

# Michael C Carroll

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3934241/publications.pdf>

Version: 2024-02-01

67  
papers

10,550  
citations

81900

39  
h-index

95266

68  
g-index

73  
all docs

73  
docs citations

73  
times ranked

14156  
citing authors

#	ARTICLE	IF	CITATIONS
1	Schizophrenia risk from complex variation of complement component 4. <i>Nature</i> , 2016, 530, 177-183.	27.8	1,915
2	The complement system in regulation of adaptive immunity. <i>Nature Immunology</i> , 2004, 5, 981-986.	14.5	881
3	A Hierarchical Role for Classical Pathway Complement Proteins in the Clearance of Apoptotic Cells in Vivo. <i>Journal of Experimental Medicine</i> , 2000, 192, 359-366.	8.5	696
4	THE ROLE OF COMPLEMENT AND COMPLEMENT RECEPTORS IN INDUCTION AND REGULATION OF IMMUNITY. <i>Annual Review of Immunology</i> , 1998, 16, 545-568.	21.8	551
5	The structural basis of the multiple forms of human complement component C4. <i>Cell</i> , 1984, 36, 907-914.	28.9	455
6	Conduits Mediate Transport of Low-Molecular-Weight Antigen to Lymph Node Follicles. <i>Immunity</i> , 2009, 30, 264-276.	14.3	370
7	A Critical Role for Complement in Maintenance of Self-Tolerance. <i>Immunity</i> , 1998, 9, 721-731.	14.3	346
8	Lymph node metastases can invade local blood vessels, exit the node, and colonize distant organs in mice. <i>Science</i> , 2018, 359, 1403-1407.	12.6	340
9	Regulation of Humoral Immunity by Complement. <i>Immunity</i> , 2012, 37, 199-207.	14.3	328
10	Follicular dendritic cells: dynamic antigen libraries. <i>Nature Reviews Immunology</i> , 2014, 14, 495-504.	22.7	322
11	Impaired mast cell-dependent natural immunity in complement C3-deficient mice. <i>Nature</i> , 1997, 390, 172-175.	27.8	266
12	B cell homeostasis and follicle confines are governed by fibroblastic reticular cells. <i>Nature Immunology</i> , 2014, 15, 973-981.	14.5	237
13	The CLEC-2-podoplanin axis controls the contractility of fibroblastic reticular cells and lymph node microarchitecture. <i>Nature Immunology</i> , 2015, 16, 75-84.	14.5	233
14	Endocytosis and Recycling of Immune Complexes by Follicular Dendritic Cells Enhances B Cell Antigen Binding and Activation. <i>Immunity</i> , 2013, 38, 1164-1175.	14.3	228
15	Intestinal reperfusion injury is mediated by IgM and complement. <i>Journal of Applied Physiology</i> , 1999, 86, 938-942.	2.5	222
16	The role of complement in inflammation and adaptive immunity. <i>Immunological Reviews</i> , 2001, 180, 5-15.	6.0	196
17	A Role for Mac-1 (CD11b/CD18) in Immune Complex-stimulated Neutrophil Function In Vivo: Mac-1 Deficiency Abrogates Sustained Fc $\gamma$ 3 Receptor-dependent Neutrophil Adhesion and Complement-dependent Proteinuria in Acute Glomerulonephritis. <i>Journal of Experimental Medicine</i> , 1997, 186, 1853-1863.	8.5	194
18	Complement System in Neural Synapse Elimination in Development and Disease. <i>Advances in Immunology</i> , 2017, 135, 53-79.	2.2	193

