

Prosper N Boyaka

List of Publications by Year in descending order

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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	Inducing Mucosal IgA: A Challenge for Vaccine Adjuvants and Delivery Systems. <i>Journal of Immunology</i> , 2017, 199, 9-16.	0.4	164
2	Effective Mucosal Immunity to Anthrax: Neutralizing Antibodies and Th Cell Responses Following Nasal Immunization with Protective Antigen. <i>Journal of Immunology</i> , 2003, 170, 5636-5643.	0.4	131
3	MiR-101 and miR-144 Regulate the Expression of the CFTR Chloride Channel in the Lung. <i>PLoS ONE</i> , 2012, 7, e50837.	1.1	131
4	Oral but Not Parenteral Interleukin (IL)-12 Redirects T Helper 2 (Th2)-type Responses to an Oral Vaccine Without Altering Mucosal IgA Responses. <i>Journal of Experimental Medicine</i> , 1997, 185, 415-428.	4.2	127
5	RANTES Potentiates Antigen-Specific Mucosal Immune Responses. <i>Journal of Immunology</i> , 2001, 166, 162-169.	0.4	108
6	Human Nasopharyngeal-Associated Lymphoreticular Tissues. <i>American Journal of Pathology</i> , 2000, 157, 2023-2035.	1.9	85
7	A single intranasal immunization with inactivated influenza virus and β -galactosylceramide induces long-term protective immunity without redirecting antigen to the central nervous system. <i>Vaccine</i> , 2007, 25, 5189-5198.	1.7	85
8	MIP-1 α and MIP-1 β differentially mediate mucosal and systemic adaptive immunity. <i>Blood</i> , 2003, 101, 807-814.	0.6	84
9	Regulation of physiological and pathological Th1 and Th2 responses by lactoferrin This 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. <i>Biochemistry and Cell Biology</i> , 2006, 84, 303-311.	0.9	81
10	The Mode of Oral Bovine Lactoferrin Administration Influences Mucosal and Systemic Immune Responses in Mice. <i>Journal of Nutrition</i> , 2004, 134, 403-409.	1.3	80
11	<i>Bacillus anthracis</i> Edema Toxin Acts as an Adjuvant for Mucosal Immune Responses to Nasally Administered Vaccine Antigens. <i>Journal of Immunology</i> , 2006, 176, 1776-1783.	0.4	73
12	Uptake of ingested bovine lactoferrin and its accumulation in adult mouse tissues. <i>International Immunopharmacology</i> , 2007, 7, 1387-1393.	1.7	71
13	The midregion, nuclear localization sequence, and C terminus of PTHrP regulate skeletal development, hematopoiesis, and survival in mice. <i>FASEB Journal</i> , 2010, 24, 1947-1957.	0.2	71
14	Fructose-Asparagine Is a Primary Nutrient during Growth of Salmonella in the Inflamed Intestine. <i>PLoS Pathogens</i> , 2014, 10, e1004209.	2.1	65
15	Syntaxin 1A is expressed in airway epithelial cells, where it modulates CFTR Cl ⁻ currents. <i>Journal of Clinical Investigation</i> , 2000, 105, 377-386.	3.9	63
16	A combination of Flt3 ligand cDNA and CpG ODN as nasal adjuvant elicits NALT dendritic cells for prolonged mucosal immunity. <i>Vaccine</i> , 2008, 26, 4849-4859.	1.7	61
17	Cadmium Regulates the Expression of the CFTR Chloride Channel in Human Airway Epithelial Cells. <i>Toxicological Sciences</i> , 2010, 116, 349-358.	1.4	61
18	IL-17A promotes susceptibility during experimental visceral leishmaniasis caused by <i>Leishmania donovani</i> . <i>FASEB Journal</i> , 2016, 30, 1135-1143.	0.2	58

