

Philip L Felgner

List of Publications by Year in descending order

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102
papers

11,414
citations

94269

37
h-index

33814

99
g-index

114
all docs

114
docs citations

114
times ranked

14445
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Gene Transfer into Mouse Muscle in Vivo. <i>Science</i> , 1990, 247, 1465-1468.	6.0	3,687
2	A serological assay to detect SARS-CoV-2 seroconversion in humans. <i>Nature Medicine</i> , 2020, 26, 1033-1036.	15.2	1,678
3	A prospective analysis of the Ab response to <i>Plasmodium falciparum</i> before and after a malaria season by protein microarray. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6958-6963.	3.3	412
4	Profiling the humoral immune response to infection by using proteome microarrays: High-throughput vaccine and diagnostic antigen discovery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 547-552.	3.3	378
5	Nonviral Strategies for Gene Therapy. <i>Scientific American</i> , 1997, 276, 102-106.	1.0	266
6	Profiling humoral immune responses to <i>P. falciparum</i> infection with protein microarrays. <i>Proteomics</i> , 2008, 8, 4680-4694.	1.3	236
7	Dynamic antibody responses to the <i>Mycobacterium tuberculosis</i> proteome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 14703-14708.	3.3	225
8	Circulating Th1-Cell-type Tfh Cells that Exhibit Impaired B Cell Help Are Preferentially Activated during Acute Malaria in Children. <i>Cell Reports</i> , 2015, 13, 425-439.	2.9	206
9	Novel serologic biomarkers provide accurate estimates of recent <i>Plasmodium falciparum</i> exposure for individuals and communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4438-47.	3.3	188
10	Vaccinia Virus H3L Envelope Protein Is a Major Target of Neutralizing Antibodies in Humans and Elicits Protection against Lethal Challenge in Mice. <i>Journal of Virology</i> , 2005, 79, 11724-11733.	1.5	187
11	A <i>Burkholderia pseudomallei</i> protein microarray reveals serodiagnostic and cross-reactive antigens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13499-13504.	3.3	171
12	Genome of the human hookworm <i>Necator americanus</i> . <i>Nature Genetics</i> , 2014, 46, 261-269.	9.4	166
13	Safety and Short-Term Toxicity of a Novel Cationic Lipid Formulation for Human Gene Therapy. <i>Human Gene Therapy</i> , 1993, 4, 781-788.	1.4	164
14	Analysis of SARS-CoV-2 antibodies in COVID-19 convalescent blood using a coronavirus antigen microarray. <i>Nature Communications</i> , 2021, 12, 6.	5.8	164
15	A Genome-Wide Proteome Array Reveals a Limited Set of Immunogens in Natural Infections of Humans and White-Footed Mice with <i>Borrelia burgdorferi</i> . <i>Infection and Immunity</i> , 2008, 76, 3374-3389.	1.0	137
16	Proteome-wide analysis of the serological response to vaccinia and smallpox. <i>Proteomics</i> , 2007, 7, 1678-1686.	1.3	136
17	Sterile Protective Immunity to Malaria is Associated with a Panel of Novel <i>P. falciparum</i> Antigens. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M1111.007948.	2.5	134
18	Modeling human adaptive immune responses with tonsil organoids. <i>Nature Medicine</i> , 2021, 27, 125-135.	15.2	133

