

Matthew C Pickering

List of Publications by Citations

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115
papers

6,781
citations

45
h-index

81
g-index

125
ext. papers

8,040
ext. citations

8.8
avg, IF

5.63
L-index

#	Paper	IF	Citations
115	C3 glomerulopathy: consensus report. <i>Kidney International</i> , 2013 , 84, 1079-89	9.9	398
114	Uncontrolled C3 activation causes membranoproliferative glomerulonephritis in mice deficient in complement factor H. <i>Nature Genetics</i> , 2002 , 31, 424-8	36.3	397
113	Intracellular complement activation sustains T cell homeostasis and mediates effector differentiation. <i>Immunity</i> , 2013 , 39, 1143-57	32.3	309
112	C3 glomerulopathy: a new classification. <i>Nature Reviews Nephrology</i> , 2010 , 6, 494-9	14.9	265
111	Identification of a mutation in complement factor H-related protein 5 in patients of Cypriot origin with glomerulonephritis. <i>Lancet, The</i> , 2010 , 376, 794-801	4.0	258
110	Spontaneous hemolytic uremic syndrome triggered by complement factor H lacking surface recognition domains. <i>Journal of Experimental Medicine</i> , 2007 , 204, 1249-56	16.6	225
109	Complement in human diseases: Lessons from complement deficiencies. <i>Molecular Immunology</i> , 2009 , 46, 2774-83	4.3	216
108	New approaches to the treatment of dense deposit disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2007 , 18, 2447-56	12.7	200
107	Dimerization of complement factor H-related proteins modulates complement activation in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 4685-90	11.5	195
106	Atypical aHUS: State of the art. <i>Molecular Immunology</i> , 2015 , 67, 31-42	4.3	177
105	Complement factor H deficiency in aged mice causes retinal abnormalities and visual dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16651-6	11.5	169
104	C3 glomerulopathy-associated CFHR1 mutation alters FHR oligomerization and complement regulation. <i>Journal of Clinical Investigation</i> , 2013 , 123, 2434-46	15.9	148
103	C3 glomerulopathy: clinicopathologic features and predictors of outcome. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2014 , 9, 46-53	6.9	138
102	Translational mini-review series on complement factor H: renal diseases associated with complement factor H: novel insights from humans and animals. <i>Clinical and Experimental Immunology</i> , 2008 , 151, 210-30	6.2	134
101	Prevention of C5 activation ameliorates spontaneous and experimental glomerulonephritis in factor H-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 9649-54	11.5	125
100	A hybrid CFHR3-1 gene causes familial C3 glomerulopathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2012 , 23, 1155-60	12.7	112
99	C3 glomerulopathy - understanding a rare complement-driven renal disease. <i>Nature Reviews Nephrology</i> , 2019 , 15, 129-143	14.9	109

