

# Donald N Cook

## List of Publications by Year in descending order

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106  
papers

10,372  
citations

50170

46  
h-index

38300

95  
g-index

108  
all docs

108  
docs citations

108  
times ranked

13563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of microglial neurotoxicity by the fractalkine receptor. <i>Nature Neuroscience</i> , 2006, 9, 917-924.	7.1	1,334
2	Toll-like receptors in the pathogenesis of human disease. <i>Nature Immunology</i> , 2004, 5, 975-979.	7.0	809
3	Requirement of MIP-1 alpha for an inflammatory response to viral infection. <i>Science</i> , 1995, 269, 1583-1585.	6.0	626
4	CCR6 Mediates Dendritic Cell Localization, Lymphocyte Homeostasis, and Immune Responses in Mucosal Tissue. <i>Immunity</i> , 2000, 12, 495-503.	6.6	478
5	Molecular identification and characterization of the platelet ADP receptor targeted by thienopyridine antithrombotic drugs. <i>Journal of Clinical Investigation</i> , 2001, 107, 1591-1598.	3.9	367
6	Allergic Sensitization through the Airway Primes Th17-dependent Neutrophilia and Airway Hyperresponsiveness. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 180, 720-730.	2.5	354
7	Attenuation of Allergen-Induced Responses in CCR6 <sup>-/-</sup> Mice Is Dependent upon Altered Pulmonary T Lymphocyte Activation. <i>Journal of Immunology</i> , 2005, 174, 2054-2060.	0.4	306
8	Depletion of host Langerhans cells before transplantation of donor alloreactive T cells prevents skin graft-versus-host disease. <i>Nature Medicine</i> , 2004, 10, 510-517.	15.2	298
9	Blood-derived inflammatory dendritic cells in lymph nodes stimulate acute T helper type 1 immune responses. <i>Nature Immunology</i> , 2009, 10, 394-402.	7.0	294
10	Wound Healing in MIP-1 $\alpha$ <sup>-/-</sup> and MCP-1 <sup>-/-</sup> Mice. <i>American Journal of Pathology</i> , 2001, 159, 457-463.	1.9	289
11	The chemokine receptor D6 limits the inflammatory response in vivo. <i>Nature Immunology</i> , 2005, 6, 403-411.	7.0	279
12	CCL5-CCR5 interaction provides antiapoptotic signals for macrophage survival during viral infection. <i>Nature Medicine</i> , 2005, 11, 1180-1187.	15.2	263
13	Aberrant in Vivo T Helper Type 2 Cell Response and Impaired Eosinophil Recruitment in Cc Chemokine Receptor 8 Knockout Mice. <i>Journal of Experimental Medicine</i> , 2001, 193, 573-584.	4.2	222
14	The role of MIP-1 $\alpha$ in Inflammation and hematopoiesis. <i>Journal of Leukocyte Biology</i> , 1996, 59, 61-66.	1.5	194
15	Protection against inflammation- and autoantibody-caused fetal loss by the chemokine decoy receptor D6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2319-2324.	3.3	171
16	IL-35 production by inducible costimulator (ICOS) <sup>+</sup> positive regulatory T cells reverses established IL-17 $\alpha$ -dependent allergic airways disease. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 207-215.e5.	1.5	159
17	The Role of Toll-like Receptor 4 in Environmental Airway Injury in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 170, 126-132.	2.5	152
18	Differential Expression of CC Chemokines and the CCR5 Receptor in the Pancreas Is Associated with Progression to Type I Diabetes. <i>Journal of Immunology</i> , 2000, 165, 1102-1110.	0.4	144