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19	Antibody Profiling by Proteome Microarray Reveals the Immunogenicity of the Attenuated Smallpox Vaccine Modified Vaccinia Virus Ankara Is Comparable to That of Dryvax. <i>Journal of Virology</i> , 2008, 82, 652-663.	1.5	114
20	Immunodominant Francisella tularensis antigens identified using proteome microarray. © Crown Copyright 2007 Dstl. <i>Proteomics</i> , 2007, 7, 2172-2183.	1.3	107
21	Identification of humoral immune responses in protein microarrays using DNA microarray data analysis techniques. <i>Bioinformatics</i> , 2006, 22, 1760-1766.	1.8	93
22	Candidate Antigens for Q Fever Serodiagnosis Revealed by Immunoscreening of a Coxiella burnetii Protein Microarray. <i>Vaccine Journal</i> , 2008, 15, 1771-1779.	3.2	92
23	From protein microarrays to diagnostic antigen discovery: a study of the pathogen Francisella tularensis. <i>Bioinformatics</i> , 2007, 23, i508-i518.	1.8	86
24	Pre-erythrocytic antibody profiles induced by controlled human malaria infections in healthy volunteers under chloroquine prophylaxis. <i>Scientific Reports</i> , 2013, 3, 3549.	1.6	79
25	The Stability and Complexity of Antibody Responses to the Major Surface Antigen of Plasmodium falciparum Are Associated with Age in a Malaria Endemic Area. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.008326.	2.5	78
26	Common asymptomatic and submicroscopic malaria infections in Western Thailand revealed in longitudinal molecular and serological studies: a challenge to malaria elimination. <i>Malaria Journal</i> , 2016, 15, 333.	0.8	70
27	Serological Profiling of a Candida albicans Protein Microarray Reveals Permanent Host-Pathogen Interplay and Stage-Specific Responses during Candidemia. <i>PLoS Pathogens</i> , 2010, 6, e1000827.	2.1	66
28	A Formulated TLR7/8 Agonist is a Flexible, Highly Potent and Effective Adjuvant for Pandemic Influenza Vaccines. <i>Scientific Reports</i> , 2017, 7, 46426.	1.6	66
29	Protein Microarray Analysis of Antibody Responses to Plasmodium falciparum in Western Kenyan Highland Sites with Differing Transmission Levels. <i>PLoS ONE</i> , 2013, 8, e82246.	1.1	61
30	Schistosomiasis vaccine discovery using immunomics. <i>Parasites and Vectors</i> , 2010, 3, 4.	1.0	57
31	Genome-wide profiling of humoral immune response to Coxiella burnetii infection by protein microarray. <i>Proteomics</i> , 2010, 10, 2259-2269.	1.3	56
32	Large screen approaches to identify novel malaria vaccine candidates. <i>Vaccine</i> , 2015, 33, 7496-7505.	1.7	54
33	Phenotypic and Functional Characterization of Human Memory T Cell Responses to Burkholderia pseudomallei. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e407.	1.3	53
34	Profiling the Humoral Immune Response of Acute and Chronic Q Fever by Protein Microarray. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.006304.	2.5	53
35	Distinct SARS-CoV-2 antibody reactivity patterns elicited by natural infection and mRNA vaccination. <i>Npj Vaccines</i> , 2021, 6, 132.	2.9	52
36	Protein Microarray Analysis of the Specificity and Cross-Reactivity of Influenza Virus Hemagglutinin-Specific Antibodies. <i>MSphere</i> , 2018, 3, .	1.3	45

