Matthew C Pickering

List of Publications by Year in Descending Order

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	Complement activation during cardiopulmonary bypass and association with clinical outcomes. *EJHaem*, **2022**, 3, 86-96	0.9	1
114	Complement and kidney disease, new insights. *Current Opinion in Nephrology and Hypertension*, **2021**, 30, 310-316	3.5	1
113	Longitudinal proteomic profiling of dialysis patients with COVID-19 reveals markers of severity and predictors of death. *ELife*, **2021**, 10,	8.9	17
112	Gain-of-function factor H-related 5 protein impairs glomerular complement regulation resulting in kidney damage. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	5
111	Murine Factor H Co-Produced in Yeast With Protein Disulfide Isomerase Ameliorated C3 Dysregulation in Factor H-Deficient Mice. *Frontiers in Immunology*, **2021**, 12, 681098	8.4	1
110	MO126CLINICAL AND BIOMARKER CHARACTERISTICS OF PATIENTS WITH C3G OR IC-MPGN ENROLLED IN TWO PHASE II STUDIES INVESTIGATING THE FACTOR D INHIBITOR DANICOPAN*. *Nephrology Dialysis Transplantation*, **2021**, 36,	4.3	1
109	- and -Glycosylation of Serum Immunoglobulin A is Associated with IgA Nephropathy and Glomerular Function. *Journal of the American Society of Nephrology: JASN*, **2021**, 32, 2455-2465	12.7	6
108	Defining the Glycosaminoglycan Interactions of Complement Factor H-Related Protein 5. *Journal of Immunology*, **2021**, 207, 534-541	5.3	2
107	SARS-CoV-2 Antibody Point-of-Care Testing in Dialysis and Kidney Transplant Patients With COVID-19. *Kidney Medicine*, **2021**, 3, 54-59.e1	2.8	3
106	Complement activity is regulated in C3 glomerulopathy by IgG-factor H fusion proteins with and without properdin targeting domains. *Kidney International*, **2021**, 99, 396-404	9.9	
105	Membranoproliferative Glomerulonephritis and C3 Glomerulopathy in Children **2021**, 1-31		
104	Type I interferons affect the metabolic fitness of CD8 T cells from patients with systemic lupus erythematosus. *Nature Communications*, **2021**, 12, 1980	17.4	8
103	Complement activation in IgA nephropathy. *Seminars in Immunopathology*, **2021**, 43, 679-690	12	4
102	Adeno-Associated Virus Vector Gene Delivery Elevates Factor I Levels and Downregulates the Complement Alternative Pathway. *Human Gene Therapy*, **2021**, 32, 1370-1381	4.8	1
101	C3 Glomerulopathy and Related Disorders in Children: Etiology-Phenotype Correlation and Outcomes. *Clinical Journal of the American Society of Nephrology: CJASN*, **2021**, 16, 1639-1651	6.9	0
100	Improving Clinical Trials for Anticomplement Therapies in Complement-Mediated Glomerulopathies: Report of a Scientific Workshop Sponsored by the National Kidney Foundation. *American Journal of Kidney Diseases*, **2021**,	7.4	5
99	Homodimeric Minimal Factor H: Tracking and Extended Dosing Studies in Factor H Deficient Mice.. *Frontiers in Immunology*, **2021**, 12, 752916	8.4	1

98	Circulating FH Protects Kidneys From Tubular Injury During Systemic Hemolysis. *Frontiers in Immunology*, **2020**, 11, 1772	8.4	5
97	Successful simultaneous liver-kidney transplantation for renal failure associated with hereditary complement C3 deficiency. *American Journal of Transplantation*, **2020**, 20, 2260-2263	8.7	2
96	Complement factor H-deficient mice develop spontaneous hepatic tumors. *Journal of Clinical Investigation*, **2020**, 130, 4039-4054	15.9	14
95	High Prevalence of Asymptomatic COVID-19 Infection in Hemodialysis Patients Detected Using Serologic Screening. *Journal of the American Society of Nephrology: JASN*, **2020**, 31, 1969-1975	12.7	94
