoviruses Ad3, Ad14, and Ad14P1. <i>Journal of Virology</i> , 2015, 89, 10841-10859.	3.4	37
46	Squalene emulsion potentiates the adjuvant activity of the TLR4 agonist, GLA, via inflammatory caspases, IL-18, and IFN- γ . <i>European Journal of Immunology</i> , 2015, 45, 407-417.	2.9	65
47	E-104 Design and Development of Adjuvants for HIV Vaccines. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2014, 67, 60.	2.1	0
48	Use of an Sm-p80-Based Therapeutic Vaccine to Kill Established Adult Schistosome Parasites in Chronically Infected Baboons. <i>Journal of Infectious Diseases</i> , 2014, 209, 1929-1940.	4.0	41
49	Protein engineering to target complement evasion in cancer. <i>FEBS Letters</i> , 2014, 588, 334-340.	2.8	12
50	Comparison of multiple adjuvants on the stability and immunogenicity of a clade C HIV-1 gp140 trimer. <i>Vaccine</i> , 2014, 32, 2109-2116.	3.8	27
51	Chitin Microneedles for an Easy-to-use Tuberculosis Skin Test. <i>Advanced Healthcare Materials</i> , 2014, 3, 349-353.	7.6	50
52	Combinations of TLR4 and TLR7/8 Adjuvants Administered via the ID or IN Routes Generate Different Vaccine Antigen-specific Immune Outcomes in Minipigs. <i>AIDS Research and Human Retroviruses</i> , 2014, 30, A194-A195.	1.1	0
53	Longevity of Sm-p80-specific antibody responses following vaccination with Sm-p80 vaccine in mice and baboons and transplacental transfer of Sm-p80-specific antibodies in a baboon. <i>Parasitology Research</i> , 2014, 113, 2239-2250.	1.6	32
54	Cross-species protection: <i>Schistosoma mansoni</i> Sm-p80 vaccine confers protection against <i>Schistosoma haematobium</i> in hamsters and baboons. <i>Vaccine</i> , 2014, 32, 1296-1303.	3.8	45

#	ARTICLE	IF	CITATIONS
55	A nanoliposome delivery system to synergistically trigger TLR4 AND TLR7. Journal of Nanobiotechnology, 2014, 12, 17.	9.1	65
56	Glucopyranosyl Lipid A Adjuvant Significantly Enhances HIV Specific T and B Cell Responses Elicited by a DNA-MVA-Protein Vaccine Regimen. PLoS ONE, 2014, 9, e84707.	2.5	36
57	Transient Removal of CD46 Is Safe and Increases B-cell Depletion by Rituximab in CD46 Transgenic Mice and Macaques. Molecular Therapy, 2013, 21, 291-299.	8.2	18
58	E114 Rational Design and Clinical Development of New Adjuvants. Journal of Acquired Immune Deficiency Syndromes (1999), 2013, 62, 57.	2.1	0
59	Development of a high density hemagglutinin protein microarray to determine the breadth of influenza antibody responses. BioTechniques, 2013, 54, 345-348.	1.8	21
60	Clinical Adjuvant Combinations Stimulate Potent B-Cell Responses In Vitro by Activating Dermal Dendritic Cells. PLoS ONE, 2013, 8, e63785.	2.5	13
61	Glucopyranosyl Lipid Adjuvant (GLA), a Synthetic TLR4 Agonist, Promotes Potent Systemic and Mucosal Responses to Intranasal Immunization with HIVgp140. PLoS ONE, 2012, 7, e41144.	2.5	96
62	FLEXGREPPS " FLEXIBLE GREEDY PEPTIDE POOL SEARCH: COMPUTATION OF NEAR-OPTIMAL SETS OF DEGENERATE POLYPEPTIDES FOR ANTIGENIC SCREENING. Journal of Bioinformatics and Computational Biology, 2012, 10, 1250009.	0.8	0
63	Coadministration of Epithelial Junction Opener JO-1 Improves the Efficacy and Safety of Chemotherapeutic Drugs. Clinical Cancer Research, 2012, 18, 3340-3351.	7.0	56
64	Serological characterizations of tandem repeat proteins for detection of African trypanosome infection in cattle. Parasitology International, 2011, 60, 538-540.	1.3	4
65	Biased cellular locations of tandem repeat antigens in African trypanosomes. Biochemical and Biophysical Research Communications, 2011, 405, 434-438.	2.1	9
66	A synthetic TLR4 agonist formulated in an emulsion enhances humoral and Type 1 cellular immune responses against GMZ2 " A GLURP" MSP3 fusion protein malaria vaccine candidate. Vaccine, 2011, 29, 3284-3292.	3.8	59
67	Specific IgG antibody responses may be used to monitor leprosy treatment efficacy and as recurrence prognostic markers. European Journal of Clinical Microbiology and Infectious Diseases, 2011, 30, 1257-1265.	2.9	46
68	Development and Characterization of Synthetic Glucopyranosyl Lipid Adjuvant System as a Vaccine Adjuvant. PLoS ONE, 2011, 6, e16333.	2.5	281
69	Insight toward Early Diagnosis of Leprosy through Analysis of the Developing Antibody Responses of <i>Mycobacterium leprae</i> -Infected Armadillos. Vaccine Journal, 2011, 18, 254-259.	3.1	37
70	Targeting TLRs Expands the Antibody Repertoire in Response to a Malaria Vaccine. Science Translational Medicine, 2011, 3, 93ra69.	12.4	83
71	Upregulated Expression of B-Cell Antigen Family Tandem Repeat Proteins by <i>Leishmania</i> Amastigotes. Infection and Immunity, 2010, 78, 2138-2145.	2.2	32
72	Rational Design and Evaluation of a Multipeptide Chimeric Fusion Protein with the Potential for Leprosy Diagnosis. Vaccine Journal, 2010, 17, 298-303.	3.1	36