98	The complement system as a potential therapeutic target in rheumatic disease. <i>Nature Reviews Rheumatology</i> , 2017 , 13, 538-547	8.1	104
97	Factor I is required for the development of membranoproliferative glomerulonephritis in factor H-deficient mice. <i>Journal of Clinical Investigation</i> , 2008 , 118, 608-18	15.9	99
96	P2X7 deficiency attenuates renal injury in experimental glomerulonephritis. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 1275-81	12.7	95
95	High Prevalence of Asymptomatic COVID-19 Infection in Hemodialysis Patients Detected Using Serologic Screening. <i>Journal of the American Society of Nephrology: JASN</i> , 2020 , 31, 1969-1975	12.7	94
94	The development of atypical hemolytic uremic syndrome depends on complement C5. <i>Journal of the American Society of Nephrology: JASN</i> , 2011 , 22, 137-45	12.7	89
93	Management and treatment of glomerular diseases (part 2): conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference. <i>Kidney International</i> , 2019 , 95, 281-295	9.9	87
92	Complement Factor H Inhibits CD47-Mediated Resolution of Inflammation. <i>Immunity</i> , 2017 , 46, 261-272	32.3	84
91	Histopathology of MPGN and C3 glomerulopathies. <i>Nature Reviews Nephrology</i> , 2015 , 11, 14-22	14.9	75
90	Acute presentation and persistent glomerulonephritis following streptococcal infection in a patient with heterozygous complement factor H-related protein 5 deficiency. <i>American Journal of Kidney Diseases</i> , 2012 , 60, 121-5	7.4	74
89	Dense deposit disease. <i>Molecular Immunology</i> , 2011 , 48, 1604-10	4.3	70
88	Treatment with human complement factor H rapidly reverses renal complement deposition in factor H-deficient mice. <i>Kidney International</i> , 2010 , 78, 279-86	9.9	67
87	The role of complement in C3 glomerulopathy. <i>Molecular Immunology</i> , 2015 , 67, 21-30	4.3	65
86	The follicular dendritic cell restricted epitope, FDC-M2, is complement C4; localization of immune complexes in mouse tissues. <i>European Journal of Immunology</i> , 2002 , 32, 1888-96	6.1	63
85	Circulating complement factor H-related proteins 1' and 5 correlate with disease activity in IgA nephropathy. <i>Kidney International</i> , 2017 , 92, 942-952	9.9	62
84	Complement and glomerular disease: new insights. <i>Current Opinion in Nephrology and Hypertension</i> , 2011 , 20, 271-7	3.5	62
83	Recent insights into C3 glomerulopathy. <i>Nephrology Dialysis Transplantation</i> , 2013 , 28, 1685-93	4.3	61
82	Detection of complement activation using monoclonal antibodies against C3d. <i>Journal of Clinical Investigation</i> , 2013 , 123, 2218-30	15.9	60
81	Factor H-related protein 5 interacts with pentraxin 3 and the extracellular matrix and modulates complement activation. <i>Journal of Immunology</i> , 2015 , 194, 4963-73	5.3	56

80	Phagocytosis is the main CR3-mediated function affected by the lupus-associated variant of CD11b in human myeloid cells. <i>PLoS ONE</i> , 2013 , 8, e57082	3.7	54
79	A novel CFHR5 fusion protein causes C3 glomerulopathy in a family without Cypriot ancestry. <i>Kidney International</i> , 2014 , 85, 933-7	9.9	53
78	Complement component C3 plays a critical role in protecting the aging retina in a murine model of age-related macular degeneration. <i>American Journal of Pathology</i> , 2013 , 183, 480-92	5.8	53
77	Dense deposit disease and C3 glomerulopathy. <i>Seminars in Nephrology</i> , 2013 , 33, 493-507	4.8	53
76	Continual low-level activation of the classical complement pathway. <i>Journal of Experimental Medicine</i> , 2001 , 194, 747-56	16.6	51
75	Complement factor h limits immune complex deposition and prevents inflammation and scarring in glomeruli of mice with chronic serum sickness. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 52-7	12.7	49
74	Design and evaluation of meningococcal vaccines through structure-based modification of host and pathogen molecules. <i>PLoS Pathogens</i> , 2012 , 8, e1002981	7.6	48
73	Update on C3 glomerulopathy. <i>Nephrology Dialysis Transplantation</i> , 2016 , 31, 717-25	4.3	46
72	The complement factor H-related proteins. <i>Immunological Reviews</i> , 2016 , 274, 191-201	11.3	45
71	SLE with C1q deficiency treated with fresh frozen plasma: a 10-year experience. <i>Rheumatology</i> , 2010 , 49, 823-4	3.9	44
70	An extended mini-complement factor H molecule ameliorates experimental C3 glomerulopathy. <i>Kidney International</i> , 2015 , 88, 1314-1322	9.9	43
69	Binding of factor H to tubular epithelial cells limits interstitial complement activation in ischemic injury. <i>Kidney International</i> , 2011 , 80, 165-73	9.9	42
68	Are anti-C1q antibodies different from other SLE autoantibodies?. <i>Nature Reviews Rheumatology</i> , 2010 , 6, 490-3	8.1	41
67	C3 glomerulopathy: the genetic and clinical findings in dense deposit disease and C3 glomerulonephritis. <i>Seminars in Thrombosis and Hemostasis</i> , 2014 , 40, 465-71	5.3	40
66	Competition between antagonistic complement factors for a single protein on <i>N. meningitidis</i> rules disease susceptibility. <i>eLife</i> , 2014 , 3,	8.9	39
65	Detection of glomerular complement C3 fragments by magnetic resonance imaging in murine lupus nephritis. <i>Kidney International</i> , 2012 , 81, 152-9	9.9	38
64	Factor H facilitates the clearance of GBM bound iC3b by controlling C3 activation in fluid phase. <i>Molecular Immunology</i> , 2009 , 46, 1942-50	4.3	37
63	Decay-accelerating factor suppresses complement C3 activation and retards atherosclerosis in low-density lipoprotein receptor-deficient mice. <i>American Journal of Pathology</i> , 2009 , 175, 1757-67	5.8	36

