Prosper N Boyaka

List of Publications by Year
in descending order

80 papers	2,750 citations	136740 32 h-index	189595 50 g-index
81 all docs	81 docs citations	81 times ranked	3707 citing authors

#	Article	IF	Citations
1	Targeting the EGFRâ€ERK axis using the compatible solute ectoine to stabilize CFTR mutant F508del. FASEB Journal, 2022, 36, e22270.	0.2	4
2	Effects of Intravenous Antimicrobial Drugs on the Equine Fecal Microbiome. Animals, 2022, 12, 1013.	1.0	10
3	Caspase-4/11 exacerbates disease severity in SARSâ€“CoV-2 infection by promoting inflammation and immunothrombosis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2202012119.	3.3	25
4	InÂVivo Tumorigenesis, Osteolytic Sarcomas, and Tumorigenic Cell Lines from Transgenic Mice Expressing the Human T-Lymphotropic Virus Type 1 (HTLV-1) Tax Viral Oncogene. American Journal of Pathology, 2021, 191, 335-352.	1.9	3
5	A safe and highly efficacious measles virus-based vaccine expressing SARS-CoV-2 stabilized prefusion spike. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	48
6	Escherichia coli O157:H7 in Retail Lettuce (Lactuca sativa) in Addis Ababa City: Magnitude of Contamination and Antimicrobial Susceptibility Pattern. Frontiers in Microbiology, 2021, 12, 694506.	1.5	2
7	Inhibition of elastase enhances the adjuvanticity of alum and promotes antiâ€“SARS-CoV-2 systemic and mucosal immunity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	15
8	Caspase-11 regulates lung inflammation in response to house dust mites. Cellular Immunology, 2021, 370, 104425.	1.4	4
9	A Methyltransferase-Defective Vesicular Stomatitis Virus-Based SARS-CoV-2 Vaccine Candidate Provides Complete Protection against SARS-CoV-2 Infection in Hamsters. Journal of Virology, 2021, 95, e0059221.	1.5	11
10	Pollutants enhance IgE sensitization in the gut via local alteration of vitamin D-metabolizing enzymes. Mucosal Immunology, 2021, , .	2.7	2
11	Broad-Spectrum and Gram-Negative-Targeting Antibiotics Differentially Regulate Antibody Isotype Responses to Injected Vaccines. Vaccines, 2021, 9, 1240.	2.1	3
12	Viral RNA N6-methyladenosine modification modulates both innate and adaptive immune responses of human respiratory syncytial virus. PLoS Pathogens, 2021, 17, e1010142.	2.1	12
13	Toxin-Based Modulators for Regulation of Mucosal Immune Responses. , 2020, , 185-201.		0
14	Vesicular Stomatitis Virus and DNA Vaccines Expressing Zika Virus Nonstructural Protein 1 Induce Substantial but Not Sterilizing Protection against Zika Virus Infection. Journal of Virology, 2020, 94, .	1.5	10
15	Host Defenses at Mucosal Surfaces. , 2019, , 285-298.e1.		7
16	Mice Deficient in Epithelial or Myeloid Cell Ĩ²Î²Î² Have Distinct Colonic Microbiomes and Increased Resistance to Citrobacter rodentium Infection. Frontiers in Immunology, 2019, 10, 2062.	2.2	6
17	Reduced expression of the Ion channel CFTR contributes to airspace enlargement as a consequence of aging and in response to cigarette smoke in mice. Respiratory Research, 2019, 20, 200.	1.4	8
18	A Novel Supplementation Approach to Enhance Host Response to Sublingual Vaccination. Scientific Reports, 2019, 9, 715.	1.6	7

