Donald N Cook

List of Publications by Year
in descending order

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	Bridged Piperidine Analogues of a High Affinity Naphthalene-Based P2Y₁₄R Antagonist. Journal of Medicinal Chemistry, 2022, 65, 3434-3459.	2.9	6
2	A neutrophil/TGF-Î² axis limits the pathogenicity of allergen-specific CD4+ T cells. JCI Insight, 2022, 7, .	2.3	0
3	Regulation of Immune Responses by Nonhematopoietic Cells in Asthma. Journal of Immunology, 2021, 206, 292-301.	0.4	6
4	Structureâ€“Activity Relationship of Heterocyclic P2Y14 Receptor Antagonists: Removal of the Zwitterionic Character with Piperidine Bioisosteres. Journal of Medicinal Chemistry, 2021, 64, 5099-5122.	2.9	11
5	Th17 Immunity in the Colon Is Controlled by Two Novel Subsets of Colon-Specific Mononuclear Phagocytes. Frontiers in Immunology, 2021, 12, 661290.	2.2	3
6	UDP-glucose and P2Y14 receptor amplify allergen-induced airway eosinophilia. Journal of Clinical Investigation, 2021, 131, .	3.9	21
7	A new wrinkle for skin dendritic cell migration. Blood, 2021, 137, 2716-2717.	0.6	0
8	Adipocyte P2Y14 receptors play a key role in regulating whole-body glucose and lipid homeostasis. JCI Insight, 2021, 6, .	2.3	15
9	Scavenger Receptor BI Attenuates IL-17Aâ€“Dependent Neutrophilic Inflammation in Asthma. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 698-708.	1.4	10
10	Glucocorticoids and Androgens Protect From Gastric Metaplasia by Suppressing Group 2 Innate Lymphoid Cell Activation. Gastroenterology, 2021, 161, 637-652.e4.	0.6	25
11	CD11b+ lung dendritic cells at different stages of maturation induce Th17 or Th2 differentiation. Nature Communications, 2021, 12, 5029.	5.8	34
12	Whatâ€™s the deal with efferocytosis and asthma?. Trends in Immunology, 2021, 42, 904-919.	2.9	7
13	(Inverse) Agonists of Retinoic Acidâ€“Related Orphan Receptor Î³: Regulation of Immune Responses, Inflammation, and Autoimmune Disease. Annual Review of Pharmacology and Toxicology, 2020, 60, 371-390.	4.2	58
14	Exploration of Alternative Scaffolds for P2Y₁₄ Receptor Antagonists Containing a Biaryl Core. Journal of Medicinal Chemistry, 2020, 63, 9563-9589.	2.9	20
15	Role of Environmental Adjuvants in Asthma Development. Current Allergy and Asthma Reports, 2020, 20, 42.	2.4	6
16	Cholesterol-25-hydroxylase promotes efferocytosis and resolution of lung inflammation. JCI Insight, 2020, 5, .	2.3	35
17	Therapeutic suppression of pulmonary neutrophilia and allergic airway hyperresponsiveness by an RORÎ³t inverse agonist. JCI Insight, 2019, 4, .	2.3	19
18	Endogenous glucocorticoids prevent gastric metaplasia by suppressing spontaneous inflammation. Journal of Clinical Investigation, 2019, 129, 1345-1358.	3.9	28

