

# Marina Botto

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

84 papers	8,447 citations	42 h-index	91 g-index
93 ext. papers	9,577 ext. citations	12 avg, IF	5.4 L-index

#	Paper	IF	Citations
84	Homozygous C1q deficiency causes glomerulonephritis associated with multiple apoptotic bodies. <i>Nature Genetics</i> , <b>1998</b> , 19, 56-9	36.3	1234
83	A hierarchical role for classical pathway complement proteins in the clearance of apoptotic cells in vivo. <i>Journal of Experimental Medicine</i> , <b>2000</b> , 192, 359-66	16.6	619
82	Non-redundant role of the long pentraxin PTX3 in anti-fungal innate immune response. <i>Nature</i> , <b>2002</b> , 420, 182-6	50.4	550
81	Role of surfactant proteins A, D, and C1q in the clearance of apoptotic cells in vivo and in vitro: calreticulin and CD91 as a common collectin receptor complex. <i>Journal of Immunology</i> , <b>2002</b> , 169, 3978-86	5.3	443
80	The role of complement in the development of systemic lupus erythematosus. <i>Annual Review of Immunology</i> , <b>2004</b> , 22, 431-56	34.7	412
79	Uncontrolled C3 activation causes membranoproliferative glomerulonephritis in mice deficient in complement factor H. <i>Nature Genetics</i> , <b>2002</b> , 31, 424-8	36.3	397
78	C1q and systemic lupus erythematosus. <i>Immunobiology</i> , <b>1998</b> , 199, 265-85	3.4	320
77	Complement facilitates early prion pathogenesis. <i>Nature Medicine</i> , <b>2001</b> , 7, 488-92	50.5	272
76	Antibodies to human serum amyloid P component eliminate visceral amyloid deposits. <i>Nature</i> , <b>2010</b> , 468, 93-7	50.4	246
75	C1q, autoimmunity and apoptosis. <i>Immunobiology</i> , <b>2002</b> , 205, 395-406	3.4	221
74	Amyloid deposition is delayed in mice with targeted deletion of the serum amyloid P component gene. <i>Nature Medicine</i> , <b>1997</b> , 3, 855-9	50.5	211
73	C1q deficiency and autoimmunity: the effects of genetic background on disease expression. <i>Journal of Immunology</i> , <b>2002</b> , 168, 2538-43	5.3	195
72	Immunoglobulin M is required for protection against atherosclerosis in low-density lipoprotein receptor-deficient mice. <i>Circulation</i> , <b>2009</b> , 120, 417-26	16.7	188
71	Temporary depletion of complement component C3 or genetic deficiency of C1q significantly delays onset of scrapie. <i>Nature Medicine</i> , <b>2001</b> , 7, 485-7	50.5	183
70	Spontaneous autoimmunity in 129 and C57BL/6 mice-implications for autoimmunity described in gene-targeted mice. <i>PLoS Biology</i> , <b>2004</b> , 2, E243	9.7	159
69	Autophagy is activated in systemic lupus erythematosus and required for plasmablast development. <i>Annals of the Rheumatic Diseases</i> , <b>2015</b> , 74, 912-20	2.4	149
68	C1q acts in the tumour microenvironment as a cancer-promoting factor independently of complement activation. <i>Nature Communications</i> , <b>2016</b> , 7, 10346	17.4	142