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37	Hemoglobin S and C Heterozygosity Enhances Neither the Magnitude nor Breadth of Antibody Responses to a Diverse Array of Plasmodium falciparum Antigens. <i>Journal of Infectious Diseases</i> , 2011, 204, 1750-1761.	1.9	41
38	Large Scale Immune Profiling of Infected Humans and Goats Reveals Differential Recognition of Brucella melitensis Antigens. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e673.	1.3	40
39	RTS,S Vaccination Is Associated With Serologic Evidence of Decreased Exposure to Plasmodium falciparum Liver- and Blood-Stage Parasites*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 519-531.	2.5	40
40	Protective Immunity against Severe Malaria in Children Is Associated with a Limited Repertoire of Antibodies to Conserved PfEMP1 Variants. <i>Cell Host and Microbe</i> , 2019, 26, 579-590.e5.	5.1	40
41	Identification of immunodominant antigens of Chlamydia trachomatis using proteome microarrays. <i>Vaccine</i> , 2010, 28, 3014-3024.	1.7	36
42	A modular microarray imaging system for highly specific COVID-19 antibody testing. <i>Lab on A Chip</i> , 2020, 20, 3302-3309.	3.1	34
43	Identification of the Feline Humoral Immune Response to Bartonella henselae Infection by Protein Microarray. <i>PLoS ONE</i> , 2010, 5, e11447.	1.1	34
44	Characterizing Antibody Responses to Plasmodium vivax and Plasmodium falciparum Antigens in India Using Genome-Scale Protein Microarrays. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005323.	1.3	33
45	Children with cerebral malaria or severe malarial anaemia lack immunity to distinct variant surface antigen subsets. <i>Scientific Reports</i> , 2018, 8, 6281.	1.6	31
46	Antibody Profiling in Naïve and Semi-immune Individuals Experimentally Challenged with Plasmodium vivax Sporozoites. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004563.	1.3	30
47	Humoral immune responses to <i>Plasmodium falciparum</i> among HIV-1 infected Kenyan adults. <i>Proteomics - Clinical Applications</i> , 2011, 5, 613-623.	0.8	27
48	GRA1 protein vaccine confers better immune response compared to codon-optimized GRA1 DNA vaccine. <i>Vaccine</i> , 2007, 25, 1824-1837.	1.7	26
49	Distinct antibody responses of patients with mild and severe leptospirosis determined by whole proteome microarray analysis. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005349.	1.3	26
50	Genome-Level Determination of Plasmodium falciparum Blood-Stage Targets of Malarial Clinical Immunity in the Peruvian Amazon. <i>Journal of Infectious Diseases</i> , 2015, 211, 1342-1351.	1.9	25
51	Plasmodium falciparum Gametocyte-Specific Antibody Profiling Reveals Boosting through Natural Infection and Identifies Potential Markers of Gametocyte Exposure. <i>Infection and Immunity</i> , 2015, 83, 4229-4236.	1.0	24
52	Antibody Biomarkers Associated with Sterile Protection Induced by Controlled Human Malaria Infection under Chloroquine Prophylaxis. <i>MSphere</i> , 2019, 4, .	1.3	24
53	Tuning Subunit Vaccines with Novel TLR Triagonist Adjuvants to Generate Protective Immune Responses against <i>Coxiella burnetii</i> . <i>Journal of Immunology</i> , 2020, 204, 611-621.	0.4	24
54	Microarray analyses reveal strain-specific antibody responses to Plasmodium falciparum apical membrane antigen 1 variants following natural infection and vaccination. <i>Scientific Reports</i> , 2020, 10, 3952.	1.6	24

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55	A live attenuated-vaccine model confers cross-protective immunity against different species of the <i>Leptospira</i> genus. <i>ELife</i> , 2021, 10, .	2.8	24
56	An evaluation of purified <i>Salmonella</i> Typhi protein antigens for the serological diagnosis of acute typhoid fever. <i>Journal of Infection</i> , 2017, 75, 104-114.	1.7	23
57	Antibodies to Peptides in Semiconserved Domains of RIFINs and STEVORs Correlate with Malaria Exposure. <i>MSphere</i> , 2019, 4, .	1.3	23
58	Predicting COVID-19 Severity with a Specific Nucleocapsid Antibody plus Disease Risk Factor Score. <i>MSphere</i> , 2021, 6, .	1.3	23
59	Evaluation of quantum dot immunofluorescence and a digital CMOS imaging system as an alternative to conventional organic fluorescence dyes and laser scanning for quantifying protein microarrays. <i>Proteomics</i> , 2016, 16, 1271-1279.	1.3	22
60	A next-generation proteome array for <i>Schistosoma mansoni</i> . <i>International Journal for Parasitology</i> , 2016, 46, 411-415.	1.3	22
61	Transient Cannabinoid Receptor 2 Blockade during Immunization Heightens Intensity and Breadth of Antigen-specific Antibody Responses in Young and Aged mice. <i>Scientific Reports</i> , 2017, 7, 42584.	1.6	21
62	Crystal structure of a conformational antibody that binds tau oligomers and inhibits pathological seeding by extracts from donors with Alzheimer's disease. <i>Journal of Biological Chemistry</i> , 2020, 295, 10662-10676.	1.6	21
63	Seroreactivity to <i>Plasmodium falciparum</i> Erythrocyte Membrane Protein 1 Intracellular Domain in Malaria-Exposed Children and Adults. <i>Journal of Infectious Diseases</i> , 2013, 208, 1514-1519.	1.9	20
64	Seroreactivity to a Large Panel of Field-Derived <i>Plasmodium falciparum</i> Apical Membrane Antigen 1 and Merozoite Surface Protein 1 Variants Reflects Seasonal and Lifetime Acquired Responses to Malaria. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 92, 9-12.	0.6	20
65	Molecular inference of sources and spreading patterns of <i>Plasmodium falciparum</i> malaria parasites in internally displaced persons settlements in Myanmarâ€œChina border area. <i>Infection, Genetics and Evolution</i> , 2015, 33, 189-196.	1.0	20
66	Plasma and Mucosal Immunoglobulin M, Immunoglobulin A, and Immunoglobulin G Responses to the <i>Vibrio cholerae</i> O1 Protein Immunome in Adults With Cholera in Bangladesh. <i>Journal of Infectious Diseases</i> , 2017, 216, 125-134.	1.9	20
67	Distinct Antibody Signatures Associated with Different Malaria Transmission Intensities in Zambia and Zimbabwe. <i>MSphere</i> , 2019, 4, .	1.3	20
68	Identification of <i>Toxoplasma gondii</i> antigens associated with different types of infection by serum antibody profiling. <i>Parasitology</i> , 2015, 142, 827-838.	0.7	19
69	Subunit Vaccines Using TLR Triagonist Combination Adjuvants Provide Protection Against <i>Coxiella burnetii</i> While Minimizing Reactogenic Responses. <i>Frontiers in Immunology</i> , 2021, 12, 653092.	2.2	19
70	Use of an Influenza Antigen Microarray to Measure the Breadth of Serum Antibodies Across Virus Subtypes. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	18
71	Serodiagnosis of Acute Typhoid Fever in Nigerian Pediatric Cases by Detection of Serum IgA and IgG Against Hemolysin E and Lipopolysaccharide. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 95, 431-439.	0.6	16
72	Development of ELISAs for diagnosis of acute typhoid fever in Nigerian children. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005679.	1.3	16