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19	Generation and Analysis of Mice Lacking the Chemokine Fractalkine. <i>Molecular and Cellular Biology</i> , 2001, 21, 3159-3165.	1.1	143
20	Pulmonary CD103+ dendritic cells prime Th2 responses to inhaled allergens. <i>Mucosal Immunology</i> , 2012, 5, 53-65.	2.7	140
21	Retinoic Acid-Related Orphan Receptors (RORs): Regulatory Functions in Immunity, Development, Circadian Rhythm, and Metabolism. <i>Nuclear Receptor Research</i> , 2015, 2, .	2.5	136
22	Requirement for the Chemokine Receptor Ccr6 in Allergic Pulmonary Inflammation. <i>Journal of Experimental Medicine</i> , 2001, 194, 551-556.	4.2	134
23	Increased inflammation in mice deficient for the chemokine decoy receptor D6. <i>European Journal of Immunology</i> , 2005, 35, 1342-1346.	1.6	131
24	T-lymphocyte production of macrophage inflammatory protein-1 $\beta$ is critical to the recruitment of CD8+ T cells to the liver, lung, and spleen during graft-versus-host disease. <i>Blood</i> , 2000, 96, 2973-2980.	0.6	127
25	Absence of Macrophage Inflammatory Protein-1 $\beta$ Prevents the Development of Blinding Herpes Stromal Keratitis. <i>Journal of Virology</i> , 1998, 72, 3705-3710.	1.5	117
26	Impaired T Cell Function in RANTES-Deficient Mice. <i>Clinical Immunology</i> , 2002, 102, 302-309.	1.4	107
27	The Toll-like receptor 5 ligand flagellin promotes asthma by priming allergic responses to indoor allergens. <i>Nature Medicine</i> , 2012, 18, 1705-1710.	15.2	106
28	TLR4 Signaling Attenuates Ongoing Allergic Inflammation. <i>Journal of Immunology</i> , 2006, 176, 5856-5862.	0.4	94
29	The Role of Macrophage Inflammatory Protein-1 $\beta$ /CCL3 in Regulation of T Cell-Mediated Immunity to <i>Cryptococcus neoformans</i> Infection. <i>Journal of Immunology</i> , 2000, 165, 6429-6436.	0.4	92
30	The Critical Role of Hematopoietic Cells in Lipopolysaccharide-induced Airway Inflammation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 171, 806-813.	2.5	88
31	Reversing SMAD4-mediated suppression is essential for TH17 cell differentiation. <i>Nature</i> , 2017, 551, 105-109.	13.7	88
32	Distinct Tlr4-expressing cell compartments control neutrophilic and eosinophilic airway inflammation. <i>Mucosal Immunology</i> , 2015, 8, 863-873.	2.7	83
33	Absence of Macrophage-Inflammatory Protein-1 $\beta$ Delays Central Nervous System Demyelination in the Presence of an Intact Blood-Brain Barrier. <i>Journal of Immunology</i> , 2001, 167, 2964-2971.	0.4	80
34	The Chemokine Receptor D6 Has Opposing Effects on Allergic Inflammation and Airway Reactivity. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007, 175, 243-249.	2.5	79
35	Impaired Pulmonary Host Defense in Mice Lacking Expression of the CXC Chemokine Lungkine. <i>Journal of Immunology</i> , 2001, 166, 3362-3368.	0.4	76
36	NIAID, NIEHS, NHLBI, and MCAN Workshop Report: The indoor environment and childhood asthma—implications for home environmental intervention in asthma prevention and management. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 933-949.	1.5	75