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19	Oral QS-21 Requires Early IL-4 Help for Induction of Mucosal and Systemic Immunity. <i>Journal of Immunology</i> , 2001, 166, 2283-2290.	0.4	57
20	Curcumin regulates airway epithelial cell cytokine responses to the pollutant cadmium. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 256-261.	1.0	55
21	Accumulation of metals in GOLD4 COPD lungs is associated with decreased CFTR levels. <i>Respiratory Research</i> , 2014, 15, 69.	1.4	53
22	Chimeras of Labile Toxin One and Cholera Toxin Retain Mucosal Adjuvanticity and Direct Th Cell Subsets Via Their B Subunit. <i>Journal of Immunology</i> , 2003, 170, 454-462.	0.4	51
23	Secretion of Sparfloxacin from the Human Intestinal Caco-2 Cell Line Is Altered by P-Glycoprotein Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 1998, 42, 2607-2611.	1.4	49
24	Cytokines as adjuvants for the induction of mucosal immunity. <i>Advanced Drug Delivery Reviews</i> , 2001, 51, 71-79.	6.6	49
25	Oral and Nasal Sensitization Promote Distinct Immune Responses and Lung Reactivity in a Mouse Model of Peanut Allergy. <i>American Journal of Pathology</i> , 2005, 167, 1621-1630.	1.9	49
26	A safe and highly efficacious measles virus-based vaccine expressing SARS-CoV-2 stabilized prefusion spike. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	48
27	An NF- κ B-Independent and Erk1/2-Dependent Mechanism Controls CXCL8/IL-8 Responses of Airway Epithelial Cells to Cadmium. <i>Toxicological Sciences</i> , 2012, 125, 418-429.	1.4	47
28	A Second Generation of Double Mutant Cholera Toxin Adjuvants: Enhanced Immunity without Intracellular Trafficking. <i>Journal of Immunology</i> , 2006, 177, 3045-3054.	0.4	42
29	Therapeutic Manipulation of the Immune System: Enhancement of Innate and Adaptive Mucosal Immunity. <i>Current Pharmaceutical Design</i> , 2003, 9, 1965-1972.	0.9	42
30	Cigarette smoke exposure reveals a novel role for the MEK/ERK1/2 MAPK pathway in regulation of CFTR. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1224-1232.	1.1	40
31	A revisit of mucosal IgA immunity and oral tolerance. <i>Acta Odontologica Scandinavica</i> , 2001, 59, 301-308.	0.9	38
32	Low temperature induces the delivery of mature and immature CFTR to the plasma membrane. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 1025-1029.	1.0	38
33	Sublingual targeting of STING with 3 α -cGAMP promotes systemic and mucosal immunity against anthrax toxins. <i>Vaccine</i> , 2017, 35, 2511-2519.	1.7	28
34	Interleukin 12 and innate molecules for enhanced mucosal immunity. <i>Immunologic Research</i> , 1999, 20, 207-217.	1.3	27
35	Th1 and Th2 cells are required for both eosinophil- and neutrophil-associated airway inflammatory responses in mice. <i>Biochemical and Biophysical Research Communications</i> , 2007, 357, 44-49.	1.0	27
36	Caspase-4/11 exacerbates disease severity in SARS-CoV-2 infection by promoting inflammation and immunothrombosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2202012119.	3.3	25