94	Autoantibody-dependent amplification of inflammation in SLE. *Cell Death and Disease*, **2020**, 11, 729	9.8	9
93	C3 glomerulopathy - understanding a rare complement-driven renal disease. *Nature Reviews Nephrology*, **2019**, 15, 129-143	14.9	109
92	Glomerular membrane attack complex is not a reliable marker of ongoing C5 activation in lupus nephritis. *Kidney International*, **2019**, 95, 655-665	9.9	22
91	The role of complement in IgA nephropathy. *Molecular Immunology*, **2019**, 114, 123-132	4.3	35
90	Complement Factor H Modulates Splenic B Cell Development and Limits Autoantibody Production. *Frontiers in Immunology*, **2019**, 10, 1607	8.4	4
89	Glomerular Complement Factor H-Related Protein 5 (FHR5) Is Highly Prevalent in C3 Glomerulopathy and Associated With Renal Impairment. *Kidney International Reports*, **2019**, 4, 1387-1400	4.1	10
88	Hyperfunctional complement C3 promotes C5-dependent atypical hemolytic uremic syndrome in mice. *Journal of Clinical Investigation*, **2019**, 129, 1061-1075	15.9	14
87	Complement factor H contributes to mortality in humans and mice with bacterial meningitis. *Journal of Neuroinflammation*, **2019**, 16, 279	10.1	10
86	Management and treatment of glomerular diseases (part 2): conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference. *Kidney International*, **2019**, 95, 281-295	9.9	87
85	Complement factor H protects mice from ischemic acute kidney injury but is not critical for controlling complement activation by glomerular IgM. *European Journal of Immunology*, **2018**, 48, 791-802	6.1	11
84	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. *Kidney International Reports*, **2018**, 3, 426-438	4.1	31
83	An Engineered Complement Factor H Construct for Treatment of C3 Glomerulopathy. *Journal of the American Society of Nephrology: JASN*, **2018**, 29, 1649-1661	12.7	25
82	Circulating complement factor H-related protein 5 levels contribute to development and progression of IgA nephropathy. *Kidney International*, **2018**, 94, 150-158	9.9	35
81	ATYPICAL HEMOLYTIC UREMIC SYNDROME AND C3 GLOMERULOPATHY: CONCLUSIONS FROM A «KIDNEY DISEASE: IMPROVING GLOBAL OUTCOMES» (KDIGO) CONTROVERSIES CONFERENCE. *Nephrology (Saint-Petersburg)*, **2018**, 22, 18-39	0.4	

80	IgA1 Glycosylation Is Heritable in Healthy Twins. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 64-68	12.7	22
79	Complement Factor H Inhibits CD47-Mediated Resolution of Inflammation. *Immunity*, **2017**, 46, 261-272	32.3	84
78	Altered expression of signalling lymphocyte activation molecule receptors in T-cells from lupus nephritis patients-a potential biomarker of disease activity. *Rheumatology*, **2017**, 56, 1206-1216	3.9	8
77	Complement Regulatory Protein Factor H Is a Soluble Prion Receptor That Potentiates Peripheral Prion Pathogenesis. *Journal of Immunology*, **2017**, 199, 3821-3827	5.3	8
76	The complement system as a potential therapeutic target in rheumatic disease. *Nature Reviews Rheumatology*, **2017**, 13, 538-547	8.1	104
75	Circulating complement factor H-related proteins 1´and 5 correlate with disease activity in IgA nephropathy. *Kidney International*, **2017**, 92, 942-952	9.9	62
74	Partial Complement Factor H Deficiency Associates with C3 Glomerulopathy and Thrombotic Microangiopathy. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 1334-42	12.7	21
73	The complement factor H-related proteins. *Immunological Reviews*, **2016**, 274, 191-201	11.3	45
