M Kathryn Liszewski

List of Publications by Year
in descending order

73	6,168	87888 38	88630 70
papers	citations	h-index	g-index

77	77	77	6099
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intracellular Complement Activation Sustains T Cell Homeostasis and Mediates Effector Differentiation. Immunity, 2013, 39, 1143-1157.	14.3	444
2	Mutations in human complement regulator, membrane cofactor protein (CD46), predispose to development of familial hemolytic uremic syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12966-12971.	7.1	388
3	C-terminal truncations in human 3â€²-5â€² DNA exonuclease TREX1 cause autosomal dominant retinal vasculopathy with cerebral leukodystrophy. Nature Genetics, 2007, 39, 1068-1070.	21.4	366
4	Mutations in complement C3 predispose to development of atypical hemolytic uremic syndrome. Blood, 2008, 112, 4948-4952.	1.4	355
5	Virulence differences between monkeypox virus isolates from West Africa and the Congo basin. Virology, 2005, 340, 46-63.	2.4	342
6	Membrane cofactor protein (MCP or CD46) is a cellular pilus receptor for pathogenic Neisseria. Molecular Microbiology, 1997, 25, 639-647.	2.5	325
7	The complement system in COVID-19: friend and foe?. JCI Insight, 2020, 5, .	5.0	295
8	Mutations in Complement Regulatory Proteins Predispose to Preeclampsia: A Genetic Analysis of the PROMISSE Cohort. PLoS Medicine, 2011, 8, e1001013.	8.4	240
9	West Nile virus nonstructural protein NS1 inhibits complement activation by binding the regulatory protein factor H. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19111-19116.	7.1	212
10	CD46: expanding beyond complement regulation. Trends in Immunology, 2004, 25, 496-503.	6.8	161
11	Characterization of mutations in complement factor I (CFI) associated with hemolytic uremic syndrome. Molecular Immunology, 2008, 45, 95-105.	2.2	136
12	Membrane cofactor protein mutations in atypical hemolytic uremic syndrome (aHUS), fatal Stx-HUS, C3 glomerulonephritis, and the HELLP syndrome. Blood, 2008, 111, 624-632.	1.4	131
13	Dissecting Sites Important for Complement Regulatory Activity in Membrane Cofactor Protein (MCP;) Tj ETQq1 1 0.784314 rgBT /Ove	3.4	126
14	CD46 Is a Cellular Receptor for All Species B Adenoviruses except Types 3 and 7. Journal of Virology, 2005, 79, 14429-14436.	3.4	125
15	Role of Membrane Cofactor Protein (CD46) in Regulation of C4b and C3b Deposited on Cells. Journal of Immunology, 2002, 168, 6298-6304.	0.8	123
16	Regulators of complement activity mediate inhibitory mechanisms through a common C3bâ€‘binding mode. EMBO Journal, 2016, 35, 1133-1149.	7.8	123
17	New roles for the major human 3â€²-5â€² exonuclease TREX1 in human disease. Cell Cycle, 2008, 7, 1718-1725.	2.6	120
18	Implications of the initial mutations in membrane cofactor protein (MCP; CD46) leading to atypical hemolytic uremic syndrome. Molecular Immunology, 2007, 44, 111-122.	2.2	115

