

# Jennifer L Gommerman

## List of Publications by Year in descending order

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Version: 2024-02-01

113  
papers

8,165  
citations

71061

41  
h-index

53190

85  
g-index

136  
all docs

136  
docs citations

136  
times ranked

12300  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Essential Role for BAFF in the Normal Development of B Cells Through a BCMA-Independent Pathway. <i>Science</i> , 2001, 293, 2111-2114.	6.0	989
2	Persistence of serum and saliva antibody responses to SARS-CoV-2 spike antigens in COVID-19 patients. <i>Science Immunology</i> , 2020, 5, .	5.6	714
3	Notch2 Receptor Signaling Controls Functional Differentiation of Dendritic Cells in the Spleen and Intestine. <i>Immunity</i> , 2011, 35, 780-791.	6.6	412
4	Notch2-dependent classical dendritic cells orchestrate intestinal immunity to attaching-and-effacing bacterial pathogens. <i>Nature Immunology</i> , 2013, 14, 937-948.	7.0	368
5	Proinflammatory GM-CSF <sup>+</sup> producing B cells in multiple sclerosis and B cell depletion therapy. <i>Science Translational Medicine</i> , 2015, 7, 310ra166.	5.8	334
6	B cell depletion therapies in autoimmune disease: advances and mechanistic insights. <i>Nature Reviews Drug Discovery</i> , 2021, 20, 179-199.	21.5	296
7	Lymphotoxin/LIGHT, lymphoid microenvironments and autoimmune disease. <i>Nature Reviews Immunology</i> , 2003, 3, 642-655.	10.6	263
8	Recirculating Intestinal IgA-Producing Cells Regulate Neuroinflammation via IL-10. <i>Cell</i> , 2019, 176, 610-624.e18.	13.5	241
9	Mice overexpressing BAFF develop a commensal flora <sup>+</sup> dependent, IgA-associated nephropathy. <i>Journal of Clinical Investigation</i> , 2011, 121, 3991-4002.	3.9	208
10	A simple protein-based surrogate neutralization assay for SARS-CoV-2. <i>JCI Insight</i> , 2020, 5, .	2.3	193
11	Acquisition of a multifunctional IgA <sup>+</sup> plasma cell phenotype in the gut. <i>Nature</i> , 2012, 481, 199-203.	13.7	177
12	Integration of Th17- and Lymphotoxin-Derived Signals Initiates Meningeal-Resident Stromal Cell Remodeling to Propagate Neuroinflammation. <i>Immunity</i> , 2015, 43, 1160-1173.	6.6	176
13	Nod2-Dependent Th2 Polarization of Antigen-Specific Immunity. <i>Journal of Immunology</i> , 2008, 181, 7925-7935.	0.4	166
14	Systemic and mucosal IgA responses are variably induced in response to SARS-CoV-2 mRNA vaccination and are associated with protection against subsequent infection. <i>Mucosal Immunology</i> , 2022, 15, 799-808.	2.7	152
15	Targeted Deletion of <i>fgl2</i> Leads to Impaired Regulatory T Cell Activity and Development of Autoimmune Glomerulonephritis. <i>Journal of Immunology</i> , 2008, 180, 249-260.	0.4	134
16	Gut microbiota <sup>+</sup> specific IgA <sup>+</sup> B cells traffic to the CNS in active multiple sclerosis. <i>Science Immunology</i> , 2020, 5, .	5.6	132
17	B Cells in the Multiple Sclerosis Central Nervous System: Trafficking and Contribution to CNS-Compartmentalized Inflammation. <i>Frontiers in Immunology</i> , 2015, 6, 636.	2.2	120
18	Fine-tuning of dendritic cell biology by the TNF superfamily. <i>Nature Reviews Immunology</i> , 2012, 12, 339-351.	10.6	112