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37	Influenza Virus-Infected Epithelial Cells Present Viral Antigens to Antigen-Specific CD8 ⁺ Cytotoxic T Lymphocytes. <i>Journal of Virology</i> , 1998, 72, 4534-4536.	1.5	24
38	In situgastrointestinal protection against anthrax edema toxin by single-chain antibody fragment producing lactobacilli. <i>BMC Biotechnology</i> , 2011, 11, 126.	1.7	23
39	Mucosal Vaccines: An Overview. , 2005, , 855-874.		22
40	Cry Protein Crystals: A Novel Platform for Protein Delivery. <i>PLoS ONE</i> , 2015, 10, e0127669.	1.1	20
41	Peanut-lupine antibody cross-reactivity is not associated to cross-allergenicity in peanut-sensitized mouse strains. <i>International Immunopharmacology</i> , 2005, 5, 1427-1435.	1.7	18
42	Contributions of Edema Factor and Protective Antigen to the Induction of Protective Immunity by <i>Bacillus anthracis</i> Edema Toxin as an Intranasal Adjuvant. <i>Journal of Immunology</i> , 2010, 185, 5943-5952.	0.4	18
43	Routes of Allergic Sensitization and Myeloid Cell IKK β Differentially Regulate Antibody Responses and Allergic Airway Inflammation in Male and Female Mice. <i>PLoS ONE</i> , 2014, 9, e92307.	1.1	15
44	Inhibition of elastase enhances the adjuvanticity of alum and promotes anti-SARS-CoV-2 systemic and mucosal immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
45	Intestinal Epithelial Cells Regulate Gut Eotaxin Responses and Severity of Allergy. <i>Frontiers in Immunology</i> , 2018, 9, 1692.	2.2	14
46	A truncated CFTR protein rescues endogenous $\Delta F508$ CFTR and corrects chloride transport in mice. <i>FASEB Journal</i> , 2009, 23, 3743-3751.	0.2	13
47	Use of Attenuated but Metabolically Competent Salmonella as a Probiotic To Prevent or Treat Salmonella Infection. <i>Infection and Immunity</i> , 2016, 84, 2131-2140.	1.0	13
48	Intraepithelial lymphocytes from villus tip and crypt portions of the murine small intestine show distinct characteristics. <i>Gastroenterology</i> , 1998, 115, 866-873.	0.6	12
49	Salmonella-Mediated Inflammation Eliminates Competitors for Fructose-Asparagine in the Gut. <i>Infection and Immunity</i> , 2018, 86, .	1.0	12
50	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. <i>Cellular Immunology</i> , 2018, 329, 27-30.	1.4	12
51	Viral RNA N6-methyladenosine modification modulates both innate and adaptive immune responses of human respiratory syncytial virus. <i>PLoS Pathogens</i> , 2021, 17, e1010142.	2.1	12
52	A Methyltransferase-Defective Vesicular Stomatitis Virus-Based SARS-CoV-2 Vaccine Candidate Provides Complete Protection against SARS-CoV-2 Infection in Hamsters. <i>Journal of Virology</i> , 2021, 95, e0059221.	1.5	11
53	Vesicular Stomatitis Virus and DNA Vaccines Expressing Zika Virus Nonstructural Protein 1 Induce Substantial but Not Sterilizing Protection against Zika Virus Infection. <i>Journal of Virology</i> , 2020, 94, .	1.5	10
54	Effects of Intravenous Antimicrobial Drugs on the Equine Fecal Microbiome. <i>Animals</i> , 2022, 12, 1013.	1.0	10

