

# Claudia Kemper

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

7,200  
citations

66234

42  
h-index

91712

69  
g-index

75  
all docs

75  
docs citations

75  
times ranked

8919  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autocrine vitamin D signaling switches off pro-inflammatory programs of TH1 cells. <i>Nature Immunology</i> , 2022, 23, 62-74.	7.0	105
2	The state of complement in COVID-19. <i>Nature Reviews Immunology</i> , 2022, 22, 77-84.	10.6	159
3	Complement's favourite organelle—Mitochondria?. <i>British Journal of Pharmacology</i> , 2021, 178, 2771-2785.	2.7	21
4	Integrins meet complement: The evolutionary tip of an iceberg orchestrating metabolism and immunity. <i>British Journal of Pharmacology</i> , 2021, 178, 2754-2770.	2.7	15
5	The role of complement in arterial hypertension and hypertensive end organ damage. <i>British Journal of Pharmacology</i> , 2021, 178, 2849-2862.	2.7	26
6	Complement Has Brains—Do Intracellular Complement and Immunometabolism Cooperate in Tissue Homeostasis and Behavior?. <i>Frontiers in Immunology</i> , 2021, 12, 629986.	2.2	30
7	SARS-CoV-2 drives JAK1/2-dependent local complement hyperactivation. <i>Science Immunology</i> , 2021, 6, .	5.6	144
8	Fibroblast tissue priming—not so nice to C you!. <i>Immunity</i> , 2021, 54, 847-850.	6.6	4
9	Canonical and non-canonical functions of the complement system in health and disease. <i>British Journal of Pharmacology</i> , 2021, 178, 2751-2753.	2.7	4
10	LFA-1 in T cell priming, differentiation, and effector functions. <i>Trends in Immunology</i> , 2021, 42, 706-722.	2.9	43
11	Complement component 3 from astrocytes mediates retinal ganglion cell loss during neuroinflammation. <i>Acta Neuropathologica</i> , 2021, 142, 899-915.	3.9	39
12	Mitochondrial C5aR1 activity in macrophages controls IL-1 $\beta$ production underlying sterile inflammation. <i>Science Immunology</i> , 2021, 6, eabf2489.	5.6	50
13	GC1qR Cleavage by Caspase-1 Drives Aerobic Glycolysis in Tumor Cells. <i>Frontiers in Oncology</i> , 2020, 10, 575854.	1.3	15
14	COVID-19: Complement, Coagulation, and Collateral Damage. <i>Journal of Immunology</i> , 2020, 205, 1488-1495.	0.4	127
15	Diapedesis-Induced Integrin Signaling via LFA-1 Facilitates Tissue Immunity by Inducing Intrinsic Complement C3 Expression in Immune Cells. <i>Immunity</i> , 2020, 52, 513-527.e8.	6.6	57
16	Complement and human T cell metabolism: Location, location, location. <i>Immunological Reviews</i> , 2020, 295, 68-81.	2.8	50
17	Cholesterol metabolism drives regulatory B cell IL-10 through provision of geranylgeranyl pyrophosphate. <i>Nature Communications</i> , 2020, 11, 3412.	5.8	47
18	Deep phenotyping detects a pathological CD4+ T-cell complosome signature in systemic sclerosis. <i>Cellular and Molecular Immunology</i> , 2020, 17, 1010-1013.	4.8	9