#	ARTICLE	IF	CITATIONS
73	Role of adjuvants in modeling the immune response. <i>Current Opinion in HIV and AIDS</i> , 2010, 5, 409-413.	3.8	48
74	EXPLORING THE PROTEIN LANDSCAPE IN RAMACHANDRAN SPACE: IT'S NOT JUST PSI-PHI. <i>Journal of Bioinformatics and Computational Biology</i> , 2009, 07, 1031-1037.	0.8	0
75	Adjuvants for malaria vaccines. <i>Parasite Immunology</i> , 2009, 31, 520-528.	1.5	61
76	Optimized subunit vaccine protects against experimental leishmaniasis. <i>Vaccine</i> , 2009, 27, 7036-7045.	3.8	89
77	Selection of Antigens and Development of Prototype Tests for Point-of-Care Leprosy Diagnosis. <i>Vaccine Journal</i> , 2008, 15, 1590-1597.	3.1	48
78	Immunological Dominance of <i>Trypanosoma cruzi</i> Tandem Repeat Proteins. <i>Infection and Immunity</i> , 2008, 76, 3967-3974.	2.2	56
79	Differential Localization of Alternatively Spliced Hypoxanthine-Xanthine-Guanine Phosphoribosyltransferase Isoforms in <i>Toxoplasma gondii</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 22053-22059.	3.4	35
80	Sensitivity of Undifferentiated, High-TCR Density CD8+ Cells to Methylene Groups Appended to Tumor Antigen Determines Their Differentiation or Death. <i>Cancer Research</i> , 2005, 65, 2930-2937.	0.9	15
81	Mammaglobin: a candidate diagnostic marker for breast cancer. <i>Clinical Biochemistry</i> , 2004, 37, 249-257.	1.9	75
82	Expression and purification of immunologically reactive DPPD, a recombinant <i>Mycobacterium tuberculosis</i> skin test antigen, using <i>Mycobacterium smegmatis</i> and <i>Escherichia coli</i> host cells. <i>Canadian Journal of Microbiology</i> , 2004, 50, 97-105.	1.7	7
83	Use of ProteinChip [®] array surface enhanced laser desorption/ionization time-of-flight mass spectrometry (SELDI-TOF MS) to identify thymosin I ² -4, a differentially secreted protein from lymphoblastoid cell lines. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 760-765.	2.8	33
84	Serum antibodies to lipophilin B detected in late stage breast cancer patients. <i>Clinical Cancer Research</i> , 2003, 9, 749-54.	7.0	13
85	Purification and Characterization of the Mammaglobin/Lipophilin B Complex, a Promising Diagnostic Marker for Breast Cancer. <i>Biochemistry</i> , 2002, 41, 6714-6722.	2.5	84
86	Induction of Tumor-Reactive CTL by C-Side Chain Variants of the CTL Epitope HER-2/neu Protooncogene (369-377) Selected by Molecular Modeling of the Peptide: HLA-A2 Complex. <i>Journal of Immunology</i> , 2002, 169, 3545-3554.	0.8	24
87	Detection of Mammaglobin in the Sera of Patients with Breast Cancer. <i>Tumor Biology</i> , 2002, 23, 212-221.	1.8	31
88	Immunization with a Polyprotein Vaccine Consisting of the T-Cell Antigens Thiol-Specific Antioxidant, <i>Leishmania major</i> Stress-Inducible Protein 1, and <i>Leishmania</i> Elongation Initiation Factor Protects against Leishmaniasis. <i>Infection and Immunity</i> , 2002, 70, 4215-4225.	2.2	133
89	Chemical deglycosylation can induce methylation, succinimide formation, and isomerization. <i>The Protein Journal</i> , 2001, 20, 571-576.	1.1	4
90	Recombinant expression, purification, and characterization of <i>Toxoplasma gondii</i> adenosine kinase. <i>Molecular and Biochemical Parasitology</i> , 1999, 103, 15-23.	1.1	43

#	ARTICLE	IF	CITATIONS
91	Localization and Targeting of the Leishmania donovani Hypoxanthine-Guanine Phosphoribosyltransferase to the Glycosome. Journal of Biological Chemistry, 1998, 273, 1534-1541.	3.4	59
92	Mutations in <i>Plasmodium falciparum</i> Dihydrofolate Reductase and Dihydropteroate Synthase and Epidemiologic Patterns of Pyrimethamine-Sulfadoxine Use and Resistance. Journal of Infectious Diseases, 1997, 176, 1590-1596.	4.0	395
93	Molecular and biochemical studies on the hypoxanthine-guanine phosphoribosyltransferases of the pathogenic haemoflagellates. International Journal for Parasitology, 1997, 27, 203-213.	3.1	42
94	Expression, purification, and characterization of uracil phosphoribosyltransferase from Toxoplasma gondii. Molecular and Biochemical Parasitology, 1997, 87, 137-144.	1.1	40
95	Crithidia fasciculata: Isolation, Sequencing, and Expression of the Hypoxanthine-Guanine Phosphoribosyltransferase Gene. Experimental Parasitology, 1996, 82, 73-75.	1.2	8
96	Crystal structures of Toxoplasma gondii HGPRTase reveal the catalytic role of a long flexible loop. Nature Structural and Molecular Biology, 1996, 3, 881-887.	8.2	102
97	Insertional Tagging, Cloning, and Expression of the Hypoxanthine-Xanthine-Guanine Phosphoribosyltransferase Gene. Journal of Biological Chemistry, 1996, 271, 14010-14019.	3.4	401