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19	Epithelial membrane protein 2 governs transepithelial migration of neutrophils into the airspace. Journal of Clinical Investigation, 2019, 130, 157-170.	3.9	24
20	Pathogenic TH17 inflammation is sustained in the lungs by conventional dendritic cells and Toll-like receptor 4 signaling. Journal of Allergy and Clinical Immunology, 2018, 142, 1229-1242.e6.	1.5	9
21	Early Endometriosis in Females Is Directed by Immune-Mediated Estrogen Receptor Î± and IL-6 Cross-Talk. Endocrinology, 2018, 159, 103-118.	1.4	75
22	MyD88-dependent dendritic and epithelial cell crosstalk orchestrates immune responses to allergens. Mucosal Immunology, 2018, 11, 796-810.	2.7	18
23	Isolation and Purification of Epithelial and Endothelial Cells from Mouse Lung. Methods in Molecular Biology, 2018, 1799, 59-69.	0.4	29
24	Imaging Precision-Cut Lung Slices to Visualize Leukocyte Localization and Trafficking. Methods in Molecular Biology, 2018, 1799, 237-246.	0.4	1
25	Neuropilin-2 regulates airway inflammatory responses to inhaled lipopolysaccharide. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L202-L211.	1.3	19
26	Distinct functions of CXCR4, CCR2, and CX3CR1 direct dendritic cell precursors from the bone marrow to the lung. Journal of Leukocyte Biology, 2017, 101, 1143-1153.	1.5	42
27	Environmental Adjuvants Induce Neuropilin-2 Expression in Human and Murine Alveolar Macrophages. Journal of Allergy and Clinical Immunology, 2017, 139, AB265.	1.5	0
28	NIAID, NIEHS, NHLBI, and MCAN Workshop Report: The indoor environment and childhood asthmaâ€"implications for home environmental intervention in asthma prevention and management. Journal of Allergy and Clinical Immunology, 2017, 140, 933-949.	1.5	75
29	Reversing SKIâ€“SMAD4-mediated suppression is essential for TH17 cell differentiation. Nature, 2017, 551, 105-109.	13.7	88
30	Precision-cut Mouse Lung Slices to Visualize Live Pulmonary Dendritic Cells. Journal of Visualized Experiments, 2017, , .	0.2	32
31	TNF is required for TLR ligandâ€“mediated but not protease-mediated allergic airway inflammation. Journal of Clinical Investigation, 2017, 127, 3313-3326.	3.9	35
32	Retinoic Acid-Related Orphan Receptors (RORs): Regulatory Functions in Immunity, Development, Circadian Rhythm, and Metabolism. Nuclear Receptor Research, 2015, 2, .	2.5	136
33	Complement Receptor C5aR1/CD88 and Dipeptidyl Peptidase-4/CD26 Define Distinct Hematopoietic Lineages of Dendritic Cells. Journal of Immunology, 2015, 194, 3808-3819.	0.4	52
34	Pulmonary Dendritic Cells. , 2015, , 651-664.		0
35	Distinct Tlr4-expressing cell compartments control neutrophilic and eosinophilic airway inflammation. Mucosal Immunology, 2015, 8, 863-873.	2.7	83
36	Trif-dependent induction of Th17 immunity by lung dendritic cells. Mucosal Immunology, 2015, 8, 186-197.	2.7	17

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37	Inhaled house dust programs pulmonary dendritic cells to promote type 2 T-cell responses by an indirect mechanism. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L1208-L1218.	1.3	18
38	Modulation of Distinct Asthmatic Phenotypes in Mice by Dose-Dependent Inhalation of Microbial Products. Environmental Health Perspectives, 2014, 122, 34-42.	2.8	32
39	Epigenetic Control of Ccr7 Expression in Distinct Lineages of Lung Dendritic Cells. Journal of Immunology, 2014, 193, 4904-4913.	0.4	40
40	Migratory properties of pulmonary dendritic cells are determined by their developmental lineage. Mucosal Immunology, 2013, 6, 678-691.	2.7	65
41	CC chemokine receptor 8 potentiates donor Treg survival and is critical for the prevention of murine graft-versus-host disease. Blood, 2013, 122, 825-836.	0.6	58
42	Pulmonary Antigen Presenting Cells: Isolation, Purification, and Culture. Methods in Molecular Biology, 2013, 1032, 19-29.	0.4	19
43	Hyperoxia enhances response to respiratory syncytial virus (RSV) infection. FASEB Journal, 2013, 27, 1212.12.	0.2	0
44	Pulmonary CD103+ dendritic cells prime Th2 responses to inhaled allergens. Mucosal Immunology, 2012, 5, 53-65.	2.7	140
45	ATP Binding Cassette Transporter G1 Deletion Induces IL-17â€“Dependent Dysregulation of Pulmonary Adaptive Immunity. Journal of Immunology, 2012, 188, 5327-5336.	0.4	30
46	The Toll-like receptor 5 ligand flagellin promotes asthma by priming allergic responses to indoor allergens. Nature Medicine, 2012, 18, 1705-1710.	15.2	106
47	IL-35 production by inducible costimulator (ICOS)â€“positive regulatory T cells reverses established IL-17â€“dependent allergic airways disease. Journal of Allergy and Clinical Immunology, 2012, 129, 207-215.e5.	1.5	159
48	The TLR5 Ligand, Bacterial Flagellin, Is The Major Adjuvant In Common House Dust. , 2011, , .		0
49	The Cholesterol Transporter ATP Binding Cassette G1 Regulates Allergen-Induced Pulmonary Inflammation. , 2011, , .		0
50	Strain-Dependent Genomic Factors Affect Allergen-Induced Airway Hyperresponsiveness in Mice. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 817-824.	1.4	59
51	Cyclooxygenase-2 Regulates Th17 Cell Differentiation during Allergic Lung Inflammation. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 37-49.	2.5	57
52	The Chemokine, CCL3, and Its Receptor, CCR1, Mediate Thoracic Radiationâ€“Induced Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 127-135.	1.4	47
53	Effects of air pollutants on allergic sensitization through the airway. , 2011, , 139-156.		1
54	Bacterial Flagellin Acts As A Powerful Adjuvant For Th2 And Th17 Sensitization Through The Airway. , 2010, , .		0