#	Article	IF	Citations
19	Membrane Cofactor Protein (MCP; CD46): Isoform-Specific Tyrosine Phosphorylation. Journal of Immunology, 2000, 164, 1839-1846.	0.8	100
20	Evolution of the complement system: from defense of the single cell to guardian of the intravascular space. Immunological Reviews, 2016, 274, 9-15.	6.0	96
21	Advances in understanding of pathogenesis of aHUS and HELLP. British Journal of Haematology, 2008, 143, 336-348.	2.5	95
22	A C3(H20) recycling pathway is a component of the intracellular complement system. Journal of Clinical Investigation, 2017, 127, 970-981.	8.2	92
23	Structure and Regulatory Profile of the Monkeypox Inhibitor of Complement: Comparison to Homologs in Vaccinia and Variola and Evidence for Dimer Formation. Journal of Immunology, 2006, 176, 3725-3734.	0.8	91
24	Emerging roles and new functions of CD46. Seminars in Immunopathology, 2005, 27, 345-358.	4.0	89
25	Attachment of Neisseria gonorrhoeae to the cellular pilus receptor CD46: identification of domains important for bacterial adherence. Cellular Microbiology, 2001, 3, 133-143.	2.1	87
26	Interaction of Glycoprotein H of Human Herpesvirus 6 with the Cellular Receptor CD46. Journal of Biological Chemistry, 2003, 278, 25964-25969.	3.4	87
27	Complement regulator CD46: genetic variants and disease associations. Human Genomics, 2015, 9, 7.	2.9	87
28	Functional domains, structural variations and pathogen interactions of MCP, DAF and CR1. Immunopharmacology, 2000, 49, 103-116.	2.0	77
29	Complement Dysregulation and Disease: Insights from Contemporary Genetics. Annual Review of Pathology: Mechanisms of Disease, 2017, 12, 25-52.	22.4	70
30	Mutations in CD46, a complement regulatory protein, predispose to atypical HUS. Trends in Molecular Medicine, 2004, 10, 226-231.	6.7	58
31	Intracellular C3 Protects Human Airway Epithelial Cells from Stress-associated Cell Death. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 144-157.	2.9	58
32	Localization of Regions in CD46 That Interact with Adenovirus. Journal of Virology, 2005, 79, 7503-7513.	3.4	53
33	Von Willebrand factor regulates complement on endothelial cells. Kidney International, 2016, 90, 123-134.	5.2	53
34	Complementâ€™s hidden arsenal: New insights and novel functions inside the cell. Molecular Immunology, 2017, 84, 2-9.	2.2	53
35	Hemolytic Uremic Syndrome: An Example of Insufficient Complement Regulation on Selfâ€Tissue. Annals of the New York Academy of Sciences, 2005, 1056, 144-152.	3.8	48
36	Antibodies Specific for Modified Nucleosides: An Immunochemical Approach for the Isolation and Characterization of Nucleic Acids. Progress in Molecular Biology and Translational Science, 1980, 24, 109-165.	1.9	46

#	Article	IF	Citations
37	Antibody-nucleic acid complexes. Immunospecific retention of globin mRNA with antibodies specific for 7-methylguanosine. Biochemistry, 1982, 21, 2922-2928.	2.5	46
38	Membrane Cofactor Protein (CD46) Is a Basolateral Protein That Is Not Endocytosed. Journal of Biological Chemistry, 1997, 272, 20793-20799.	3.4	43
39	The complement system in the airway epithelium: An overlooked host defense mechanism and therapeutic target?. Journal of Allergy and Clinical Immunology, 2018, 141, 1582-1586.e1.	2.9	43
40	Two Different Cytoplasmic Tails Direct Isoforms of the Membrane Cofactor Protein (CD46) to the Basolateral Surface of Madin-Darby Canine Kidney Cells. Journal of Biological Chemistry, 1996, 271, 18853-18858.	3.4	39
41	Analysis of genes coding for <scp>CD</scp>46, <scp>CD</scp>55, and <scp>C</scp>4bâ€binding protein in patients with idiopathic, recurrent, spontaneous pregnancy loss. European Journal of Immunology, 2013, 43, 1617-1629.	2.9	36
42	Membrane cofactor protein (MCP; CD46): deficiency states and pathogen connections. Current Opinion in Immunology, 2021, 72, 126-134.	5.5	36
43	Congenital short bowel syndrome as the presenting symptom in male patients with FLNA mutations. Genetics in Medicine, 2013, 15, 310-313.	2.4	32
44	Role of complement receptor 1 (CR1; CD35) on epithelial cells: A model for understanding complement-mediated damage in the kidney. Molecular Immunology, 2015, 67, 584-595.	2.2	31
45	Using Mutagenesis and Structural Biology to Map the Binding Site for the Plasmodium falciparum Merozoite Protein PfRh4 on the Human Immune Adherence Receptor. Journal of Biological Chemistry, 2014, 289, 450-463.	3.4	30
46	Antibody-nucleic acid complexes. Conformational and base specificities associated with spontaneously occurring poly- and monoclonal anti-DNA antibodies from autoimmune mice. Biochemistry, 1984, 23, 2964-2970.	2.5	27
47	Inhibiting complement activation on cells at the step of C3 cleavage. Vaccine, 2008, 26, I22-I27.	3.8	26
48	Smallpox Inhibitor of Complement Enzymes (SPICE): Dissecting Functional Sites and Abrogating Activity. Journal of Immunology, 2009, 183, 3150-3159.	0.8	26
49	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.	0.8	25
50	Smallpox Inhibitor of Complement Enzymes (SPICE): Regulation of Complement Activation on Cells and Mechanism of Its Cellular Attachment. Journal of Immunology, 2008, 181, 4199-4207.	0.8	23
51	Hyperfunctional complement C3 promotes C5-dependent atypical hemolytic uremic syndrome in mice. Journal of Clinical Investigation, 2019, 129, 1061-1075.	8.2	23
52	Modeling how CD46 deficiency predisposes to atypical hemolytic uremic syndrome. Molecular Immunology, 2007, 44, 1559-1568.	2.2	22
53	Antibody-nucleic acid complexes. Inhibition of translation of silkmoth chorion messenger ribonucleic acid with antibodies specific for 7-methylguanosine. Biochemistry, 1979, 18, 3804-3810.	2.5	20
54	Antibody-nucleic acid complexes. Antigenic domains within nucleosides as defined by solid-phase immunoassay. Biochemistry, 1984, 23, 2958-2964.	2.5	20