67	Predominant role of IgM-dependent activation of the classical pathway in the clearance of dying cells by murine bone marrow-derived macrophages in vitro. <i>European Journal of Immunology</i> , <b>2005</b> , 35, 252-60	6.1	133
66	IL-10-producing regulatory B cells induced by IL-33 (Breg(IL-33)) effectively attenuate mucosal inflammatory responses in the gut. <i>Journal of Autoimmunity</i> , <b>2014</b> , 50, 107-22	15.5	130
65	Tissue-Restricted Adaptive Type 2 Immunity Is Orchestrated by Expression of the Costimulatory Molecule OX40L on Group 2 Innate Lymphoid Cells. <i>Immunity</i> , <b>2018</b> , 48, 1195-1207.e6	32.3	125
64	Integrin CD11b positively regulates TLR4-induced signalling pathways in dendritic cells but not in macrophages. <i>Nature Communications</i> , <b>2014</b> , 5, 3039	17.4	102
63	The inhibiting Fc receptor for IgG, FcRIIB, is a modifier of autoimmune susceptibility. <i>Journal of Immunology</i> , <b>2011</b> , 187, 1304-13	5.3	90
62	C1q restrains autoimmunity and viral infection by regulating CD8 T cell metabolism. <i>Science</i> , <b>2018</b> , 360, 558-563	33.3	87
61	C1q as a unique player in angiogenesis with therapeutic implication in wound healing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 4209-14	11.5	86
60	T cell-dependent immune response in C1q-deficient mice: defective interferon gamma production by antigen-specific T cells. <i>Journal of Experimental Medicine</i> , <b>1998</b> , 187, 1789-97	16.6	85
59	Reconstitution of the complement function in C1q-deficient (C1qa <sup>-/-</sup> ) mice with wild-type bone marrow cells. <i>Journal of Immunology</i> , <b>2001</b> , 167, 4033-7	5.3	84
58	C1q knock-out mice for the study of complement deficiency in autoimmune disease. <i>Experimental and Clinical Immunogenetics</i> , <b>1998</b> , 15, 231-4		84
57	Serum amyloid P aids complement-mediated immunity to <i>Streptococcus pneumoniae</i> . <i>PLoS Pathogens</i> , <b>2007</b> , 3, 1208-19	7.6	78
56	Accelerated nephrotoxic nephritis is exacerbated in C1q-deficient mice. <i>Journal of Immunology</i> , <b>2001</b> , 166, 6820-8	5.3	73
55	Mechanisms of complement activation by dextran-coated superparamagnetic iron oxide (SPIO) nanoworms in mouse versus human serum. <i>Particle and Fibre Toxicology</i> , <b>2014</b> , 11, 64	8.4	69
54	Tumor Cells Hijack Macrophage-Produced Complement C1q to Promote Tumor Growth. <i>Cancer Immunology Research</i> , <b>2019</b> , 7, 1091-1105	12.5	68
53	Complement C1q regulates LPS-induced cytokine production in bone marrow-derived dendritic cells. <i>European Journal of Immunology</i> , <b>2004</b> , 34, 221-30	6.1	65
52	Epithelial damage and tissue $\Gamma$ cells promote a unique tumor-protective IgE response. <i>Nature Immunology</i> , <b>2018</b> , 19, 859-870	19.1	64
51	A targeted disruption of the murine complement factor B gene resulting in loss of expression of three genes in close proximity, factor B, C2, and D17H6S45. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 1699-704	5.4	57
50	Genetic dissection of spontaneous autoimmunity driven by 129-derived chromosome 1 Loci when expressed on C57BL/6 mice. <i>Journal of Immunology</i> , <b>2007</b> , 178, 2352-60	5.3	55