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19	Vitamin D (1,25(OH)2D3) induces $\hat{\pm}$ -1-antitrypsin synthesis by CD4+ T cells, which is required for 1,25(OH)2D3-driven IL-10. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 189, 1-9.	1.2	28
20	The cholesterol biosynthesis pathway regulates IL-10 expression in human Th1 cells. <i>Nature Communications</i> , 2019, 10, 498.	5.8	98
21	Complement in Motion: The Evolution of CD46 from a Complement Regulator to an Orchestrator of Normal Cell Physiology. <i>Journal of Immunology</i> , 2019, 203, 3-5.	0.4	25
22	Complement Nomenclatureâ€™Deconvoluted. <i>Frontiers in Immunology</i> , 2019, 10, 1308.	2.2	59
23	The Complement Receptor C5aR2: A Powerful Modulator of Innate and Adaptive Immunity. <i>Journal of Immunology</i> , 2019, 202, 3339-3348.	0.4	97
24	Complement and T Cell Metabolism: Food for Thought. <i>Immunometabolism</i> , 2019, 1, e190006.	0.7	14
25	The intestinal complement system in inflammatory bowel disease: Shaping intestinal barrier function. <i>Seminars in Immunology</i> , 2018, 37, 66-73.	2.7	93
26	Human plasma C3 is essential for the development of memory B, but not T, lymphocytes. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1151-1154.e14.	1.5	26
27	Complement and the Regulation of T Cell Responses. <i>Annual Review of Immunology</i> , 2018, 36, 309-338.	9.5	171
28	Asparaginyl Endopeptidase (Legumain) Supports Human Th1 Induction via Cathepsin L-Mediated Intracellular C3 Activation. <i>Frontiers in Immunology</i> , 2018, 9, 2449.	2.2	34
29	Human retinoic acidâ€™regulated CD161+ regulatory T cells support wound repair in intestinal mucosa. <i>Nature Immunology</i> , 2018, 19, 1403-1414.	7.0	86
30	Complement receptor CD46 co-stimulates optimal human CD8+ T cell effector function via fatty acid metabolism. <i>Nature Communications</i> , 2018, 9, 4186.	5.8	75
31	Back to the future â€™ non-canonical functions of complement. <i>Seminars in Immunology</i> , 2018, 37, 1-3.	2.7	22
32	Unexpected Roles for Intracellular Complement in the Regulation of Th1 Responses. <i>Advances in Immunology</i> , 2018, 138, 35-70.	1.1	20
33	Dysregulated CD46 shedding interferes with Th1â€™contraction in systemic lupus erythematosus. <i>European Journal of Immunology</i> , 2017, 47, 1200-1210.	1.6	37
34	Intracellular complement â€™ the complosome â€™ in immune cell regulation. <i>Molecular Immunology</i> , 2017, 89, 2-9.	1.0	163
35	Graft dysfunction in chronic antibody-mediated rejection correlates with B-cellâ€™dependent indirect antidonor alloresponses and autocrine regulation of interferon- $\hat{I}^3$ production by Th1 cells. <i>Kidney International</i> , 2017, 91, 477-492.	2.6	34
36	Regulation of epithelial cell expressed C3 in the intestine â€™ Relevance for the pathophysiology of inflammatory bowel disease?. <i>Molecular Immunology</i> , 2017, 90, 227-238.	1.0	49

