# Claudia Kemper

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9190231/publications.pdf

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|---|---|---|---|
| 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 | Activation of human CD4+ cells with CD3 and CD46 induces a T-regulatory cell 1 phenotype. Nature, 2003, 421, 388-392. | 13.7 | 550 |
| 2 | Keeping It All Goingâ€"Complement Meets Metabolism. Frontiers in Immunology, 2017, 8, 1. | 2.2 | 534 |
| 3 | Intracellular Complement Activation Sustains T Cell Homeostasis and Mediates Effector Differentiation. Immunity, 2013, 39, 1143-1157. | 6.6 | 444 |
| 4 | T helper 1 immunity requires complement-driven NLRP3 inflammasome activity in CD4 <sup>+</sup> T cells. Science, 2016, 352, aad1210. | 6.0 | 395 |
| 5 | T-cell regulation: with complements from innate immunity. Nature Reviews Immunology, 2007, 7, 9-18. | 10.6 | 310 |
| 6 | Complement â€" tapping into new sites and effector systems. Nature Reviews Immunology, 2014, 14, 811-820. | 10.6 | 278 |
| 7 | C3a modulates IL-1Î² secretion in human monocytes by regulating ATP efflux and subsequent NLRP3 inflammasome activation. Blood, 2013, 122, 3473-3481. | 0.6 | 258 |
| 8 | Complement regulator CD46 temporally regulates cytokine production by conventional and unconventional T cells. Nature Immunology, 2010, 11, 862-871. | 7.0 | 249 |
| 9 | The Th1 life cycle: molecular control of IFN-Î³ to IL-10 switching. Trends in Immunology, 2011, 32, 278-286. | 2.9 | 203 |
| 10 | Properdin: Emerging Roles of a Pattern-Recognition Molecule. Annual Review of Immunology, 2010, 28, 131-155. | 9.5 | 197 |
| 11 | Complement Regulates Nutrient Influx and Metabolic Reprogramming during Th1 Cell Responses. Immunity, 2015, 42, 1033-1047. | 6.6 | 190 |
| 12 | Complement and the Regulation of T Cell Responses. Annual Review of Immunology, 2018, 36, 309-338. | 9.5 | 171 |
| 13 | The CD46-Jagged1 interaction is critical for human TH1 immunity. Nature Immunology, 2012, 13, 1213-1221. | 7.0 | 163 |
| 14 | Intracellular complement â˜' the complosome â˜' in immune cell regulation. Molecular Immunology, 2017, 89, 2-9. | 1.0 | 163 |
| 15 | The state of complement in COVID-19. Nature Reviews Immunology, 2022, 22, 77-84. | 10.6 | 159 |
| 16 | SARS-CoV-2 drives JAK1/2-dependent local complement hyperactivation. Science Immunology, 2021, 6, . | 5.6 | 144 |
| 17 | The complement protein properdin binds apoptotic T cells and promotes complement activation and phagocytosis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9023-9028. | 3.3 | 135 |
| 18 | COVID-19: Complement, Coagulation, and Collateral Damage. Journal of Immunology, 2020, 205, 1488-1495. | 0.4 | 127 |