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55	Induction And Suppression Of IL-17-dependent Airway Neutrophilia And Hyperresponsiveness. , 2010, , .		0
56	Ozone activates pulmonary dendritic cells and promotes allergic sensitization through a Toll-like receptor 4â€“dependent mechanism. Journal of Allergy and Clinical Immunology, 2010, 125, 1167-1170.	1.5	33
57	Allergic Sensitization through the Airway Primes Th17-dependent Neutrophilia and Airway Hyperresponsiveness. American Journal of Respiratory and Critical Care Medicine, 2009, 180, 720-730.	2.5	354
58	Blood-derived inflammatory dendritic cells in lymph nodes stimulate acute T helper type 1 immune responses. Nature Immunology, 2009, 10, 394-402.	7.0	294
59	The Chemokine Receptor D6 Has Opposing Effects on Allergic Inflammation and Airway Reactivity. American Journal of Respiratory and Critical Care Medicine, 2007, 175, 243-249.	2.5	79
60	Innate Immune Control of Pulmonary Dendritic Cell Trafficking. Proceedings of the American Thoracic Society, 2007, 4, 234-239.	3.5	47
61	Protection against inflammation- and autoantibody-caused fetal loss by the chemokine decoy receptor D6. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2319-2324.	3.3	171
62	Alloimmune Lung Injury Induced by Local Innate Immune Activation Through Inhaled Lipopolysaccharide. Transplantation, 2007, 84, 1012-1019.	0.5	41
63	The chemokine receptor CCR6 is an important component of the innate immune response. European Journal of Immunology, 2007, 37, 2487-2498.	1.6	27
64	Toll-like receptors and airway disease. , 2006, , 63-86.		1
65	Control of microglial neurotoxicity by the fractalkine receptor. Nature Neuroscience, 2006, 9, 917-924.	7.1	1,334
66	Spontaneous Mutations in Recombinant Inbred Mice: Mutant Toll-like Receptor 4 (Tlr4) in BXD29 Mice. Genetics, 2006, 172, 1751-1755.	1.2	10
67	TLR4 Signaling Attenuates Ongoing Allergic Inflammation. Journal of Immunology, 2006, 176, 5856-5862.	0.4	94
68	Cutting Edge: The Silent Chemokine Receptor D6 Is Required for Generating T Cell Responses That Mediate Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2006, 177, 17-21.	0.4	70
69	The chemokine receptor D6 limits the inflammatory response in vivo. Nature Immunology, 2005, 6, 403-411.	7.0	279
70	Increased inflammation in mice deficient for the chemokine decoy receptor D6. European Journal of Immunology, 2005, 35, 1342-1346.	1.6	131
71	The Critical Role of Hematopoietic Cells in Lipopolysaccharide-induced Airway Inflammation. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 806-813.	2.5	88
72	Attenuation of Allergen-Induced Responses in CCR6â^'/â^' Mice Is Dependent upon Altered Pulmonary T Lymphocyte Activation. Journal of Immunology, 2005, 174, 2054-2060.	0.4	306

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73	Polymorphisms of the Toll-Like Receptors and Human Disease. Clinical Infectious Diseases, 2005, 41, S403-S407.	2.9	51
74	CCL5-CCR5 interaction provides antiapoptotic signals for macrophage survival during viral infection. Nature Medicine, 2005, 11, 1180-1187.	15.2	263
75	The Role of Toll-like Receptor 4 in Environmental Airway Injury in Mice. American Journal of Respiratory and Critical Care Medicine, 2004, 170, 126-132.	2.5	152
76	Toll-like receptors in the pathogenesis of human disease. Nature Immunology, 2004, 5, 975-979.	7.0	809
77	Depletion of host Langerhans cells before transplantation of donor alloreactive T cells prevents skin graft-versus-host disease. Nature Medicine, 2004, 10, 510-517.	15.2	298
78	Tachykinin NK3-receptor deficiency does not inhibit pulmonary eosinophilia in allergic mice. Pharmacological Research, 2004, 50, 611-615.	3.1	48
79	Genetic regulation of endotoxin-induced airway disease. Genomics, 2004, 83, 961-969.	1.3	34
80	The Genetics of Innate Immunity in the Lung. Chest, 2003, 123, 369S.	0.4	7
81	Toll-like receptors and the genetics of innate immunity. Current Opinion in Allergy and Clinical Immunology, 2003, 3, 523-529.	1.1	17
82	A Matrix for New Ideas in Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2002, 27, 122-124.	1.4	41
83	Impaired T Cell Function in RANTES-Deficient Mice. Clinical Immunology, 2002, 102, 302-309.	1.4	107
84	Wound Healing in MIP-1Î±â^'/â^' and MCP-1â^'/â^' Mice. American Journal of Pathology, 2001, 159, 457-463.	1.9	289
85	Leukocytes Expressing Green Fluorescent Protein as Novel Reagents for Adoptive Cell Transfer and Bone Marrow Transplantation Studies. American Journal of Pathology, 2001, 158, 41-47.	1.9	44
86	Macrophage inflammatory protein-1Î± uses a novel receptor for primitive hemopoietic cell inhibition. Blood, 2001, 98, 3476-3478.	0.6	15
87	Regulatory Effects of Macrophage Inflammatory Protein 1Î±/CCL3 on the Development of Immunity to Cryptococcus neoformans Depend on Expression of Early Inflammatory Cytokines. Infection and Immunity, 2001, 69, 6256-6263.	1.0	58
88	Absence of Macrophage-Inflammatory Protein-1Î± Delays Central Nervous System Demyelination in the Presence of an Intact Blood-Brain Barrier. Journal of Immunology, 2001, 167, 2964-2971.	0.4	80
89	Generation and Analysis of Mice Lacking the Chemokine Fractalkine. Molecular and Cellular Biology, 2001, 21, 3159-3165.	1.1	143
90	Impaired Pulmonary Host Defense in Mice Lacking Expression of the CXC Chemokine Lungkine. Journal of Immunology, 2001, 166, 3362-3368.	0.4	76