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19	Salmonella-Mediated Inflammation Eliminates Competitors for Fructose-Asparagine in the Gut. Infection and Immunity, 2018, 86, .	1.0	12
20	Intranasal delivery of influenza antigen by nanoparticles, but not NKT-cell adjuvant differentially induces the expression of B-cell activation factors in mice and swine. Cellular Immunology, 2018, 329, 27-30.	1.4	12
21	The psychoactive substance of cannabis Î”9-tetrahydrocannabinol (THC) negatively regulates CFTR in airway cells. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1988-1994.	1.1	6
22	Inhibitors of elastase stimulate murine B lymphocyte differentiation into IgGâ€•and IgAâ€•producing cells. European Journal of Immunology, 2018, 48, 1295-1301.	1.6	7
23	Intestinal Epithelial Cells Regulate Gut Eotaxin Responses and Severity of Allergy. Frontiers in Immunology, 2018, 9, 1692.	2.2	14
24	Inducing Mucosal IgA: A Challenge for Vaccine Adjuvants and Delivery Systems. Journal of Immunology, 2017, 199, 9-16.	0.4	164
25	Sublingual targeting of STING with 3â€²3â€²-cGAMP promotes systemic and mucosal immunity against anthrax toxins. Vaccine, 2017, 35, 2511-2519.	1.7	28
26	Cathepsin K Localizes to Equine Bone In Vivo and Inhibits Bone Marrow Stem and Progenitor Cells Differentiation In Vitro. Journal of Stem Cells and Regenerative Medicine, 2017, 13, 45-53.	2.2	7
27	Use of Attenuated but Metabolically Competent Salmonella as a Probiotic To Prevent or Treat Salmonella Infection. Infection and Immunity, 2016, 84, 2131-2140.	1.0	13
28	Cathepsin K inhibition renders equine bone marrow nucleated cells hypo-responsive to LPS and unmethylated CpG stimulation in vitro. Comparative Immunology, Microbiology and Infectious Diseases, 2016, 45, 40-47.	0.7	7
29	ILâ€17A promotes susceptibility during experimental visceral leishmaniasis caused byLeishmania donovani. FASEB Journal, 2016, 30, 1135-1143.	0.2	58
30	Deletion of the nuclear localization sequence and C-terminus of parathyroid hormoneâ€“related protein decreases osteogenesis and chondrogenesis but increases adipogenesis and myogenesis in murine bone marrow stromal cells. Journal of Tissue Engineering, 2015, 6, 204173141560929.	2.3	0
31	Cigarette smoke exposure reveals a novel role for the MEK/ERK1/2 MAPK pathway in regulation of CFTR. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 1224-1232.	1.1	40
32	In Vivo Assessment of NS1-Truncated Influenza Virus with a Novel SLSYSINWRH Motif as a Self-Adjuvanting Live Attenuated Vaccine. PLoS ONE, 2015, 10, e0118934.	1.1	9
33	Cry Protein Crystals: A Novel Platform for Protein Delivery. PLoS ONE, 2015, 10, e0127669.	1.1	20
34	Routes of Allergic Sensitization and Myeloid Cell IKKÎ² Differentially Regulate Antibody Responses and Allergic Airway Inflammation in Male and Female Mice. PLoS ONE, 2014, 9, e92307.	1.1	15
35	Fructose-Asparagine Is a Primary Nutrient during Growth of Salmonella in the Inflamed Intestine. PLoS Pathogens, 2014, 10, e1004209.	2.1	65
36	Accumulation of metals in GOLD4 COPD lungs is associated with decreased CFTR levels. Respiratory Research, 2014, 15, 69.	1.4	53