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73	Immune Signature Against Plasmodium falciparum Antigens Predicts Clinical Immunity in Distinct Malaria Endemic Communities. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 101-113.	2.5	16
74	Antibody Profiling by Proteome Microarray with Multiplex Isotype Detection Reveals Overlap between Human and <i>Aotus nancymaae</i> Controlled Malaria Infections. <i>Proteomics</i> , 2018, 18, 1700277.	1.3	14
75	Towards Development of Improved Serodiagnostics for Tularemia by Use of Francisella tularensis Proteome Microarrays. <i>Journal of Clinical Microbiology</i> , 2016, 54, 1755-1765.	1.8	13
76	Administration of Multivalent Influenza Virus Recombinant Hemagglutinin Vaccine in Combination-Adjuvant Elicits Broad Reactivity Beyond the Vaccine Components. <i>Frontiers in Immunology</i> , 2021, 12, 692151.	2.2	13
77	Distinct SARS-CoV-2 antibody reactivity patterns in coronavirus convalescent plasma revealed by a coronavirus antigen microarray. <i>Scientific Reports</i> , 2021, 11, 7554.	1.6	11
78	DNA vaccines. <i>Current Biology</i> , 1998, 8, R551-R553.	1.8	10
79	Identification of Cytauxzoon felis antigens via protein microarray and assessment of expression library immunization against cytauxzoonosis. <i>Clinical Proteomics</i> , 2018, 15, 44.	1.1	10
80	The identification of novel immunogenic antigens as potential Shigella vaccine components. <i>Genome Medicine</i> , 2021, 13, 8.	3.6	9
81	An epitomic analysis of the specificity of conformation-dependent, anti-A β amyloid monoclonal antibodies. <i>Journal of Biological Chemistry</i> , 2021, 296, 100168.	1.6	9
82	Specific humoral response of hosts with variable schistosomiasis susceptibility. <i>Immunology and Cell Biology</i> , 2016, 94, 52-65.	1.0	8
83	Antibody profiles in COVID-19 convalescent plasma prepared with amotosalen/UVA pathogen reduction treatment. <i>Transfusion</i> , 2022, 62, 570-583.	0.8	8
84	Early post-infection treatment of SARS-CoV-2 infected macaques with human convalescent plasma with high neutralizing activity had no antiviral effects but moderately reduced lung inflammation. <i>PLoS Pathogens</i> , 2022, 18, e1009925.	2.1	8
85	HIV-1-Specific Antibody Response and Function after DNA Prime and Recombinant Adenovirus 5 Boost HIV Vaccine in HIV-Infected Subjects. <i>PLoS ONE</i> , 2016, 11, e0160341.	1.1	7
86	Serologic responses to the PfEMP1 DBL-CIDR head structure may be a better indicator of malaria exposure than those to the DBL- α tag. <i>Malaria Journal</i> , 2019, 18, 273.	0.8	6
87	Novel insights from the Plasmodium falciparum sporozoite-specific proteome by probabilistic integration of 26 studies. <i>PLoS Computational Biology</i> , 2021, 17, e1008067.	1.5	6
88	Antibody signatures of asymptomatic Plasmodium falciparum malaria infections measured from dried blood spots. <i>Malaria Journal</i> , 2021, 20, 378.	0.8	6
89	The Influence of B Cell Depletion Therapy on Naturally Acquired Immunity to Streptococcus pneumoniae. <i>Frontiers in Immunology</i> , 2020, 11, 611661.	2.2	6
90	Infection prevention strategies are highly protective in COVID-19 units while main risks to healthcare professionals come from coworkers and the community. <i>Antimicrobial Resistance and Infection Control</i> , 2021, 10, 163.	1.5	6