49	Phagocytosis is the main CR3-mediated function affected by the lupus-associated variant of CD11b in human myeloid cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e57082	3.7	54
48	C3 opsonization regulates endocytic handling of apoptotic cells resulting in enhanced T-cell responses to cargo-derived antigens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 1503-8	11.5	53
47	C1q enhances IFN-gamma production by antigen-specific T cells via the CD40 costimulatory pathway on dendritic cells. <i>Blood</i> , <b>2009</b> , 113, 3485-93	2.2	52
46	Hyposialylated IgG activates endothelial IgG receptor FcRIIB to promote obesity-induced insulin resistance. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 309-322	15.9	52
45	Continual low-level activation of the classical complement pathway. <i>Journal of Experimental Medicine</i> , <b>2001</b> , 194, 747-56	16.6	51
44	SLE with C1q deficiency treated with fresh frozen plasma: a 10-year experience. <i>Rheumatology</i> , <b>2010</b> , 49, 823-4	3.9	44
43	Altered major histocompatibility complex class II peptide loading in H2-O-deficient mice. <i>European Journal of Immunology</i> , <b>2000</b> , 30, 2871-80	6.1	44
42	Complement C1q-induced activation of Eatenin signalling causes hypertensive arterial remodelling. <i>Nature Communications</i> , <b>2015</b> , 6, 6241	17.4	40
41	The alternative pathway is critical for pathogenic complement activation in endotoxin- and diet-induced atherosclerosis in low-density lipoprotein receptor-deficient mice. <i>Circulation</i> , <b>2010</b> , 122, 1948-56	16.7	40
40	Restoration of C1q levels by bone marrow transplantation attenuates autoimmune disease associated with C1q deficiency in mice. <i>European Journal of Immunology</i> , <b>2004</b> , 34, 3713-22	6.1	40
39	Decay-accelerating factor suppresses complement C3 activation and retards atherosclerosis in low-density lipoprotein receptor-deficient mice. <i>American Journal of Pathology</i> , <b>2009</b> , 175, 1757-67	5.8	36
38	The paradoxical roles of C1q and C3 in autoimmunity. <i>Immunobiology</i> , <b>2016</b> , 221, 719-25	3.4	33
37	Ultraviolet-radiation-induced keratinocyte apoptosis in C1q-deficient mice. <i>Journal of Investigative Dermatology</i> , <b>2001</b> , 117, 52-8	4.3	31
36	B cell OX40L supports T follicular helper cell development and contributes to SLE pathogenesis. <i>Annals of the Rheumatic Diseases</i> , <b>2017</b> , 76, 2095-2103	2.4	29
35	Multi-functional mechanisms of immune evasion by the streptococcal complement inhibitor C5a peptidase. <i>PLoS Pathogens</i> , <b>2017</b> , 13, e1006493	7.6	29
34	Increased positive selection of B1 cells and reduced B cell tolerance to intracellular antigens in c1q-deficient mice. <i>Journal of Immunology</i> , <b>2007</b> , 178, 2916-22	5.3	26
33	Triglyceride-Rich Lipoproteins Modulate the Distribution and Extravasation of Ly6C/Gr1(low) Monocytes. <i>Cell Reports</i> , <b>2015</b> , 12, 1802-15	10.6	24
32	Mice lacking C1q or C3 show accelerated rejection of minor H disparate skin grafts and resistance to induction of tolerance. <i>European Journal of Immunology</i> , <b>2010</b> , 40, 1758-67	6.1	24

31	Intact B cell tolerance in the absence of the first component of the classical complement pathway. <i>European Journal of Immunology</i> , <b>2001</b> , 31, 2087-93	6.1	24
30	Cloning of the mouse homolog of the 126-kDa human C1q/MBL/SP-A receptor, C1qR(p). <i>Mammalian Genome</i> , <b>1999</b> , 10, 789-93	3.2	20
29	Monocytosis and accelerated activation of lymphocytes in C1q-deficient autoimmune-prone mice. <i>Immunology</i> , <b>2004</b> , 113, 80-8	7.8	17
28	Longitudinal proteomic profiling of dialysis patients with COVID-19 reveals markers of severity and predictors of death. <i>ELife</i> , <b>2021</b> , 10,	8.9	17
27	Distinct roles for complement in glomerulonephritis and atherosclerosis revealed in mice with a combination of lupus and hyperlipidemia. <i>Arthritis and Rheumatism</i> , <b>2012</b> , 64, 2707-18		16
26	CD55 deposited on synovial collagen fibers protects from immune complex-mediated arthritis. <i>Arthritis Research and Therapy</i> , <b>2015</b> , 17, 6	5.7	15
25	Bacillus anthracis Spore Surface Protein BclA Mediates Complement Factor H Binding to Spores and Promotes Spore Persistence. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005678	7.6	15
24	C1q Modulates the Response to TLR7 Stimulation by Pristane-Primed Macrophages: Implications for Pristane-Induced Lupus. <i>Journal of Immunology</i> , <b>2016</b> , 196, 1488-94	5.3	13
23	C1q enhances cone photoreceptor survival in a mouse model of autosomal recessive retinitis pigmentosa. <i>European Journal of Human Genetics</i> , <b>2012</b> , 20, 64-8	5.3	13
22	CD93 regulates central nervous system inflammation in two mouse models of autoimmune encephalomyelitis. <i>Immunology</i> , <b>2018</b> , 155, 346-355	7.8	12
21	Human Factor H Domains 6 and 7 Fused to IgG1 Fc Are Immunotherapeutic against. <i>Journal of Immunology</i> , <b>2018</b> , 201, 2700-2709	5.3	12
20	Complement C3 Exacerbates Imiquimod-Induced Skin Inflammation and Psoriasisiform Dermatitis. <i>Journal of Investigative Dermatology</i> , <b>2017</b> , 137, 760-763	4.3	11
19	Identification and characterization of a lupus suppressor 129 locus on chromosome 3. <i>Journal of Immunology</i> , <b>2010</b> , 184, 6256-65	5.3	11
18	C1q deficiency promotes the production of transgenic-derived IgM and IgG3 autoantibodies in anti-DNA knock-in transgenic mice. <i>Molecular Immunology</i> , <b>2008</b> , 45, 787-95	4.3	11
17	PD-1 blockade improves Kupffer cell bacterial clearance in acute liver injury. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	10
16	Altered expression of signalling lymphocyte activation molecule receptors in T-cells from lupus nephritis patients-a potential biomarker of disease activity. <i>Rheumatology</i> , <b>2017</b> , 56, 1206-1216	3.9	8
15	Type I interferons affect the metabolic fitness of CD8 T cells from patients with systemic lupus erythematosus. <i>Nature Communications</i> , <b>2021</b> , 12, 1980	17.4	8
14	Reversible CD8 T cell-neuron cross-talk causes aging-dependent neuronal regenerative decline.. <i>Science</i> , <b>2022</b> , 376, eabd5926	33.3	5