72	Efficacy of Targeted Complement Inhibition in Experimental C3 Glomerulopathy. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 405-16	12.7	19
71	Complement Factor H Serum Levels Determine Resistance to Pneumococcal Invasive Disease. *Journal of Infectious Diseases*, **2016**, 213, 1820-7	7	15
70	Complement receptor 3 mediates renal protection in experimental C3 glomerulopathy. *Kidney International*, **2016**, 89, 823-32	9.9	4
69	Membranoproliferative and C3-Mediated GN in Children **2016**, 1035-1053		2
68	Annexin A2 Enhances Complement Activation by Inhibiting Factor H. *Journal of Immunology*, **2016**, 196, 1355-65	5.3	8
67	Update on C3 glomerulopathy. *Nephrology Dialysis Transplantation*, **2016**, 31, 717-25	4.3	46
66	Distinct roles for the complement regulators factor H and Crry in protection of the kidney from injury. *Kidney International*, **2016**, 90, 109-22	9.9	13
65	Factor H-related protein 5 interacts with pentraxin 3 and the extracellular matrix and modulates complement activation. *Journal of Immunology*, **2015**, 194, 4963-73	5.3	56
64	The role of complement in C3 glomerulopathy. *Molecular Immunology*, **2015**, 67, 21-30	4.3	65
63	IgM exacerbates glomerular disease progression in complement-induced glomerulopathy. *Kidney International*, **2015**, 88, 528-37	9.9	30

62	Atypical aHUS: State of the art. *Molecular Immunology*, **2015**, 67, 31-42	4.3	177
61	Triglyceride-Rich Lipoproteins Modulate the Distribution and Extravasation of Ly6C/Gr1(low) Monocytes. *Cell Reports*, **2015**, 12, 1802-15	10.6	24
60	An extended mini-complement factor H molecule ameliorates experimental C3 glomerulopathy. *Kidney International*, **2015**, 88, 1314-1322	9.9	43
59	Histopathology of MPGN and C3 glomerulopathies. *Nature Reviews Nephrology*, **2015**, 11, 14-22	14.9	75
58	Eculizumab as rescue therapy in severe resistant lupus nephritis. *Rheumatology*, **2015**, 54, 2286-8	3.9	33
57	Membranoproliferative and C3-Mediated GN in Children **2015**, 1-22		
56	C3 glomerulopathy: the genetic and clinical findings in dense deposit disease and C3 glomerulonephritis. *Seminars in Thrombosis and Hemostasis*, **2014**, 40, 465-71	5.3	40
55	C3 glomerulopathy: clinicopathologic features and predictors of outcome. *Clinical Journal of the American Society of Nephrology: CJASN*, **2014**, 9, 46-53	6.9	138
54	A novel CFHR5 fusion protein causes C3 glomerulopathy in a family without Cypriot ancestry. *Kidney International*, **2014**, 85, 933-7	9.9	53
53	Disorders of complement regulation. *Drug Discovery Today: Disease Models*, **2014**, 11, 29-35	1.3	
52	C3 dysregulation due to factor H deficiency is mannan-binding lectin-associated serine proteases (MASP)-1 and MASP-3 independent in vivo. *Clinical and Experimental Immunology*, **2014**, 176, 84-92	6.2	20
51	Nonfunctional variant 3 factor H binding proteins as meningococcal vaccine candidates. *Infection and Immunity*, **2014**, 82, 1157-63	3.7	22
50	Competition between antagonistic complement factors for a single protein on N. meningitidis rules disease susceptibility. *ELife*, **2014**, 3,	8.9	39
49	Complement component C3 plays a critical role in protecting the aging retina in a murine model of age-related macular degeneration. *American Journal of Pathology*, **2013**, 183, 480-92	5.8	53
48	Dense deposit disease and C3 glomerulopathy. *Seminars in Nephrology*, **2013**, 33, 493-507	4.8	53
47	Recent insights into C3 glomerulopathy. *Nephrology Dialysis Transplantation*, **2013**, 28, 1685-93	4.3	61
46	Intracellular complement activation sustains T cell homeostasis and mediates effector differentiation. *Immunity*, **2013**, 39, 1143-57	32.3	309