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37	An NF-Î²Bâ€“Independent and Erk1/2-Dependent Mechanism Controls CXCL8/IL-8 Responses of Airway Epithelial Cells to Cadmium. Toxicological Sciences, 2012, 125, 418-429.	1.4	47
38	Curcumin regulates airway epithelial cell cytokine responses to the pollutant cadmium. Biochemical and Biophysical Research Communications, 2012, 417, 256-261.	1.0	55
39	MiR-101 and miR-144 Regulate the Expression of the CFTR Chloride Channel in the Lung. PLoS ONE, 2012, 7, e50837.	1.1	131
40	In situgastrointestinal protection against anthrax edema toxin by single-chain antibody fragment producing lactobacilli. BMC Biotechnology, 2011, 11, 126.	1.7	23
41	The midregion, nuclear localization sequence, and C terminus of PTHrP regulate skeletal development, hematopoiesis, and survival in mice. FASEB Journal, 2010, 24, 1947-1957.	0.2	71
42	Cadmium Regulates the Expression of the CFTR Chloride Channel in Human Airway Epithelial Cells. Toxicological Sciences, 2010, 116, 349-358.	1.4	61
43	Contributions of Edema Factor and Protective Antigen to the Induction of Protective Immunity by Bacillus anthracis Edema Toxin as an Intranasal Adjuvant. Journal of Immunology, 2010, 185, 5943-5952.	0.4	18
44	A truncated CFTR protein rescues endogenous âˆ†F508â€CFTR and corrects chloride transport in mice. FASEB Journal, 2009, 23, 3743-3751.	0.2	13
45	A combination of Flt3 ligand cDNA and CpG ODN as nasal adjuvant elicits NALT dendritic cells for prolonged mucosal immunity. Vaccine, 2008, 26, 4849-4859.	1.7	61
46	Low temperature induces the delivery of mature and immature CFTR to the plasma membrane. Biochemical and Biophysical Research Communications, 2008, 366, 1025-1029.	1.0	38
47	Mucosal Immunity Against Anthrax. , 2008, , 367-381.		0
48	A single intranasal immunization with inactivated influenza virus and Î±-galactosylceramide induces long-term protective immunity without redirecting antigen to the central nervous system. Vaccine, 2007, 25, 5189-5198.	1.7	85
49	Th1 and Th2 cells are required for both eosinophil- and neutrophil-associated airway inflammatory responses in mice. Biochemical and Biophysical Research Communications, 2007, 357, 44-49.	1.0	27
50	Uptake of ingested bovine lactoferrin and its accumulation in adult mouse tissues. International Immunopharmacology, 2007, 7, 1387-1393.	1.7	71
51	Regulation of physiological and pathological Th1 and Th2 responses by lactoferrinThis paper is one of a selection of papers published in this Special Issue, entitled 7th International Conference on Lactoferrin: Structure, Function, and Applications, and has undergone the Journal's usual peer review process.. Biochemistry and Cell Biology, 2006, 84, 303-311.	0.9	81
52	A Second Generation of Double Mutant Cholera Toxin Adjuvants: Enhanced Immunity without Intracellular Trafficking. Journal of Immunology, 2006, 177, 3045-3054.	0.4	42
53	Bacillus anthracisEdema Toxin Acts as an Adjuvant for Mucosal Immune Responses to Nasally Administered Vaccine Antigens. Journal of Immunology, 2006, 176, 1776-1783.	0.4	73
54	Mucosal Vaccines: An Overview. , 2005, , 855-874.		22