13	Effect of irradiation/bone marrow transplantation on alveolar epithelial type II cells is aggravated in surfactant protein D deficient mice. <i>Histochemistry and Cell Biology</i> , <b>2017</b> , 147, 49-61	2.4	4
12	Complement receptor 3 mediates renal protection in experimental C3 glomerulopathy. <i>Kidney International</i> , <b>2016</b> , 89, 823-32	9.9	4
11	Efficient clearance of opsonised apoptotic cells in the absence of PECAM-1. <i>Molecular Immunology</i> , <b>2007</b> , 44, 1135-40	4.3	4
10	Th1 responses in vivo require cell-specific provision of OX40L dictated by environmental cues. <i>Nature Communications</i> , <b>2020</b> , 11, 3421	17.4	4
9	Microbial-driven preterm labour involves crosstalk between the innate and adaptive immune response.. <i>Nature Communications</i> , <b>2022</b> , 13, 975	17.4	4
8	Intranasal peptide-induced tolerance and linked suppression: consequences of complement deficiency. <i>Immunology</i> , <b>2015</b> , 144, 149-57	7.8	3
7	C3 Drives Inflammatory Skin Carcinogenesis Independently of C5. <i>Journal of Investigative Dermatology</i> , <b>2021</b> , 141, 404-414.e6	4.3	3
6	Serum amyloid P component is an essential element of resistance against <i>Aspergillus fumigatus</i> . <i>Nature Communications</i> , <b>2021</b> , 12, 3739	17.4	2
5	A1.69 C1Q is absolutely required for disease development in experimental arthritis. <i>Annals of the Rheumatic Diseases</i> , <b>2014</b> , 73, A30.1-A30	2.4	
4	Genetic Manipulation <b>2006</b> , 563-589		
3	The Studies in Various Murine Strains with Defects in Activation of Complement Cascade (CC) Reveal Both Pivotal and Pleiotropic Role of CC in Mobilization of Hematopoietic Stem/Progenitor Cells.. <i>Blood</i> , <b>2007</b> , 110, 774-774	2.2	
2	Accelerated Atherosclerosis in Low Density Lipoprotein Receptor Deficient Mice Lacking the Membrane Complement Regulator CD59. <i>FASEB Journal</i> , <b>2008</b> , 22, 902.1	0.9	
1	Decay-Accelerating Factor plays a critical atheroprotective role in Low Density Lipoprotein deficient (ldlr <sup>-/-</sup> ) mice. <i>FASEB Journal</i> , <b>2008</b> , 22, 902.2	0.9	