#	ARTICLE	IF	CITATIONS
19	Microglia-dependent synapse loss in type I interferon-mediated lupus. <i>Nature</i> , 2017, 546, 539-543.	27.8	173
20	Overexpression of schizophrenia susceptibility factor human complement C4A promotes excessive synaptic loss and behavioral changes in mice. <i>Nature Neuroscience</i> , 2021, 24, 214-224.	14.8	158
21	A protective role for innate immunity in systemic lupus erythematosus. <i>Nature Reviews Immunology</i> , 2004, 4, 825-831.	22.7	154
22	The complement system in B cell regulation. <i>Molecular Immunology</i> , 2004, 41, 141-146.	2.2	150
23	Protective T Cell–Independent Antiviral Antibody Responses Are Dependent on Complement. <i>Journal of Experimental Medicine</i> , 1999, 190, 1165-1174.	8.5	149
24	Trafficking of B Cell Antigen in Lymph Nodes. <i>Annual Review of Immunology</i> , 2011, 29, 215-233.	21.8	145
25	Antigen Presentation to B Cells. <i>Trends in Immunology</i> , 2016, 37, 844-854.	6.8	127
26	Clonal Evolution of Autoreactive Germinal Centers. <i>Cell</i> , 2017, 170, 913-926.e19.	28.9	118
27	Landscape of B cell immunity and related immune evasion in human cancers. <i>Nature Genetics</i> , 2019, 51, 560-567.	21.4	115
28	Complement and humoral immunity. <i>Vaccine</i> , 2008, 26, 128-133.	3.8	98
29	Modeling Lymph Flow and Fluid Exchange with Blood Vessels in Lymph Nodes. <i>Lymphatic Research and Biology</i> , 2015, 13, 234-247.	1.1	90
30	The lupus paradox. <i>Nature Genetics</i> , 1998, 19, 3-4.	21.4	86
31	Follicular Dendritic Cell Activation by TLR Ligands Promotes Autoreactive B Cell Responses. <i>Immunity</i> , 2017, 46, 106-119.	14.3	84
32	Follicular Dendritic Cells Retain Infectious HIV in Cycling Endosomes. <i>PLoS Pathogens</i> , 2015, 11, e1005285.	4.7	84
33	Innate Autoimmunity. <i>Advances in Immunology</i> , 2005, 86, 137-157.	2.2	80
34	Trans-nodal migration of resident dendritic cells into medullary interfollicular regions initiates immunity to influenza vaccine. <i>Journal of Experimental Medicine</i> , 2014, 211, 1611-1621.	8.5	76
35	Molecular Genetics of the Fourth Component of Human Complement and Steroid 21-Hydroxylase. <i>Immunological Reviews</i> , 1985, 87, 39-60.	6.0	71
36	Macrophage Death following Influenza Vaccination Initiates the Inflammatory Response that Promotes Dendritic Cell Function in the Draining Lymph Node. <i>Cell Reports</i> , 2017, 18, 2427-2440.	6.4	61