#	Article	IF	Citations
55	CD46 and Oncologic Interactions: Friendly Fire against Cancer. Antibodies, 2020, 9, 59.	2.5	19
56	Too Much of a Good Thing at the Site of Tissue Injury: The Instructive Example of the Complement System Predisposing to Thrombotic Microangiopathy. Hematology American Society of Hematology Education Program, 2011, 2011, 9-14.	2.5	16
57	Antibody-nucleic acid complexes. Identification of the antigenic determinant of a murine monoclonal antibody specific for single-stranded nucleic acids. Biochemistry, 1982, 21, 2929-2936.	2.5	14
58	A Multimodality Approach to Assessing Factor I Genetic Variants in Atypical Hemolytic Uremic Syndrome. Kidney International Reports, 2019, 4, 1007-1017.	0.8	14
59	Development and Optimization of an ELISA to Quantitate C3(H2O) as a Marker of Human Disease. Frontiers in Immunology, 2019, 10, 703.	4.8	14
60	Novel complement inhibitors. Expert Opinion on Investigational Drugs, 1998, 7, 323-331.	4.1	13
61	Lesion evolution and neurodegeneration in RVCL-S. Neurology, 2020, 95, e1918-e1931.	1.1	13
62	Thiol isomerase ERp57 targets and modulates the lectin pathway of complement activation. Journal of Biological Chemistry, 2019, 294, 4878-4888.	3.4	12
63	Oversulfated Heparin By-Products Induce Thrombin Generation in Human Plasmas Through Contact System Activation. Clinical and Applied Thrombosis/Hemostasis, 2010, 16, 244-250.	1.7	10
64	Ex VivoandIn VivoCD46 Receptor Utilization by Species D Human Adenovirus Serotype 26 (HAdV26). Journal of Virology, 2022, 96, JVI0082621.	3.4	9
65	Dengue and the Lectin Pathway of the Complement System. Viruses, 2021, 13, 1219.	3.3	7
66	Presence of an intracellular C3-C3aR system in the human lung epithelium. Immunobiology, 2016, 221, 1148-1149.	1.9	5
67	Novel de novo TREX1 mutation in a patient with retinal vasculopathy with cerebral leukoencephalopathy and systemic manifestations mimicking demyelinating disease. Multiple Sclerosis and Related Disorders, 2021, 52, 103015.	2.0	4
68	A C3(H2O) recycling and degradation pathway of the intracellular complement system. Immunobiology, 2016, 221, 1197.	1.9	1
69	Mutations of C3 in Atypical Hemolytic Uremic Syndrome (aHUS). FASEB Journal, 2008, 22, 673.6.	0.5	1
70	Super C3-convertases, formed by gain-of-function factor B or C3 mutant proteins are associated with atypical haemolytic uraemic syndrome with a poor outcome. Molecular Immunology, 2008, 45, 4098-4099.	2.2	0
71	Analysis of genes coding for CD46, CD55 and C4b-binding protein in patients with idiopathic, recurrent, spontaneous pregnancy loss. Immunobiology, 2012, 217, 1138.	1.9	0
72	Intracellular C3 protects human airway epithelial cells from oxidative-stress induced cell death. Molecular Immunology, 2018, 102, 177-178.	2.2	0

#	Article	IF	Citations
73	282â€…Generation of hydrolyzed complement component C3 is substantially elevated in SLE. , 2019, , .		0