62	Circulating complement factor H-related protein 5 levels contribute to development and progression of IgA nephropathy. <i>Kidney International</i> , 2018 , 94, 150-158	9.9	35
61	The role of complement in IgA nephropathy. <i>Molecular Immunology</i> , 2019 , 114, 123-132	4.3	35
60	Eculizumab as rescue therapy in severe resistant lupus nephritis. <i>Rheumatology</i> , 2015 , 54, 2286-8	3.9	33
59	Atypical hemolytic uremic syndrome and genetic aberrations in the complement factor H-related 5 gene. <i>Journal of Human Genetics</i> , 2012 , 57, 459-64	4.3	32
58	Progressive IgA Nephropathy Is Associated With Low Circulating Mannan-Binding Lectin-Associated Serine Protease-3 (MASP-3) and Increased Glomerular Factor H-Related Protein-5 (FHR5) Deposition. <i>Kidney International Reports</i> , 2018 , 3, 426-438	4.1	31
57	Ultraviolet-radiation-induced keratinocyte apoptosis in C1q-deficient mice. <i>Journal of Investigative Dermatology</i> , 2001 , 117, 52-8	4.3	31
56	IgM exacerbates glomerular disease progression in complement-induced glomerulopathy. <i>Kidney International</i> , 2015 , 88, 528-37	9.9	30
55	An Engineered Complement Factor H Construct for Treatment of C3 Glomerulopathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 1649-1661	12.7	25
54	Triglyceride-Rich Lipoproteins Modulate the Distribution and Extravasation of Ly6C/Gr1(low) Monocytes. <i>Cell Reports</i> , 2015 , 12, 1802-15	10.6	24
53	IgA1 Glycosylation Is Heritable in Healthy Twins. <i>Journal of the American Society of Nephrology: JASN</i> , 2017 , 28, 64-68	12.7	22
52	Glomerular membrane attack complex is not a reliable marker of ongoing C5 activation in lupus nephritis. <i>Kidney International</i> , 2019 , 95, 655-665	9.9	22
51	Nonfunctional variant 3 factor H binding proteins as meningococcal vaccine candidates. <i>Infection and Immunity</i> , 2014 , 82, 1157-63	3.7	22
50	Partial Complement Factor H Deficiency Associates with C3 Glomerulopathy and Thrombotic Microangiopathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 1334-42	12.7	21
49	Regulating complement in the kidney: insights from CFHR5 nephropathy. <i>DMM Disease Models and Mechanisms</i> , 2011 , 4, 721-6	4.1	21
48	Crry deficiency in complement sufficient mice: C3 consumption occurs without associated renal injury. <i>Molecular Immunology</i> , 2009 , 46, 803-11	4.3	21
47	C3 dysregulation due to factor H deficiency is mannan-binding lectin-associated serine proteases (MASP)-1 and MASP-3 independent in vivo. <i>Clinical and Experimental Immunology</i> , 2014 , 176, 84-92	6.2	20
46	Efficacy of Targeted Complement Inhibition in Experimental C3 Glomerulopathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 405-16	12.7	19
45	Essential role of surface-bound complement factor H in controlling immune complex-induced arthritis. <i>Journal of Immunology</i> , 2013 , 190, 3560-9	5.3	19