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91	Protein Arrays for the Identification of Seroreactive Protein Markers for Infectious Diseases. <i>Methods in Molecular Biology</i> , 2021, 2344, 139-150.	0.4	5
92	Multifunctional Dendronized Polypeptides for Controlled Adjuvanticity. <i>Biomacromolecules</i> , 2021, , .	2.6	5
93	Persistence of SARS-CoV-2 Antibodies in Vaccinated Health Care Workers Analyzed by Coronavirus Antigen Microarray. <i>Frontiers in Immunology</i> , 2022, 13, 817345.	2.2	5
94	Centrifugal disc liquid reciprocation flow considerations for antibody binding to COVID antigen array during microfluidic integration. <i>Lab on A Chip</i> , 0, , .	3.1	5
95	T Cell Antigen Discovery Using Soluble Vaccinia Proteome Reveals Recognition of Antigens with Both Virion and Nonvirion Association. <i>Journal of Immunology</i> , 2014, 193, 1812-1827.	0.4	4
96	Mother-Newborn Pairs in Malawi Have Similar Antibody Repertoires to Diverse Malaria Antigens. <i>Vaccine Journal</i> , 2017, 24, .	3.2	3
97	Immunomics-Guided Antigen Discovery for Praziquantel-Induced Vaccination in Urogenital Human Schistosomiasis. <i>Frontiers in Immunology</i> , 2021, 12, 663041.	2.2	3
98	Epitope-Specific Antibody Responses to a <i>Plasmodium falciparum</i> Subunit Vaccine Target in a Malaria-Endemic Population. <i>Journal of Infectious Diseases</i> , 2021, 223, 1943-1947.	1.9	3
99	Serologic and Cytokine Profiles of Children with Concurrent Cerebral Malaria and Severe Malarial Anemia Are Distinct from Other Subtypes of Severe Malaria. <i>American Journal of Tropical Medicine and Hygiene</i> , 2022, 107, 315-319.	0.6	3
100	Protective Effect of Nasal Colonisation with $\hat{a}^{\dagger}cps/piaA$ and $\hat{a}^{\dagger}cps/proABC$ <i>Streptococcus pneumoniae</i> Strains against Recolonisation and Invasive Infection. <i>Vaccines</i> , 2021, 9, 261.	2.1	2
101	Immunoprofiles associated with controlled human malaria infection and naturally acquired immunity identify a shared IgA pre-erythrocytic immunoproteome. <i>Npj Vaccines</i> , 2021, 6, 115.	2.9	2
102	#63: Antibodies to Peptides Representing <i>Plasmodium falciparum</i> Circumsporozoite Protein Reflect Acquisition of Naturally Acquired Immunity in Malian Adults and Children. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2021, 10, S10-S12.	0.6	0