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19	Lymphatic Endothelial Cells Control Initiation of Lymph Node Organogenesis. <i>Immunity</i> , 2017, 47, 80-92.e4.	6.6	107
20	A Role for CD21/CD35 and CD19 in Responses to Acute Septic Peritonitis: A Potential Mechanism for Mast Cell Activation. <i>Journal of Immunology</i> , 2000, 165, 6915-6921.	0.4	97
21	Re-thinking the functions of IgA <sup>+</sup> plasma cells. <i>Gut Microbes</i> , 2014, 5, 652-662.	4.3	95
22	AID constrains germinal center size by rendering B cells susceptible to apoptosis. <i>Blood</i> , 2009, 114, 547-554.	0.6	85
23	The SAGA Deubiquitination Module Promotes DNA Repair and Class Switch Recombination through ATM and DNAPK-Mediated $\gamma$ H2AX Formation. <i>Cell Reports</i> , 2016, 15, 1554-1565.	2.9	81
24	A Novel MicroRNA-132-Sirtuin-1 Axis Underlies Aberrant B-cell Cytokine Regulation in Patients with Relapsing-Remitting Multiple Sclerosis. <i>PLoS ONE</i> , 2014, 9, e105421.	1.1	81
25	Tim-3 Negatively Regulates Cytotoxicity in Exhausted CD8 <sup>+</sup> T Cells in HIV Infection. <i>PLoS ONE</i> , 2012, 7, e40146.	1.1	80
26	Nuclear factor- $\kappa$ B1 controls the functional maturation of dendritic cells and prevents the activation of autoreactive T cells. <i>Nature Medicine</i> , 2011, 17, 1663-1667.	15.2	75
27	Meningeal Tertiary Lymphoid Tissues and Multiple Sclerosis: A Gathering Place for Diverse Types of Immune Cells during CNS Autoimmunity. <i>Frontiers in Immunology</i> , 2015, 6, 657.	2.2	73
28	Development of nephritis but not sialadenitis in autoimmune-prone BAFF transgenic mice lacking marginal zone B cells. <i>European Journal of Immunology</i> , 2006, 36, 2504-2514.	1.6	69
29	Cytokine-Defined B Cell Responses as Therapeutic Targets in Multiple Sclerosis. <i>Frontiers in Immunology</i> , 2015, 6, 626.	2.2	69
30	Expression of lymphotoxin- $\beta$ on antigen-specific T cells is required for DC function. <i>Journal of Experimental Medicine</i> , 2007, 204, 1071-1081.	4.2	68
31	BAFF induces a hyper-IgA syndrome in the intestinal lamina propria concomitant with IgA deposition in the kidney independent of LIGHT. <i>Cellular Immunology</i> , 2006, 241, 85-94.	1.4	65
32	Dendritic Cell Subsets in Intestinal Immunity and Inflammation. <i>Journal of Immunology</i> , 2020, 204, 1075-1083.	0.4	64
33	Three-Dimensional Imaging of Transparent Tissues via Metal Nanoparticle Labeling. <i>Journal of the American Chemical Society</i> , 2017, 139, 9961-9971.	6.6	60
34	Differential requirement of MALT1 for BAFF-induced outcomes in B cell subsets. <i>Journal of Experimental Medicine</i> , 2009, 206, 2671-2683.	4.2	58
35	Multiplexed imaging of immune cells in staged multiple sclerosis lesions by mass cytometry. <i>ELife</i> , 2019, 8, .	2.8	56
36	A role for surface lymphotoxin in experimental autoimmune encephalomyelitis independent of LIGHT. <i>Journal of Clinical Investigation</i> , 2003, 112, 755-767.	3.9	52