45	Essential role of surface-bound complement factor H in controlling immune complex-induced arthritis. *Journal of Immunology*, **2013**, 190, 3560-9	5.3	19

44	Complement alternative pathway genetic variation and Dengue infection in the Thai population. *Clinical and Experimental Immunology*, **2013**, 174, 326-34	6.2	3
43	C3 glomerulopathy: consensus report. *Kidney International*, **2013**, 84, 1079-89	9.9	398
42	Dimerization of complement factor H-related proteins modulates complement activation in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 4685-90	11.5	195
41	C3 glomerulopathy-associated CFHR1 mutation alters FHR oligomerization and complement regulation. *Journal of Clinical Investigation*, **2013**, 123, 2434-46	15.9	148
40	Phagocytosis is the main CR3-mediated function affected by the lupus-associated variant of CD11b in human myeloid cells. *PLoS ONE*, **2013**, 8, e57082	3.7	54
39	Detection of complement activation using monoclonal antibodies against C3d. *Journal of Clinical Investigation*, **2013**, 123, 2218-30	15.9	60
38	Acute presentation and persistent glomerulonephritis following streptococcal infection in a patient with heterozygous complement factor H-related protein 5 deficiency. *American Journal of Kidney Diseases*, **2012**, 60, 121-5	7.4	74
37	Relationship between complotype and reported severity of systemic allergic reactions to peanut. *Journal of Allergy and Clinical Immunology*, **2012**, 129, 1398-1401.e3	11.5	5
36	Painful myositis in the anti-synthetase syndrome with anti-PL12 antibodies. *Rheumatology International*, **2012**, 32, 825-7	3.6	1
35	Design and evaluation of meningococcal vaccines through structure-based modification of host and pathogen molecules. *PLoS Pathogens*, **2012**, 8, e1002981	7.6	48
34	Atypical hemolytic uremic syndrome and genetic aberrations in the complement factor H-related 5 gene. *Journal of Human Genetics*, **2012**, 57, 459-64	4.3	32
33	Detection of glomerular complement C3 fragments by magnetic resonance imaging in murine lupus nephritis. *Kidney International*, **2012**, 81, 152-9	9.9	38
32	A hybrid CFHR3-1 gene causes familial C3 glomerulopathy. *Journal of the American Society of Nephrology: JASN*, **2012**, 23, 1155-60	12.7	112
31	Complement and glomerular disease: new insights. *Current Opinion in Nephrology and Hypertension*, **2011**, 20, 271-7	3.5	62
30	Dense deposit disease. *Molecular Immunology*, **2011**, 48, 1604-10	4.3	70
29	The development of atypical hemolytic uremic syndrome depends on complement C5. *Journal of the American Society of Nephrology: JASN*, **2011**, 22, 137-45	12.7	89
28	Experimental models of membranoproliferative glomerulonephritis, including dense deposit disease. *Contributions To Nephrology*, **2011**, 169, 198-210	1.6	7
27	Regulating complement in the kidney: insights from CFHR5 nephropathy. *DMM Disease Models and Mechanisms*, **2011**, 4, 721-6	4.1	21

26	Binding of factor H to tubular epithelial cells limits interstitial complement activation in ischemic injury. *Kidney International*, **2011**, 80, 165-73	9.9	42
25	Atypical hemolytic uremic syndrome: telling the difference between H and Y. *Kidney International*, **2010**, 78, 721-3	9.9	7
24	Are anti-C1q antibodies different from other SLE autoantibodies?. *Nature Reviews Rheumatology*, **2010**, 6, 490-3	8.1	41
23	SLE with C1q deficiency treated with fresh frozen plasma: a 10-year experience. *Rheumatology*, **2010**, 49, 823-4	3.9	44