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37	Keeping It All Goingâ€”Complement Meets Metabolism. <i>Frontiers in Immunology</i> , 2017, 8, 1.	2.2	534
38	Anti-myeloperoxidase antibodies attenuate the monocyte response to LPS and shape macrophage development. <i>JCI Insight</i> , 2017, 2, e87379.	2.3	28
39	Targeting the Dark Horse of complement: the first generation of functionally selective C5aR2 ligands. <i>Immunology and Cell Biology</i> , 2016, 94, 717-718.	1.0	8
40	Experimentallyâ€”induced antiâ€”myeloperoxidase vasculitis does not require properdin, <sc>MASP</sc>â€” or bone marrowâ€”derived <sc>C5</sc>. <i>Journal of Pathology</i> , 2016, 240, 61-71.	2.1	16
41	Complement-Mediated Regulation of Metabolism and Basic Cellular Processes. <i>Immunity</i> , 2016, 45, 240-254.	6.6	116
42	A novel â€œcomplementâ€”metabolismâ€”inflammasome axisâ€”as a key regulator of immune cell effector function. <i>European Journal of Immunology</i> , 2016, 46, 1563-1573.	1.6	107
43	A TSLP-complement axis mediates neutrophil killing of methicillin-resistant <i>Staphylococcus aureus</i>. <i>Science Immunology</i> , 2016, 1, .	5.6	37
44	The â€œins and outsâ€”of complementâ€”driven immune responses. <i>Immunological Reviews</i> , 2016, 274, 16-32.	2.8	99
45	T helper 1 immunity requires complement-driven NLRP3 inflammasome activity in CD4 <sup>+</sup> T cells. <i>Science</i> , 2016, 352, aad1210.	6.0	395
46	CD46 Activation Regulates miR-150â€”Mediated Control of GLUT1 Expression and Cytokine Secretion in Human CD4+ T Cells. <i>Journal of Immunology</i> , 2016, 196, 1636-1645.	0.4	48
47	Complement Regulates Nutrient Influx and Metabolic Reprogramming during Th1 Cell Responses. <i>Immunity</i> , 2015, 42, 1033-1047.	6.6	190
48	Human complement C3 deficiency: Th1 induction requires T cell-derived complement C3a and CD46 activation. <i>Molecular Immunology</i> , 2014, 58, 98-107.	1.0	71
49	Complement â€” tapping into new sites and effector systems. <i>Nature Reviews Immunology</i> , 2014, 14, 811-820.	10.6	278
50	Complement and IL-22: Partnering Up for Border Patrol. <i>Immunity</i> , 2014, 41, 511-513.	6.6	3
51	Complement Nomenclature 2014. <i>Molecular Immunology</i> , 2014, 61, 56-58.	1.0	56
52	Novel roles for complement receptors in T cell regulation and beyond. <i>Molecular Immunology</i> , 2013, 56, 181-190.	1.0	68
53	CD46: The â€”multitaskerâ€” of complement proteins. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 2808-2820.	1.2	95
54	The role of complement in CD4+ T cell homeostasis and effector functions. <i>Seminars in Immunology</i> , 2013, 25, 12-19.	2.7	40

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55	Intracellular Complement Activation Sustains T Cell Homeostasis and Mediates Effector Differentiation. <i>Immunity</i> , 2013, 39, 1143-1157.	6.6	444
56	C3a modulates IL-1 $\beta$ secretion in human monocytes by regulating ATP efflux and subsequent NLRP3 inflammasome activation. <i>Blood</i> , 2013, 122, 3473-3481.	0.6	258
57	Novel roles of complement in T effector cell regulation. <i>Immunobiology</i> , 2012, 217, 216-224.	0.8	96
58	The CD46-Jagged1 interaction is critical for human TH1 immunity. <i>Nature Immunology</i> , 2012, 13, 1213-1221.	7.0	163
59	The Th1 life cycle: molecular control of IFN- $\gamma$ to IL-10 switching. <i>Trends in Immunology</i> , 2011, 32, 278-286.	2.9	203
60	Complement regulator CD46 temporally regulates cytokine production by conventional and unconventional T cells. <i>Nature Immunology</i> , 2010, 11, 862-871.	7.0	249
61	Properdin: Emerging Roles of a Pattern-Recognition Molecule. <i>Annual Review of Immunology</i> , 2010, 28, 131-155.	9.5	197
62	Properdin: New roles in pattern recognition and target clearance. <i>Molecular Immunology</i> , 2008, 45, 4048-4056.	1.0	86
63	The complement protein properdin binds apoptotic T cells and promotes complement activation and phagocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9023-9028.	3.3	135
64	CD46-Induced Immunomodulatory CD4+ T Cells Express the Adhesion Molecule and Chemokine Receptor Pattern of Intestinal T Cells. <i>Journal of Immunology</i> , 2008, 181, 2544-2555.	0.4	27
65	T-cell regulation: with complements from innate immunity. <i>Nature Reviews Immunology</i> , 2007, 7, 9-18.	10.6	310
66	T-Cell Stimulation and Regulation: With Complements from CD46. <i>Immunologic Research</i> , 2005, 32, 031-044.	1.3	45
67	Emerging roles and new functions of CD46. <i>Seminars in Immunopathology</i> , 2005, 27, 345-358.	4.0	89
68	Activation of human CD4+ cells with CD3 and CD46 induces a T-regulatory cell 1 phenotype. <i>Nature</i> , 2003, 421, 388-392.	13.7	550
69	Characterization of human membrane cofactor protein (MCP; CD46) on spermatozoa. <i>Molecular Reproduction and Development</i> , 2002, 62, 534-546.	1.0	43