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91	Requirement for the Chemokine Receptor Ccr6 in Allergic Pulmonary Inflammation. Journal of Experimental Medicine, 2001, 194, 551-556.	4.2	134
92	Aberrant in Vivo T Helper Type 2 Cell Response and Impaired Eosinophil Recruitment in Cc Chemokine Receptor 8 Knockout Mice. Journal of Experimental Medicine, 2001, 193, 573-584.	4.2	222
93	Molecular identification and characterization of the platelet ADP receptor targeted by thienopyridine antithrombotic drugs. Journal of Clinical Investigation, 2001, 107, 1591-1598.	3.9	367
94	T-lymphocyte production of macrophage inflammatory protein-1Î± is critical to the recruitment of CD8+ T cells to the liver, lung, and spleen during graft-versus-host disease. Blood, 2000, 96, 2973-2980.	0.6	127
95	The Role of Macrophage Inflammatory Protein-1Î±/CCL3 in Regulation of T Cell-Mediated Immunity toCryptococcus neoformansInfection. Journal of Immunology, 2000, 165, 6429-6436.	0.4	92
96	Differential Expression of CC Chemokines and the CCR5 Receptor in the Pancreas Is Associated with Progression to Type I Diabetes. Journal of Immunology, 2000, 165, 1102-1110.	0.4	144
97	CCR6 Mediates Dendritic Cell Localization, Lymphocyte Homeostasis, and Immune Responses in Mucosal Tissue. Immunity, 2000, 12, 495-503.	6.6	478
98	Murine T Lymphocytes Incapable of Producing Macrophage Inhibitory Protein-1îœ€ Are Impaired in Causing Graft-Versus-Host Disease Across a Class I But Not Class II Major Histocompatibility Complex Barrier. Blood, 1999, 93, 43-50.	0.6	40
99	Murine endotoxin-induced uveitis, but not immune complex-induced uveitis, is dependent on the IL-8 receptor homolog. Current Eye Research, 1999, 19, 76-85.	0.7	20
100	Murine T Lymphocytes Incapable of Producing Macrophage Inhibitory Protein-1îœ€ Are Impaired in Causing Graft-Versus-Host Disease Across a Class I But Not Class II Major Histocompatibility Complex Barrier. Blood, 1999, 93, 43-50.	0.6	3
101	Absence of Macrophage Inflammatory Protein-1Î± Prevents the Development of Blinding Herpes Stromal Keratitis. Journal of Virology, 1998, 72, 3705-3710.	1.5	117
102	Gene targeting strategies to study chemokine function in vivo. Methods in Enzymology, 1997, 287, 186-206.	0.4	0
103	Two chemotactic factors, C5a and MIP-1Î±, dramatically alter the mortality from zymosan-induced multiple organ dysfunction syndrome (MODS): C5a contributes to MODS while MIP-1Î± has a protective role. Molecular Immunology, 1996, 33, 1135-1137.	1.0	22
104	Proliferation of multipotent hematopoietic cells controlled by a truncated erythropoietin receptor transgene.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 9402-9407.	3.3	24
105	The role of MIP-1Î± in Inflammation and hematopoiesis. Journal of Leukocyte Biology, 1996, 59, 61-66.	1.5	194
106	Requirement of MIP-1 alpha for an inflammatory response to viral infection. Science, 1995, 269, 1583-1585.	6.0	626