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37	Early Endometriosis in Females Is Directed by Immune-Mediated Estrogen Receptor $\hat{\pm}$ and IL-6 Cross-Talk. <i>Endocrinology</i> , 2018, 159, 103-118.	1.4	75
38	Cutting Edge: The Silent Chemokine Receptor D6 Is Required for Generating T Cell Responses That Mediate Experimental Autoimmune Encephalomyelitis. <i>Journal of Immunology</i> , 2006, 177, 17-21.	0.4	70
39	Migratory properties of pulmonary dendritic cells are determined by their developmental lineage. <i>Mucosal Immunology</i> , 2013, 6, 678-691.	2.7	65
40	Strain-Dependent Genomic Factors Affect Allergen-Induced Airway Hyperresponsiveness in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 817-824.	1.4	59
41	Regulatory Effects of Macrophage Inflammatory Protein $\hat{1}\pm$ /CCL3 on the Development of Immunity to <i>Cryptococcus neoformans</i> Depend on Expression of Early Inflammatory Cytokines. <i>Infection and Immunity</i> , 2001, 69, 6256-6263.	1.0	58
42	CC chemokine receptor 8 potentiates donor Treg survival and is critical for the prevention of murine graft-versus-host disease. <i>Blood</i> , 2013, 122, 825-836.	0.6	58
43	(Inverse) Agonists of Retinoic Acidâ€™-Related Orphan Receptor $\hat{3}$ : Regulation of Immune Responses, Inflammation, and Autoimmune Disease. <i>Annual Review of Pharmacology and Toxicology</i> , 2020, 60, 371-390.	4.2	58
44	Cyclooxygenase-2 Regulates Th17 Cell Differentiation during Allergic Lung Inflammation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 37-49.	2.5	57
45	Complement Receptor C5aR1/CD88 and Dipeptidyl Peptidase-4/CD26 Define Distinct Hematopoietic Lineages of Dendritic Cells. <i>Journal of Immunology</i> , 2015, 194, 3808-3819.	0.4	52
46	Polymorphisms of the Toll-Like Receptors and Human Disease. <i>Clinical Infectious Diseases</i> , 2005, 41, S403-S407.	2.9	51
47	Tachykinin NK3-receptor deficiency does not inhibit pulmonary eosinophilia in allergic mice. <i>Pharmacological Research</i> , 2004, 50, 611-615.	3.1	48
48	Innate Immune Control of Pulmonary Dendritic Cell Trafficking. <i>Proceedings of the American Thoracic Society</i> , 2007, 4, 234-239.	3.5	47
49	The Chemokine, CCL3, and Its Receptor, CCR1, Mediate Thoracic Radiationâ€™-Induced Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011, 45, 127-135.	1.4	47
50	Leukocytes Expressing Green Fluorescent Protein as Novel Reagents for Adoptive Cell Transfer and Bone Marrow Transplantation Studies. <i>American Journal of Pathology</i> , 2001, 158, 41-47.	1.9	44
51	Distinct functions of CXCR4, CCR2, and CX3CR1 direct dendritic cell precursors from the bone marrow to the lung. <i>Journal of Leukocyte Biology</i> , 2017, 101, 1143-1153.	1.5	42
52	A Matrix for New Ideas in Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2002, 27, 122-124.	1.4	41
53	Alloimmune Lung Injury Induced by Local Innate Immune Activation Through Inhaled Lipopolysaccharide. <i>Transplantation</i> , 2007, 84, 1012-1019.	0.5	41
54	Murine T Lymphocytes Incapable of Producing Macrophage Inhibitory Protein- $\hat{1}\in$ Are Impaired in Causing Graft-Versus-Host Disease Across a Class I But Not Class II Major Histocompatibility Complex Barrier. <i>Blood</i> , 1999, 93, 43-50.	0.6	40