44	Longitudinal proteomic profiling of dialysis patients with COVID-19 reveals markers of severity and predictors of death. <i>ELife</i> , 2021 , 10,	8.9	17
43	Complement Factor H Serum Levels Determine Resistance to Pneumococcal Invasive Disease. <i>Journal of Infectious Diseases</i> , 2016 , 213, 1820-7	7	15
42	Complement factor H-deficient mice develop spontaneous hepatic tumors. <i>Journal of Clinical Investigation</i> , 2020 , 130, 4039-4054	15.9	14
41	Hyperfunctional complement C3 promotes C5-dependent atypical hemolytic uremic syndrome in mice. <i>Journal of Clinical Investigation</i> , 2019 , 129, 1061-1075	15.9	14
40	Distinct roles for the complement regulators factor H and Crry in protection of the kidney from injury. <i>Kidney International</i> , 2016 , 90, 109-22	9.9	13
39	Complement factor H protects mice from ischemic acute kidney injury but is not critical for controlling complement activation by glomerular IgM. <i>European Journal of Immunology</i> , 2018 , 48, 791-802 ^{6.1}	6.1	11
38	Glomerular Complement Factor H-Related Protein 5 (FHR5) Is Highly Prevalent in C3 Glomerulopathy and Associated With Renal Impairment. <i>Kidney International Reports</i> , 2019 , 4, 1387-1400 ^{4.1}	4.1	10
37	Complement factor H contributes to mortality in humans and mice with bacterial meningitis. <i>Journal of Neuroinflammation</i> , 2019 , 16, 279	10.1	10
36	Autoantibody-dependent amplification of inflammation in SLE. <i>Cell Death and Disease</i> , 2020 , 11, 729	9.8	9
35	Altered expression of signalling lymphocyte activation molecule receptors in T-cells from lupus nephritis patients-a potential biomarker of disease activity. <i>Rheumatology</i> , 2017 , 56, 1206-1216	3.9	8
34	Complement Regulatory Protein Factor H Is a Soluble Prion Receptor That Potentiates Peripheral Prion Pathogenesis. <i>Journal of Immunology</i> , 2017 , 199, 3821-3827	5.3	8
33	Annexin A2 Enhances Complement Activation by Inhibiting Factor H. <i>Journal of Immunology</i> , 2016 , 196, 1355-65	5.3	8
32	Type I interferons affect the metabolic fitness of CD8 T cells from patients with systemic lupus erythematosus. <i>Nature Communications</i> , 2021 , 12, 1980	17.4	8
31	Atypical hemolytic uremic syndrome: telling the difference between H and Y. <i>Kidney International</i> , 2010 , 78, 721-3	9.9	7
30	Experimental models of membranoproliferative glomerulonephritis, including dense deposit disease. <i>Contributions To Nephrology</i> , 2011 , 169, 198-210	1.6	7
29	- and -Glycosylation of Serum Immunoglobulin A is Associated with IgA Nephropathy and Glomerular Function. <i>Journal of the American Society of Nephrology: JASN</i> , 2021 , 32, 2455-2465	12.7	6
28	Circulating FH Protects Kidneys From Tubular Injury During Systemic Hemolysis. <i>Frontiers in Immunology</i> , 2020 , 11, 1772	8.4	5
27	Relationship between complotype and reported severity of systemic allergic reactions to peanut. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 129, 1398-1401.e3	11.5	5