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37	Manipulation of lymphoid microenvironments in nonhuman primates by an inhibitor of the lymphotoxin pathway. <i>Journal of Clinical Investigation</i> , 2002, 110, 1359-1369.	3.9	51
38	The H2B deubiquitinase Usp22 promotes antibody class switch recombination by facilitating non-homologous end joining. <i>Nature Communications</i> , 2018, 9, 1006.	5.8	47
39	Asthma, Type 1 and Type 2 Diabetes Mellitus, and Inflammatory Bowel Disease amongst South Asian Immigrants to Canada and Their Children: A Population-Based Cohort Study. <i>PLoS ONE</i> , 2015, 10, e0123599.	1.1	46
40	The 3BP2 Adapter Protein Is Required for Optimal B-Cell Activation and Thymus-Independent Type 2 Humoral Response. <i>Molecular and Cellular Biology</i> , 2007, 27, 3109-3122.	1.1	45
41	Activated leukocyte cell adhesion molecule regulates B lymphocyte migration across central nervous system barriers. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	45
42	Fibroblastic reticular cells initiate immune responses in visceral adipose tissues and secure peritoneal immunity. <i>Science Immunology</i> , 2018, 3, .	5.6	44
43	HIV Acquisition Is Associated with Increased Antimicrobial Peptides and Reduced HIV Neutralizing IgA in the Foreskin Prepuce of Uncircumcised Men. <i>PLoS Pathogens</i> , 2014, 10, e1004416.	2.1	43
44	Phosphatidylinositol 3-Kinase and Ca <sup>2+</sup> Influx Dependence for Ligand-stimulated Internalization of the c-Kit Receptor. <i>Journal of Biological Chemistry</i> , 1997, 272, 30519-30525.	1.6	42
45	The Lymphotoxin Pathway: Beyond Lymph Node Development. <i>Immunologic Research</i> , 2006, 35, 41-54.	1.3	41
46	Human central nervous system astrocytes support survival and activation of B cells: implications for MS pathogenesis. <i>Journal of Neuroinflammation</i> , 2018, 15, 114.	3.1	40
47	ICOS, CD40, and Lymphotoxin $\hat{I}^2$ Receptors Signal Sequentially and Interdependently to Initiate a Germinal Center Reaction. <i>Journal of Immunology</i> , 2008, 180, 2284-2293.	0.4	37
48	Dynamic accumulation of plasmacytoid dendritic cells in lymph nodes is regulated by interferon- $\hat{I}^2$ . <i>Blood</i> , 2009, 114, 2623-2631.	0.6	37
49	A Sphingosine-1-Phosphate Receptor 1-Directed Agonist Reduces Central Nervous System Inflammation in a Plasmacytoid Dendritic Cell-Dependent Manner. <i>Journal of Immunology</i> , 2012, 189, 3700-3706.	0.4	34
50	Stromal Cell Niches in the Inflamed Central Nervous System. <i>Journal of Immunology</i> , 2017, 198, 1775-1781.	0.4	32
51	Guardians of the oral and nasopharyngeal galaxy: $\langle \text{sc} \rangle \text{IgA} \langle / \text{sc} \rangle$ and protection against $\langle \text{sc} \rangle \text{SARS} \hat{\text{C}} \text{CoV} \langle / \text{sc} \rangle$ infection*. <i>Immunological Reviews</i> , 2022, 309, 75-85.	2.8	32
52	Antibody-Independent Function of Human B Cells Contributes to Antifungal T Cell Responses. <i>Journal of Immunology</i> , 2017, 198, 3245-3254.	0.4	31
53	The Ins and Outs of Central Nervous System Inflammation—Lessons Learned from Multiple Sclerosis. <i>Annual Review of Immunology</i> , 2021, 39, 199-226.	9.5	30
54	Fantastic IgA plasma cells and where to find them. <i>Immunological Reviews</i> , 2021, 303, 119-137.	2.8	30

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55	Complement-associated loss of CA2 inhibitory synapses in the demyelinated hippocampus impairs memory. <i>Acta Neuropathologica</i> , 2021, 142, 643-667.	3.9	30
56	AID mutates a non-immunoglobulin transgene independent of chromosomal position. <i>Molecular Immunology</i> , 2007, 44, 567-575.	1.0	29
57	The Lymphotoxin Network: Orchestrating a Type I interferon response to optimize adaptive immunity. <i>Cytokine and Growth Factor Reviews</i> , 2014, 25, 139-145.	3.2	29
58	LT $\beta$ R signaling in dendritic cells induces a type I IFN response that is required for optimal clonal expansion of CD8 <sup>+</sup> T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2046-2051.	3.3	28
59	An "Outside-In" and "Inside-Out" Consideration of Complement in the Multiple Sclerosis Brain: Lessons From Development and Neurodegenerative Diseases. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 600656.	1.8	28
60	AID-Expressing Germinal Center B Cells Cluster Normally within Lymph Node Follicles in the Absence of FDC-M1+ CD35+ Follicular Dendritic Cells but Dissipate Prematurely. <i>Journal of Immunology</i> , 2013, 191, 4521-4530.	0.4	27
61	Negative selection of B lymphocytes: a novel role for innate immunity. <i>Immunological Reviews</i> , 2000, 173, 120-130.	2.8	26
62	LIGHT is dispensable for CD4+ and CD8+ T cell and antibody responses to influenza A virus in mice. <i>International Immunology</i> , 2006, 18, 797-806.	1.8	26
63	Siponimod therapy implicates Th17 cells in a preclinical model of subpial cortical injury. <i>JCI Insight</i> , 2020, 5, .	2.3	24
64	Substrain Differences Reveal Novel Disease-Modifying Gene Candidates That Alter the Clinical Course of a Rodent Model of Multiple Sclerosis. <i>Journal of Immunology</i> , 2010, 184, 3174-3185.	0.4	23
65	LT $\beta$ R and CD40: working together in dendritic cells to optimize immune responses. <i>Immunological Reviews</i> , 2011, 244, 85-98.	2.8	23
66	Early-life programming of mesenteric lymph node stromal cell identity by the lymphotoxin pathway regulates adult mucosal immunity. <i>Science Immunology</i> , 2019, 4, .	5.6	23
67	B-Cell Deficiency Lowers Blood Pressure in Mice. <i>Hypertension</i> , 2019, 73, 561-570.	1.3	23
68	Manipulation of lymphoid microenvironments in nonhuman primates by an inhibitor of the lymphotoxin pathway. <i>Journal of Clinical Investigation</i> , 2002, 110, 1359-1369.	3.9	23
69	The LIGHT and DARC sides of herpesvirus entry mediator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 13365-13366.	3.3	22
70	Unusual timing of CD127 expression by mouse uterine natural killer cells. <i>Journal of Leukocyte Biology</i> , 2012, 91, 417-426.	1.5	22
71	Deficiency of the B Cell-Activating Factor Receptor Results in Limited CD169 <sup>+</sup> Macrophage Function during Viral Infection. <i>Journal of Virology</i> , 2015, 89, 4748-4759.	1.5	22
72	Plasmacytoid dendritic cells and autoimmune inflammation. <i>Biological Chemistry</i> , 2014, 395, 335-346.	1.2	21