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55	Epigenetic Control of <i>Ccr7</i> Expression in Distinct Lineages of Lung Dendritic Cells. <i>Journal of Immunology</i> , 2014, 193, 4904-4913.	0.4	40
56	TNF is required for TLR ligand-mediated but not protease-mediated allergic airway inflammation. <i>Journal of Clinical Investigation</i> , 2017, 127, 3313-3326.	3.9	35
57	Cholesterol-25-hydroxylase promotes efferocytosis and resolution of lung inflammation. <i>JCI Insight</i> , 2020, 5, .	2.3	35
58	Genetic regulation of endotoxin-induced airway disease. <i>Genomics</i> , 2004, 83, 961-969.	1.3	34
59	CD11b+ lung dendritic cells at different stages of maturation induce Th17 or Th2 differentiation. <i>Nature Communications</i> , 2021, 12, 5029.	5.8	34
60	Ozone activates pulmonary dendritic cells and promotes allergic sensitization through a Toll-like receptor-dependent mechanism. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 1167-1170.	1.5	33
61	Modulation of Distinct Asthmatic Phenotypes in Mice by Dose-Dependent Inhalation of Microbial Products. <i>Environmental Health Perspectives</i> , 2014, 122, 34-42.	2.8	32
62	Precision-cut Mouse Lung Slices to Visualize Live Pulmonary Dendritic Cells. <i>Journal of Visualized Experiments</i> , 2017, . .	0.2	32
63	ATP Binding Cassette Transporter G1 Deletion Induces IL-17-Dependent Dysregulation of Pulmonary Adaptive Immunity. <i>Journal of Immunology</i> , 2012, 188, 5327-5336.	0.4	30
64	Isolation and Purification of Epithelial and Endothelial Cells from Mouse Lung. <i>Methods in Molecular Biology</i> , 2018, 1799, 59-69.	0.4	29
65	Endogenous glucocorticoids prevent gastric metaplasia by suppressing spontaneous inflammation. <i>Journal of Clinical Investigation</i> , 2019, 129, 1345-1358.	3.9	28
66	The chemokine receptor CCR6 is an important component of the innate immune response. <i>European Journal of Immunology</i> , 2007, 37, 2487-2498.	1.6	27
67	Glucocorticoids and Androgens Protect From Gastric Metaplasia by Suppressing Group 2 Innate Lymphoid Cell Activation. <i>Gastroenterology</i> , 2021, 161, 637-652.e4.	0.6	25
68	Proliferation of multipotent hematopoietic cells controlled by a truncated erythropoietin receptor transgene.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 9402-9407.	3.3	24
69	Epithelial membrane protein 2 governs transepithelial migration of neutrophils into the airspace. <i>Journal of Clinical Investigation</i> , 2019, 130, 157-170.	3.9	24
70	Two chemotactic factors, C5a and MIP-1 $\alpha$ , dramatically alter the mortality from zymosan-induced multiple organ dysfunction syndrome (MODS): C5a contributes to MODS while MIP-1 $\alpha$ has a protective role. <i>Molecular Immunology</i> , 1996, 33, 1135-1137.	1.0	22
71	UDP-glucose and P2Y14 receptor amplify allergen-induced airway eosinophilia. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	21
72	Murine endotoxin-induced uveitis, but not immune complex-induced uveitis, is dependent on the IL-8 receptor homolog. <i>Current Eye Research</i> , 1999, 19, 76-85.	0.7	20

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73	Exploration of Alternative Scaffolds for P2Y <sub>14</sub> Receptor Antagonists Containing a Biaryl Core. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9563-9589.	2.9	20
74	Neuropilin-2 regulates airway inflammatory responses to inhaled lipopolysaccharide. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L202-L211.	1.3	19
75	Pulmonary Antigen Presenting Cells: Isolation, Purification, and Culture. <i>Methods in Molecular Biology</i> , 2013, 1032, 19-29.	0.4	19
76	Therapeutic suppression of pulmonary neutrophilia and allergic airway hyperresponsiveness by an ROR $\alpha$ inverse agonist. <i>JCI Insight</i> , 2019, 4, .	2.3	19
77	Inhaled house dust programs pulmonary dendritic cells to promote type 2 T-cell responses by an indirect mechanism. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L1208-L1218.	1.3	18
78	MyD88-dependent dendritic and epithelial cell crosstalk orchestrates immune responses to allergens. <i>Mucosal Immunology</i> , 2018, 11, 796-810.	2.7	18
79	Toll-like receptors and the genetics of innate immunity. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2003, 3, 523-529.	1.1	17
80	Trif-dependent induction of Th17 immunity by lung dendritic cells. <i>Mucosal Immunology</i> , 2015, 8, 186-197.	2.7	17
81	Macrophage inflammatory protein-1 $\alpha$ uses a novel receptor for primitive hemopoietic cell inhibition. <i>Blood</i> , 2001, 98, 3476-3478.	0.6	15
82	Adipocyte P2Y <sub>14</sub> receptors play a key role in regulating whole-body glucose and lipid homeostasis. <i>JCI Insight</i> , 2021, 6, .	2.3	15
83	Structure-Activity Relationship of Heterocyclic P2Y <sub>14</sub> Receptor Antagonists: Removal of the Zwitterionic Character with Piperidine Bioisosteres. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 5099-5122.	2.9	11
84	Spontaneous Mutations in Recombinant Inbred Mice: Mutant Toll-like Receptor 4 (Tlr4) in BXD29 Mice. <i>Genetics</i> , 2006, 172, 1751-1755.	1.2	10
85	Scavenger Receptor BI Attenuates IL-17A-Dependent Neutrophilic Inflammation in Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 64, 698-708.	1.4	10
86	Pathogenic TH17 inflammation is sustained in the lungs by conventional dendritic cells and Toll-like receptor 4 signaling. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 1229-1242.e6.	1.5	9
87	The Genetics of Innate Immunity in the Lung. <i>Chest</i> , 2003, 123, 369S.	0.4	7
88	What's the deal with efferocytosis and asthma?. <i>Trends in Immunology</i> , 2021, 42, 904-919.	2.9	7
89	Role of Environmental Adjuvants in Asthma Development. <i>Current Allergy and Asthma Reports</i> , 2020, 20, 42.	2.4	6
90	Regulation of Immune Responses by Nonhematopoietic Cells in Asthma. <i>Journal of Immunology</i> , 2021, 206, 292-301.	0.4	6