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|---|---|---|---|
| 19 | Complement-Mediated Regulation of Metabolism and Basic Cellular Processes. Immunity, 2016, 45, 240-254. | 6.6 | 116 |
| 20 | A novel â€œcomplementâ€“metabolismâ€“inflammasome axisâ€•as a key regulator of immune cell effector function. European Journal of Immunology, 2016, 46, 1563-1573. | 1.6 | 107 |
| 21 | Autocrine vitamin D signaling switches off pro-inflammatory programs of TH1 cells. Nature Immunology, 2022, 23, 62-74. | 7.0 | 105 |
| 22 | The â€œins and outsâ€•of complementâ€driven immune responses. Immunological Reviews, 2016, 274, 16-32. | 2.8 | 99 |
| 23 | The cholesterol biosynthesis pathway regulates IL-10 expression in human Th1 cells. Nature Communications, 2019, 10, 498. | 5.8 | 98 |
| 24 | The Complement Receptor C5aR2: A Powerful Modulator of Innate and Adaptive Immunity. Journal of Immunology, 2019, 202, 3339-3348. | 0.4 | 97 |
| 25 | Novel roles of complement in T effector cell regulation. Immunobiology, 2012, 217, 216-224. | 0.8 | 96 |
| 26 | CD46: The â€˜multitaskerâ€™ of complement proteins. International Journal of Biochemistry and Cell Biology, 2013, 45, 2808-2820. | 1.2 | 95 |
| 27 | The intestinal complement system in inflammatory bowel disease: Shaping intestinal barrier function. Seminars in Immunology, 2018, 37, 66-73. | 2.7 | 93 |
| 28 | Emerging roles and new functions of CD46. Seminars in Immunopathology, 2005, 27, 345-358. | 4.0 | 89 |
| 29 | Properdin: New roles in pattern recognition and target clearance. Molecular Immunology, 2008, 45, 4048-4056. | 1.0 | 86 |
| 30 | Human retinoic acidâ€“regulated CD161+ regulatory T cells support wound repair in intestinal mucosa. Nature Immunology, 2018, 19, 1403-1414. | 7.0 | 86 |
| 31 | Complement receptor CD46 co-stimulates optimal human CD8+ T cell effector function via fatty acid metabolism. Nature Communications, 2018, 9, 4186. | 5.8 | 75 |
| 32 | Human complement C3 deficiency: Th1 induction requires T cell-derived complement C3a and CD46 activation. Molecular Immunology, 2014, 58, 98-107. | 1.0 | 71 |
| 33 | Novel roles for complement receptors in T cell regulation and beyond. Molecular Immunology, 2013, 56, 181-190. | 1.0 | 68 |
| 34 | Complement Nomenclatureâ€”Deconvoluted. Frontiers in Immunology, 2019, 10, 1308. | 2.2 | 59 |
| 35 | Diapedesis-Induced Integrin Signaling via LFA-1 Facilitates Tissue Immunity by Inducing Intrinsic Complement C3 Expression in Immune Cells. Immunity, 2020, 52, 513-527.e8. | 6.6 | 57 |
| 36 | Complement Nomenclature 2014. Molecular Immunology, 2014, 61, 56-58. | 1.0 | 56 |

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|---|---|---|---|
| 37 | Complement and human T cell metabolism: Location, location, location. Immunological Reviews, 2020, 295, 68-81. | 2.8 | 50 |
| 38 | Mitochondrial C5aR1 activity in macrophages controls IL-1Î² production underlying sterile inflammation. Science Immunology, 2021, 6, eabf2489. | 5.6 | 50 |
| 39 | Regulation of epithelial cell expressed C3 in the intestine â€“ Relevance for the pathophysiology of inflammatory bowel disease?. Molecular Immunology, 2017, 90, 227-238. | 1.0 | 49 |
| 40 | CD46 Activation Regulates miR-150â€“Mediated Control of GLUT1 Expression and Cytokine Secretion in Human CD4+ T Cells. Journal of Immunology, 2016, 196, 1636-1645. | 0.4 | 48 |
| 41 | Cholesterol metabolism drives regulatory B cell IL-10 through provision of geranylgeranyl pyrophosphate. Nature Communications, 2020, 11, 3412. | 5.8 | 47 |
| 42 | T-Cell Stimulation and Regulation: With Complements from CD46. Immunologic Research, 2005, 32, 031-044. | 1.3 | 45 |
| 43 | Characterization of human membrane cofactor protein (MCP; CD46) on spermatozoa. Molecular Reproduction and Development, 2002, 62, 534-546. | 1.0 | 43 |
| 44 | LFA-1 in T cell priming, differentiation, and effector functions. Trends in Immunology, 2021, 42, 706-722. | 2.9 | 43 |
| 45 | The role of complement in CD4+ T cell homeostasis and effector functions. Seminars in Immunology, 2013, 25, 12-19. | 2.7 | 40 |
| 46 | Complement component 3 from astrocytes mediates retinal ganglion cell loss during neuroinflammation. Acta Neuropathologica, 2021, 142, 899-915. | 3.9 | 39 |
| 47 | A TSLP-complement axis mediates neutrophil killing of methicillin-resistant Staphylococcus aureus. Science Immunology, 2016, 1, . | 5.6 | 37 |
| 48 | Dysregulated CD46 shedding interferes with Th1â€contraction in systemic lupus erythematosus. European Journal of Immunology, 2017, 47, 1200-1210. | 1.6 | 37 |
| 49 | Graft dysfunction in chronic antibody-mediated rejection correlates with B-cellâ€“dependent indirect antidonor alloresponses and autocrine regulation of interferon-Î³ production by Th1 cells. Kidney International, 2017, 91, 477-492. | 2.6 | 34 |
| 50 | Asparaginyl Endopeptidase (Legumain) Supports Human Th1 Induction via Cathepsin L-Mediated Intracellular C3 Activation. Frontiers in Immunology, 2018, 9, 2449. | 2.2 | 34 |
| 51 | Complement Has Brainsâ€”Do Intracellular Complement and Immunometabolism Cooperate in Tissue Homeostasis and Behavior?. Frontiers in Immunology, 2021, 12, 629986. | 2.2 | 30 |
| 52 | Vitamin D (1,25(OH)2D3) induces Î±-1-antitrypsin synthesis by CD4+ T cells, which is required for 1,25(OH)2D3-driven IL-10. Journal of Steroid Biochemistry and Molecular Biology, 2019, 189, 1-9. | 1.2 | 28 |
| 53 | Anti-myeloperoxidase antibodies attenuate the monocyte response to LPS and shape macrophage development. JCI Insight, 2017, 2, e87379. | 2.3 | 28 |
| 54 | CD46-Induced Immunomodulatory CD4+ T Cells Express the Adhesion Molecule and Chemokine Receptor Pattern of Intestinal T Cells. Journal of Immunology, 2008, 181, 2544-2555. | 0.4 | 27 |