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73	The eIF2 $\gamma$ kinase HRI triggers the autophagic clearance of cytosolic protein aggregates. <i>Journal of Biological Chemistry</i> , 2021, 296, 100050.	1.6	21
74	Regulation of neuroinflammation by B cells and plasma cells. <i>Immunological Reviews</i> , 2021, 299, 45-60.	2.8	19
75	Cytokine/Stromal Cell Networks and Lymphoid Tissue Environments. <i>Journal of Interferon and Cytokine Research</i> , 2011, 31, 277-289.	0.5	17
76	The Regulation of Immune Responses by DC Derived Type I IFN. <i>Frontiers in Immunology</i> , 2013, 4, 94.	2.2	17
77	AID and Caspase 8 Shape the Germinal Center Response through Apoptosis. <i>Journal of Immunology</i> , 2013, 191, 5840-5847.	0.4	17
78	Accumulation of meningeal lymphocytes correlates with white matter lesion activity in progressive multiple sclerosis. <i>JCI Insight</i> , 2022, 7, .	2.3	16
79	A TNF- $\alpha$ -CCL20-CCR6 Axis Regulates Nod1-Induced B Cell Responses. <i>Journal of Immunology</i> , 2014, 192, 2787-2799.	0.4	15
80	Isotype-Switched Autoantibodies Are Necessary To Facilitate Central Nervous System Autoimmune Disease in <i>Aicda</i> <sup>-/-</sup> and <i>Ung</i> <sup>-/-</sup> Mice. <i>Journal of Immunology</i> , 2018, 201, 1119-1130.	0.4	15
81	Plasma Cells: From Cytokine Production to Regulation in Experimental Autoimmune Encephalomyelitis. <i>Journal of Molecular Biology</i> , 2021, 433, 166655.	2.0	15
82	Antibodies That Block or Activate Mouse B Cell Activating Factor of the Tumor Necrosis Factor (TNF) Family (BAFF), Respectively, Induce B Cell Depletion or B Cell Hyperplasia. <i>Journal of Biological Chemistry</i> , 2016, 291, 19826-19834.	1.6	15
83	The Impact of Migration on the Gut Metagenome of South Asian Canadians. <i>Gut Microbes</i> , 2021, 13, 1-29.	4.3	14
84	Immunoglobulin A nephropathy is characterized by anticommensal humoral immune responses. <i>JCI Insight</i> , 2022, 7, .	2.3	13
85	Secondary B Cell Receptor Diversification Is Necessary for T Cell Mediated Neuro-Inflammation during Experimental Autoimmune Encephalomyelitis. <i>PLoS ONE</i> , 2013, 8, e61478.	1.1	12
86	Aged hind-limb clasping experimental autoimmune encephalomyelitis models aspects of the neurodegenerative process seen in multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22710-22720.	3.3	12
87	The microbiome and IgA nephropathy. <i>Seminars in Immunopathology</i> , 2021, 43, 649-656.	2.8	12
88	Persistence of T Cell and Antibody Responses to SARS-CoV-2 Up to 9 Months after Symptom Onset. <i>Journal of Immunology</i> , 2022, 208, 429-443.	0.4	12
89	Homeodomain-Interacting Protein Kinase (HIPK)-1 Is Required for Splenic B Cell Homeostasis and Optimal T-Independent Type 2 Humoral Response. <i>PLoS ONE</i> , 2012, 7, e35533.	1.1	11
90	Hematopoietic LT $\beta$ R deficiency results in skewed T cell cytokine profiles during a mucosal viral infection. <i>Journal of Leukocyte Biology</i> , 2016, 100, 103-110.	1.5	11