22	Treatment with human complement factor H rapidly reverses renal complement deposition in factor H-deficient mice. *Kidney International*, **2010**, 78, 279-86	9.9	67
21	C3 glomerulopathy: a new classification. *Nature Reviews Nephrology*, **2010**, 6, 494-9	14.9	265
20	Identification of a mutation in complement factor H-related protein 5 in patients of Cypriot origin with glomerulonephritis. *Lancet, The*, **2010**, 376, 794-801	40	258
19	Lateral medullary syndrome with anti-neuronal antibodies (anti-Ta/Ma2) in primary Sjogrens syndrome. *Rheumatology*, **2009**, 48, 1174-6	3.9	3
18	P2X7 deficiency attenuates renal injury in experimental glomerulonephritis. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 1275-81	12.7	95
17	Crry deficiency in complement sufficient mice: C3 consumption occurs without associated renal injury. *Molecular Immunology*, **2009**, 46, 803-11	4.3	21
16	Factor H facilitates the clearance of GBM bound iC3b by controlling C3 activation in fluid phase. *Molecular Immunology*, **2009**, 46, 1942-50	4.3	37
15	Complement in human diseases: Lessons from complement deficiencies. *Molecular Immunology*, **2009**, 46, 2774-83	4.3	216
14	Decay-accelerating factor suppresses complement C3 activation and retards atherosclerosis in low-density lipoprotein receptor-deficient mice. *American Journal of Pathology*, **2009**, 175, 1757-67	5.8	36
13	Translational mini-review series on complement factor H: renal diseases associated with complement factor H: novel insights from humans and animals. *Clinical and Experimental Immunology*, **2008**, 151, 210-30	6.2	134
12	Factor I is required for the development of membranoproliferative glomerulonephritis in factor H-deficient mice. *Journal of Clinical Investigation*, **2008**, 118, 608-18	15.9	99
11	New approaches to the treatment of dense deposit disease. *Journal of the American Society of Nephrology: JASN*, **2007**, 18, 2447-56	12.7	200
10	Complement factor H deficiency in aged mice causes retinal abnormalities and visual dysfunction. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 16651-6	11.5	169
9	Spontaneous hemolytic uremic syndrome triggered by complement factor H lacking surface recognition domains. *Journal of Experimental Medicine*, **2007**, 204, 1249-56	16.6	225

8	Prevention of C5 activation ameliorates spontaneous and experimental glomerulonephritis in factor H-deficient mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 9649-54	11.5	125
7	Genetic Manipulation **2006**, 563-589		
6	Complement factor h limits immune complex deposition and prevents inflammation and scarring in glomeruli of mice with chronic serum sickness. *Journal of the American Society of Nephrology: JASN*, **2005**, 16, 52-7	12.7	49
5	The follicular dendritic cell restricted epitope, FDC-M2, is complement C4; localization of immune complexes in mouse tissues. *European Journal of Immunology*, **2002**, 32, 1888-96	6.1	63
4	Uncontrolled C3 activation causes membranoproliferative glomerulonephritis in mice deficient in complement factor H. *Nature Genetics*, **2002**, 31, 424-8	36.3	397
3	Ultraviolet-radiation-induced keratinocyte apoptosis in C1q-deficient mice. *Journal of Investigative Dermatology*, **2001**, 117, 52-8	4.3	31
2	Continual low-level activation of the classical complement pathway. *Journal of Experimental Medicine*, **2001**, 194, 747-56	16.6	51
1	False-positive results obtained using the Mantoux test in Behçet's syndrome: comment on the article by García-Porrúa et al. *Arthritis and Rheumatism*, **2000**, 43, 2855-6		1