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55	Peanut-lupine antibody cross-reactivity is not associated to cross-allergenicity in peanut-sensitized mouse strains. International Immunopharmacology, 2005, 5, 1427-1435.	1.7	18
56	Prior exposure to the carrier regulates rat immune responses to a conjugate vaccine. International Immunopharmacology, 2005, 5, 1633-1640.	1.7	0
57	Oral and Nasal Sensitization Promote Distinct Immune Responses and Lung Reactivity in a Mouse Model of Peanut Allergy. American Journal of Pathology, 2005, 167, 1621-1630.	1.9	49
58	Non-GMI Ganglioside-Targeting Bacterial Toxins and Derivatives with Mucosal Adjuvant Activity. International Journal of Oral-Medical Sciences, 2005, 4, 53-60.	0.2	1
59	Dendritic Cells Targeting Flt3 Ligand As Molecular Mucosal Adjuvant. International Journal of Oral-Medical Sciences, 2005, 3, 111-120.	0.2	0
60	The Mode of Oral Bovine Lactoferrin Administration Influences Mucosal and Systemic Immune Responses in Mice. Journal of Nutrition, 2004, 134, 403-409.	1.3	80
61	Granulocyte chemotactic protein-2 mediates adaptive immunity in part through IL-8RÎ² interactions. Journal of Leukocyte Biology, 2004, 76, 1240-1247.	1.5	4
62	The [173â€“196] fragment of ovalbumin suppresses ovalbumin-specific rat IgE responses. International Immunopharmacology, 2003, 3, 1569-1579.	1.7	7
63	Chimeras of Labile Toxin One and Cholera Toxin Retain Mucosal Adjuvanticity and Direct Th Cell Subsets Via Their B Subunit. Journal of Immunology, 2003, 170, 454-462.	0.4	51
64	Effective Mucosal Immunity to Anthrax: Neutralizing Antibodies and Th Cell Responses Following Nasal Immunization with Protective Antigen. Journal of Immunology, 2003, 170, 5636-5643.	0.4	131
65	MIP-1Î± and MIP-1Î² differentially mediate mucosal and systemic adaptive immunity. Blood, 2003, 101, 807-814.	0.6	84
66	Therapeutic Manipulation of the Immune System: Enhancement of Innate and Adaptive Mucosal Immunity. Current Pharmaceutical Design, 2003, 9, 1965-1972.	0.9	42
67	Cytokines as adjuvants for the induction of mucosal immunity. Advanced Drug Delivery Reviews, 2001, 51, 71-79.	6.6	49
68	A revisit of mucosal IgA immunity and oral tolerance. Acta Odontologica Scandinavica, 2001, 59, 301-308.	0.9	38
69	Oral QS-21 Requires Early IL-4 Help for Induction of Mucosal and Systemic Immunity. Journal of Immunology, 2001, 166, 2283-2290.	0.4	57
70	RANTES Potentiates Antigen-Specific Mucosal Immune Responses. Journal of Immunology, 2001, 166, 162-169.	0.4	108
71	Human Nasopharyngeal-Associated Lymphoreticular Tissues. American Journal of Pathology, 2000, 157, 2023-2035.	1.9	85
72	Syntaxin 1A is expressed in airway epithelial cells, where it modulates CFTR Clâ€“ currents. Journal of Clinical Investigation, 2000, 105, 377-386.	3.9	63

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73	Interleukin 12 and innate molecules for enhanced mucosal immunity. Immunologic Research, 1999, 20, 207-217.	1.3	27
74	Intraepithelial lymphocytes from villus tip and crypt portions of the murine small intestine show distinct characteristics. Gastroenterology, 1998, 115, 866-873.	0.6	12
75	Novel approaches for the induction of T helper 1 (Th1)- or Th2-type mucosal and parenteral immune responses. Expert Opinion on Investigational Drugs, 1998, 7, 1657-1666.	1.9	3
76	Secretion of Sparfloxacin from the Human Intestinal Caco-2 Cell Line Is Altered by P-Glycoprotein Inhibitors. Antimicrobial Agents and Chemotherapy, 1998, 42, 2607-2611.	1.4	49
77	Influenza Virus-Infected Epithelial Cells Present Viral Antigens to Antigen-Specific CD8⁺Cytotoxic T Lymphocytes. Journal of Virology, 1998, 72, 4534-4536.	1.5	24
78	Oral but Not Parenteral Interleukin (IL)-12 Redirects T Helper 2 (Th2)-type Responses to an Oral Vaccine Without Altering Mucosal IgA Responses. Journal of Experimental Medicine, 1997, 185, 415-428.	4.2	127
79	A Novel Alkaline Phosphatase-Based Isolation Method Allows Characterization of Intraepithelial Lymphocytes from Villi Tip and Crypt Regions of Murine Small Intestine. Biochemical and Biophysical Research Communications, 1997, 241, 797-802.	1.0	8
80	Interleukin-12 Alters Helper T-Cell Subsets and Antibody Profiles Induced by the Mucosal Adjuvant Cholera Toxin. Annals of the New York Academy of Sciences, 1996, 795, 361-365.	1.8	7