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|---|---|---|---|
| 55 | Human plasma C3 is essential for the development of memory B, but not T, lymphocytes. Journal of Allergy and Clinical Immunology, 2018, 141, 1151-1154.e14. | 1.5 | 26 |
| 56 | The role of complement in arterial hypertension and hypertensive end organ damage. British Journal of Pharmacology, 2021, 178, 2849-2862. | 2.7 | 26 |
| 57 | Complement in Motion: The Evolution of CD46 from a Complement Regulator to an Orchestrator of Normal Cell Physiology. Journal of Immunology, 2019, 203, 3-5. | 0.4 | 25 |
| 58 | Back to the future â€“ non-canonical functions of complement. Seminars in Immunology, 2018, 37, 1-3. | 2.7 | 22 |
| 59 | Complement's favourite organelleâ€”Mitochondria?. British Journal of Pharmacology, 2021, 178, 2771-2785. | 2.7 | 21 |
| 60 | Unexpected Roles for Intracellular Complement in the Regulation of Th1 Responses. Advances in Immunology, 2018, 138, 35-70. | 1.1 | 20 |
| 61 | Experimentallyâ€induced antiâ€myeloperoxidase vasculitis does not require properdin, <scp>MASP</scp>â€2 or bone marrowâ€derived <scp>C5</scp>. Journal of Pathology, 2016, 240, 61-71. | 2.1 | 16 |
| 62 | GC1qR Cleavage by Caspase-1 Drives Aerobic Glycolysis in Tumor Cells. Frontiers in Oncology, 2020, 10, 575854. | 1.3 | 15 |
| 63 | Integrins meet complement: The evolutionary tip of an iceberg orchestrating metabolism and immunity. British Journal of Pharmacology, 2021, 178, 2754-2770. | 2.7 | 15 |
| 64 | Complement and T Cell Metabolism: Food for Thought. Immunometabolism, 2019, 1, e190006. | 0.7 | 14 |
| 65 | Deep phenotyping detects a pathological CD4+ T-cell complosome signature in systemic sclerosis. Cellular and Molecular Immunology, 2020, 17, 1010-1013. | 4.8 | 9 |
| 66 | Targeting the Dark Horse of complement: the first generation of functionally selective C5aR2 ligands. Immunology and Cell Biology, 2016, 94, 717-718. | 1.0 | 8 |
| 67 | Fibroblast tissue primingâ€”not so nice to C you!. Immunity, 2021, 54, 847-850. | 6.6 | 4 |
| 68 | Canonical and nonâ€canonical functions of the complement system in health and disease. British Journal of Pharmacology, 2021, 178, 2751-2753. | 2.7 | 4 |
| 69 | Complement and IL-22: Partnering Up for Border Patrol. Immunity, 2014, 41, 511-513. | 6.6 | 3 |