26	Gain-of-function factor H-related 5 protein impairs glomerular complement regulation resulting in kidney damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
25	Improving Clinical Trials for Anticomplement Therapies in Complement-Mediated Glomerulopathies: Report of a Scientific Workshop Sponsored by the National Kidney Foundation. <i>American Journal of Kidney Diseases</i> , 2021 ,	7.4	5
24	Complement receptor 3 mediates renal protection in experimental C3 glomerulopathy. <i>Kidney International</i> , 2016 , 89, 823-32	9.9	4
23	Complement Factor H Modulates Splenic B Cell Development and Limits Autoantibody Production. <i>Frontiers in Immunology</i> , 2019 , 10, 1607	8.4	4
22	Complement activation in IgA nephropathy. <i>Seminars in Immunopathology</i> , 2021 , 43, 679-690	12	4
21	Complement alternative pathway genetic variation and Dengue infection in the Thai population. <i>Clinical and Experimental Immunology</i> , 2013 , 174, 326-34	6.2	3
20	Lateral medullary syndrome with anti-neuronal antibodies (anti-Ta/Ma2) in primary Sjogren's syndrome. <i>Rheumatology</i> , 2009 , 48, 1174-6	3.9	3
19	SARS-CoV-2 Antibody Point-of-Care Testing in Dialysis and Kidney Transplant Patients With COVID-19. <i>Kidney Medicine</i> , 2021 , 3, 54-59.e1	2.8	3
18	Successful simultaneous liver-kidney transplantation for renal failure associated with hereditary complement C3 deficiency. <i>American Journal of Transplantation</i> , 2020 , 20, 2260-2263	8.7	2
17	Membranoproliferative and C3-Mediated GN in Children 2016 , 1035-1053		2
16	Defining the Glycosaminoglycan Interactions of Complement Factor H-Related Protein 5. <i>Journal of Immunology</i> , 2021 , 207, 534-541	5.3	2
15	Painful myositis in the anti-synthetase syndrome with anti-PL12 antibodies. <i>Rheumatology International</i> , 2012 , 32, 825-7	3.6	1
14	False-positive results obtained using the Mantoux test in Behçet's syndrome: comment on the article by García-Porrà et al. <i>Arthritis and Rheumatism</i> , 2000 , 43, 2855-6		1
13	Complement activation during cardiopulmonary bypass and association with clinical outcomes. <i>EJHaem</i> , 2022 , 3, 86-96	0.9	1
12	Complement and kidney disease, new insights. <i>Current Opinion in Nephrology and Hypertension</i> , 2021 , 30, 310-316	3.5	1
11	Murine Factor H Co-Produced in Yeast With Protein Disulfide Isomerase Ameliorated C3 Dysregulation in Factor H-Deficient Mice. <i>Frontiers in Immunology</i> , 2021 , 12, 681098	8.4	1
10	MO126CLINICAL AND BIOMARKER CHARACTERISTICS OF PATIENTS WITH C3G OR IC-MPGN ENROLLED IN TWO PHASE II STUDIES INVESTIGATING THE FACTOR D INHIBITOR DANICOPAN*. <i>Nephrology Dialysis Transplantation</i> , 2021 , 36,	4.3	1
9	Adeno-Associated Virus Vector Gene Delivery Elevates Factor I Levels and Downregulates the Complement Alternative Pathway. <i>Human Gene Therapy</i> , 2021 , 32, 1370-1381	4.8	1

8	Homodimeric Minimal Factor H: Tracking and Extended Dosing Studies in Factor H Deficient Mice.. <i>Frontiers in Immunology</i> , 2021 , 12, 752916	8.4	1
7	C3 Glomerulopathy and Related Disorders in Children: Etiology-Phenotype Correlation and Outcomes. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2021 , 16, 1639-1651	6.9	0
6	Disorders of complement regulation. <i>Drug Discovery Today: Disease Models</i> , 2014 , 11, 29-35	1.3	
5	Genetic Manipulation 2006 , 563-589		
4	ATYPICAL HEMOLYTIC UREMIC SYNDROME AND C3 GLOMERULOPATHY: CONCLUSIONS FROM A «KIDNEY DISEASE: IMPROVING GLOBAL OUTCOMES» (KDIGO) CONTROVERSIES CONFERENCE. <i>Nephrology (Saint-Petersburg)</i> , 2018 , 22, 18-39	0.4	
3	Membranoproliferative and C3-Mediated GN in Children 2015 , 1-22		
2	Complement activity is regulated in C3 glomerulopathy by IgG-factor H fusion proteins with and without properdin targeting domains. <i>Kidney International</i> , 2021 , 99, 396-404	9.9	
1	Membranoproliferative Glomerulonephritis and C3 Glomerulopathy in Children 2021 , 1-31		