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55	In Vivo Assessment of NS1-Truncated Influenza Virus with a Novel SLSYSINWRH Motif as a Self-Adjuvanting Live Attenuated Vaccine. <i>PLoS ONE</i> , 2015, 10, e0118934.	1.1	9
56	A Novel Alkaline Phosphatase-Based Isolation Method Allows Characterization of Intraepithelial Lymphocytes from Villi Tip and Crypt Regions of Murine Small Intestine. <i>Biochemical and Biophysical Research Communications</i> , 1997, 241, 797-802.	1.0	8
57	Reduced expression of the Ion channel CFTR contributes to airspace enlargement as a consequence of aging and in response to cigarette smoke in mice. <i>Respiratory Research</i> , 2019, 20, 200.	1.4	8
58	Interleukin-12 Alters Helper T-Cell Subsets and Antibody Profiles Induced by the Mucosal Adjuvant Cholera Toxin. <i>Annals of the New York Academy of Sciences</i> , 1996, 795, 361-365.	1.8	7
59	The [173-196] fragment of ovalbumin suppresses ovalbumin-specific rat IgE responses. <i>International Immunopharmacology</i> , 2003, 3, 1569-1579.	1.7	7
60	Cathepsin K inhibition renders equine bone marrow nucleated cells hypo-responsive to LPS and unmethylated CpG stimulation in vitro. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2016, 45, 40-47.	0.7	7
61	Inhibitors of elastase stimulate murine B lymphocyte differentiation into IgG ₁ - and IgA ₁ -producing cells. <i>European Journal of Immunology</i> , 2018, 48, 1295-1301.	1.6	7
62	Host Defenses at Mucosal Surfaces. , 2019, , 285-298.e1.		7
63	A Novel Supplementation Approach to Enhance Host Response to Sublingual Vaccination. <i>Scientific Reports</i> , 2019, 9, 715.	1.6	7
64	Cathepsin K Localizes to Equine Bone In Vivo and Inhibits Bone Marrow Stem and Progenitor Cells Differentiation In Vitro. <i>Journal of Stem Cells and Regenerative Medicine</i> , 2017, 13, 45-53.	2.2	7
65	The psychoactive substance of cannabis ¹⁹ -tetrahydrocannabinol (THC) negatively regulates CFTR in airway cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1988-1994.	1.1	6
66	Mice Deficient in Epithelial or Myeloid Cell $\text{IL}1\beta$ Have Distinct Colonic Microbiomes and Increased Resistance to <i>Citrobacter rodentium</i> Infection. <i>Frontiers in Immunology</i> , 2019, 10, 2062.	2.2	6
67	Granulocyte chemotactic protein-2 mediates adaptive immunity in part through $\text{IL-8R}1\beta$ interactions. <i>Journal of Leukocyte Biology</i> , 2004, 76, 1240-1247.	1.5	4
68	Caspase-11 regulates lung inflammation in response to house dust mites. <i>Cellular Immunology</i> , 2021, 370, 104425.	1.4	4
69	Targeting the EGFR \rightarrow ERK axis using the compatible solute ectoine to stabilize CFTR mutant F508del. <i>FASEB Journal</i> , 2022, 36, e22270.	0.2	4
70	Novel approaches for the induction of T helper 1 (Th1)- or Th2-type mucosal and parenteral immune responses. <i>Expert Opinion on Investigational Drugs</i> , 1998, 7, 1657-1666.	1.9	3
71	In Vivo Tumorigenesis, Osteolytic Sarcomas, and Tumorigenic Cell Lines from Transgenic Mice Expressing the Human T-Lymphotropic Virus Type 1 (HTLV-1) Tax Viral Oncogene. <i>American Journal of Pathology</i> , 2021, 191, 335-352.	1.9	3
72	Broad-Spectrum and Gram-Negative-Targeting Antibiotics Differentially Regulate Antibody Isotype Responses to Injected Vaccines. <i>Vaccines</i> , 2021, 9, 1240.	2.1	3

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73	Escherichia coli O157:H7 in Retail Lettuce (<i>Lactuca sativa</i>) in Addis Ababa City: Magnitude of Contamination and Antimicrobial Susceptibility Pattern. <i>Frontiers in Microbiology</i> , 2021, 12, 694506.	1.5	2
74	Pollutants enhance IgE sensitization in the gut via local alteration of vitamin D-metabolizing enzymes. <i>Mucosal Immunology</i> , 2021, , .	2.7	2
75	Non-GMI Ganglioside-Targeting Bacterial Toxins and Derivatives with Mucosal Adjuvant Activity. <i>International Journal of Oral-Medical Sciences</i> , 2005, 4, 53-60.	0.2	1
76	Prior exposure to the carrier regulates rat immune responses to a conjugate vaccine. <i>International Immunopharmacology</i> , 2005, 5, 1633-1640.	1.7	0
77	Deletion of the nuclear localization sequence and C-terminus of parathyroid hormone-related protein decreases osteogenesis and chondrogenesis but increases adipogenesis and myogenesis in murine bone marrow stromal cells. <i>Journal of Tissue Engineering</i> , 2015, 6, 204173141560929.	2.3	0
78	Toxin-Based Modulators for Regulation of Mucosal Immune Responses. , 2020, , 185-201.		0
79	Dendritic Cells Targeting Flt3 Ligand As Molecular Mucosal Adjuvant. <i>International Journal of Oral-Medical Sciences</i> , 2005, 3, 111-120.	0.2	0
80	Mucosal Immunity Against Anthrax. , 2008, , 367-381.		0