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91	Stromal Cell-Mediated Coordination of Immune Cell Recruitment, Retention, and Function in Brain-Adjacent Regions. <i>Journal of Immunology</i> , 2021, 206, 282-291.	0.4	11
92	NLR5 deficiency has a moderate impact on immunodominant CD8 <sup>+</sup> T cell responses during rotavirus infection of adult mice. <i>Immunology and Cell Biology</i> , 2019, 97, 552-562.	1.0	10
93	Lymphotoxin-sensitive microenvironments in homeostasis and inflammation. <i>Frontiers in Immunology</i> , 2012, 3, 243.	2.2	9
94	B cells in MS: Why, where and how?. <i>Multiple Sclerosis and Related Disorders</i> , 2012, 1, 123-130.	0.9	6
95	A Lymphotoxin/Type I IFN Axis Programs CD8 <sup>+</sup> T Cells To Infiltrate a Self-Tissue and Propagate Immunopathology. <i>Journal of Immunology</i> , 2015, 195, 4650-4659.	0.4	5
96	The Impact of IgA and the Microbiota on CNS Disease. <i>Frontiers in Immunology</i> , 2021, 12, 742173.	2.2	5
97	Age-dependent gray matter demyelination is associated with leptomeningeal neutrophil accumulation. <i>JCI Insight</i> , 2022, 7, .	2.3	5
98	Age-related changes in multiple sclerosis and experimental autoimmune encephalomyelitis. <i>Seminars in Immunology</i> , 2022, 59, 101631.	2.7	4
99	A role for the lymphotoxin/LIGHT pathway in T-cell mediated autoimmunity and infectious disease. <i>Clinical and Applied Immunology Reviews</i> , 2004, 4, 367-393.	0.4	3
100	c-Myb Exacerbates Atherosclerosis through Regulation of Protective IgM-Producing Antibody-Secreting Cells. <i>Cell Reports</i> , 2019, 27, 2304-2312.e6.	2.9	3
101	The Lymphotoxin Pathway as a Novel Regulator of Dendritic Cell Function. <i>Advances in Experimental Medicine and Biology</i> , 2011, 691, 363-374.	0.8	2
102	The Role of the BAFF and Lymphotoxin Pathways in B Cell Biology. , 2015, , 251-276.		1
103	A totally OSM gift to astrocytes relieves inflammation. <i>Immunity</i> , 2021, 54, 401-403.	6.6	1
104	CCR6 Expression on B Cells Is Not Required for Clinical or Pathological Presentation of MOG Protein-Induced Experimental Autoimmune Encephalomyelitis despite an Altered Germinal Center Response. <i>Journal of Immunology</i> , 2021, 207, 1513-1521.	0.4	1
105	Mice overexpressing BAFF develop a commensal flora-dependent, IgA-associated nephropathy. <i>Journal of Clinical Investigation</i> , 2012, 122, 778-778.	3.9	1
106	Neonatal LT1 <sup>2</sup> R signaling is required for the accumulation of eosinophils in the inflamed adult mesenteric lymph node. <i>Mucosal Immunology</i> , 2022, , .	2.7	1
107	Human B cell and glial cell interactions: Implications to the compartmentalized CNS inflammation of multiple sclerosis (MS). <i>Journal of Neuroimmunology</i> , 2014, 275, 176-177.	1.1	0
108	The 14th International TNF Conference, Québec City, Canada - Des Progrés Récents aux Défis Futurs (Recent Advances toward Future Challenges). <i>Cytokine and Growth Factor Reviews</i> , 2014, 25, 77-81.	3.2	0

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109	Germinal Centers. , 2016, , 179-185.		0
110	The Requirement of B-cells for Renal and Blood Pressure Homeostasis. Atherosclerosis Supplements, 2018, 32, 108.	1.2	0
111	Intestinal protection without T cell help. Nature Reviews Immunology, 2020, 20, 275-275.	10.6	0
112	Queen's Gambit: B Cell to Follicle. Journal of Immunology, 2021, 207, 753-754.	0.4	0
113	Lymphotoxin is critically required for the presence of IgA-promoting iNOS + DCs in the intestinal lamina propria. FASEB Journal, 2008, 22, 851.8.	0.2	0