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91	Bridged Piperidine Analogues of a High Affinity Naphthalene-Based P2Y <sub>14</sub> Antagonist. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 3434-3459.	2.9	6
92	Th17 Immunity in the Colon Is Controlled by Two Novel Subsets of Colon-Specific Mononuclear Phagocytes. <i>Frontiers in Immunology</i> , 2021, 12, 661290.	2.2	3
93	Murine T Lymphocytes Incapable of Producing Macrophage Inhibitory Protein-1 $\alpha$ Are Impaired in Causing Graft-Versus-Host Disease Across a Class I But Not Class II Major Histocompatibility Complex Barrier. <i>Blood</i> , 1999, 93, 43-50.	0.6	3
94	Toll-like receptors and airway disease. , 2006, , 63-86.		1
95	Imaging Precision-Cut Lung Slices to Visualize Leukocyte Localization and Trafficking. <i>Methods in Molecular Biology</i> , 2018, 1799, 237-246.	0.4	1
96	Effects of air pollutants on allergic sensitization through the airway. , 2011, , 139-156.		1
97	Gene targeting strategies to study chemokine function in vivo. <i>Methods in Enzymology</i> , 1997, 287, 186-206.	0.4	0
98	Bacterial Flagellin Acts As A Powerful Adjuvant For Th2 And Th17 Sensitization Through The Airway. , 2010, , .		0
99	Induction And Suppression Of IL-17-dependent Airway Neutrophilia And Hyperresponsiveness. , 2010, , .		0
100	The TLR5 Ligand, Bacterial Flagellin, Is The Major Adjuvant In Common House Dust. , 2011, , .		0
101	The Cholesterol Transporter ATP Binding Cassette G1 Regulates Allergen-Induced Pulmonary Inflammation. , 2011, , .		0
102	Pulmonary Dendritic Cells. , 2015, , 651-664.		0
103	Environmental Adjuvants Induce Neuropilin-2 Expression in Human and Murine Alveolar Macrophages. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, AB265.	1.5	0
104	A new wrinkle for skin dendritic cell migration. <i>Blood</i> , 2021, 137, 2716-2717.	0.6	0
105	Hyperoxia enhances response to respiratory syncytial virus (RSV) infection. <i>FASEB Journal</i> , 2013, 27, 1212.12.	0.2	0
106	A neutrophil/TGF- $\beta$ 2 axis limits the pathogenicity of allergen-specific CD4+ T cells. <i>JCI Insight</i> , 2022, 7, .	2.3	0