#	ARTICLE	IF	CITATIONS
37	Macrophage-Derived Complement Component C4 Can Restore Humoral Immunity in C4-Deficient Mice. <i>Journal of Immunology</i> , 2002, 169, 5489-5495.	0.8	51
38	Autoreactivity profiles of influenza hemagglutinin broadly neutralizing antibodies. <i>Scientific Reports</i> , 2019, 9, 3492.	3.3	49
39	Complement C4 maintains peripheral B cell tolerance in a myeloid cell dependent manner. <i>European Journal of Immunology</i> , 2013, 43, 2441-2450.	2.9	44
40	Mechanosensing by Peyer's patch stroma regulates lymphocyte migration and mucosal antibody responses. <i>Nature Immunology</i> , 2019, 20, 1506-1516.	14.5	37
41	Vaccine adjuvant MF59 promotes the intranodal differentiation of antigen-loaded and activated monocyte-derived dendritic cells. <i>PLoS ONE</i> , 2017, 12, e0185843.	2.5	36
42	Microglial responses to peripheral type 1 interferon. <i>Journal of Neuroinflammation</i> , 2020, 17, 340.	7.2	35
43	Follicular Dendritic Cells Modulate Germinal Center B Cell Diversity through FcγRIIB. <i>Cell Reports</i> , 2019, 29, 2745-2755.e4.	6.4	33
44	Negative selection of B lymphocytes: a novel role for innate immunity. <i>Immunological Reviews</i> , 2000, 173, 120-130.	6.0	26
45	Capturing change in clonal composition amongst single mouse germinal centers. <i>ELife</i> , 2018, 7, .	6.0	24
46	C3d regulates immune checkpoint blockade and enhances antitumor immunity. <i>JCI Insight</i> , 2017, 2, .	5.0	23
47	IgH isotype-specific B cell receptor expression influences B cell fate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8411-E8420.	7.1	20
48	Cutting Edge: Marginal Zone Macrophages Regulate Antigen Transport by B Cells to the Follicle in the Spleen via CD21. <i>Journal of Immunology</i> , 2016, 197, 2063-2068.	0.8	17
49	Nomenclature of Toso, Fas Apoptosis Inhibitory Molecule 3, and IgM FcR. <i>Journal of Immunology</i> , 2015, 194, 4055-4057.	0.8	15
50	Complement C4A Regulates Autoreactive B Cells in Murine Lupus. <i>Cell Reports</i> , 2020, 33, 108330.	6.4	13
51	An Ultrahigh-Affinity Complement C4b-Specific Nanobody Inhibits In Vivo Assembly of the Classical Pathway Proconvertase. <i>Journal of Immunology</i> , 2020, 205, 1678-1694.	0.8	12
52	Follicular T cells are clonally and transcriptionally distinct in B cell-driven mouse autoimmune disease. <i>Nature Communications</i> , 2021, 12, 6687.	12.8	12
53	Do follicular dendritic cells regulate lupus-specific B cells?. <i>Molecular Immunology</i> , 2014, 62, 283-288.	2.2	11
54	B Cells Regulate CD4+ T Cell Responses to Papain following B Cell Receptor-Independent Papain Uptake. <i>Journal of Immunology</i> , 2014, 193, 529-539.	0.8	11

#	ARTICLE	IF	CITATIONS
55	The Role of Dendritic Cells in S.Âpneumoniae Transport to Follicular Dendritic Cells. Cell Reports, 2016, 16, 3130-3137.	6.4	10
56	Neuropsychiatric disorders: An immunological perspective. Advances in Immunology, 2021, 152, 83-155.	2.2	10
57	Heterogeneity in the structural basis of the human complement C4A null allele (C4A*Q0) as revealed by Hin dIII restriction fragment length polymorphism analysis. FEBS Letters, 1987, 217, 65-68.	2.8	9
58	Follicular Dendritic Cell Isolation and Loading of Immune Complexes. Methods in Molecular Biology, 2017, 1623, 105-112.	0.9	8
59	Prevention of intestinal ischemia-reperfusion injury in humanized mice. Surgery, 2016, 160, 436-442.	1.9	7
60	Targeting autoreactive germinal centers to curb autoimmunity. Oncotarget, 2017, 8, 90624-90625.	1.8	5
61	Lupus Susceptibility Loci Predispose Mice to Clonal Lymphocytic Responses and Myeloid Expansion. Journal of Immunology, 2022, 208, 2403-2424.	0.8	5
62	Mouse complement components C4 and Slp act synergistically in a homologous hemolytic C4 assay. European Journal of Immunology, 2000, 30, 1507-1511.	2.9	4
63	Natural IgM Blockade Limits Infarct Expansion and Left Ventricular Dysfunction in a Swine Myocardial Infarct Model. Circulation: Cardiovascular Interventions, 2016, 9, e002547.	3.9	4
64	The Checkpoint Regulator SLAMF3 Preferentially Prevents Expansion of Auto-Reactive B Cells Generated by Graft-vs.-Host Disease. Frontiers in Immunology, 2019, 10, 831.	4.8	4
65	T cell help in the autoreactive germinal center. Scandinavian Journal of Immunology, 2022, 95, e13192.	2.7	4
66	Complement and Its Receptors in Infection. , 0, , 219-240.		2
67	Role of Complement C4 in the Regulation of Selfâ€Reactive B Cells. FASEB Journal, 2008, 22, 478-478.	0.5	0