Marina Botto

List of Publications by Year in Descending Order

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	Microbial-driven preterm labour involves crosstalk between the innate and adaptive immune response.. *Nature Communications*, **2022**, 13, 975	17.4	4
83	Reversible CD8 T cell-neuron cross-talk causes aging-dependent neuronal regenerative decline.. *Science*, **2022**, 376, eabd5926	33.3	5
82	Longitudinal proteomic profiling of dialysis patients with COVID-19 reveals markers of severity and predictors of death. *ELife*, **2021**, 10,	8.9	17
81	Serum amyloid P component is an essential element of resistance against Aspergillus fumigatus. *Nature Communications*, **2021**, 12, 3739	17.4	2
80	C3 Drives Inflammatory Skin Carcinogenesis Independently of C5. *Journal of Investigative Dermatology*, **2021**, 141, 404-414.e6	4.3	3
79	PD-1 blockade improves Kupffer cell bacterial clearance in acute liver injury. *Journal of Clinical Investigation*, **2021**, 131,	15.9	10
78	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
77	Th1 responses in vivo require cell-specific provision of OX40L dictated by environmental cues. *Nature Communications*, **2020**, 11, 3421	17.4	4
76	Tumor Cells Hijack Macrophage-Produced Complement C1q to Promote Tumor Growth. *Cancer Immunology Research*, **2019**, 7, 1091-1105	12.5	68
75	C1q restrains autoimmunity and viral infection by regulating CD8 T cell metabolism. *Science*, **2018**, 360, 558-563	33.3	87
74	Epithelial damage and tissue γδ T cells promote a unique tumor-protective IgE response. *Nature Immunology*, **2018**, 19, 859-870	19.1	64
73	Tissue-Restricted Adaptive Type 2 Immunity Is Orchestrated by Expression of the Costimulatory Molecule OX40L on Group 2 Innate Lymphoid Cells. *Immunity*, **2018**, 48, 1195-1207.e6	32.3	125
72	CD93 regulates central nervous system inflammation in two mouse models of autoimmune encephalomyelitis. *Immunology*, **2018**, 155, 346-355	7.8	12
71	Hyposialylated IgG activates endothelial IgG receptor FcγRIIB to promote obesity-induced insulin resistance. *Journal of Clinical Investigation*, **2018**, 128, 309-322	15.9	52
70	Human Factor H Domains 6 and 7 Fused to IgG1 Fc Are Immunotherapeutic against. *Journal of Immunology*, **2018**, 201, 2700-2709	5.3	12
69	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
68	Effect of irradiation/bone marrow transplantation on alveolar epithelial type II cells is aggravated in surfactant protein D deficient mice. *Histochemistry and Cell Biology*, **2017**, 147, 49-61	2.4	4

67	Complement C3 Exacerbates Imiquimod-Induced Skin Inflammation and Psoriasiform Dermatitis. *Journal of Investigative Dermatology*, **2017**, 137, 760-763	4.3	11
66	B cell OX40L supports T follicular helper cell development and contributes to SLE pathogenesis. *Annals of the Rheumatic Diseases*, **2017**, 76, 2095-2103	2.4	29
65	Multi-functional mechanisms of immune evasion by the streptococcal complement inhibitor C5a peptidase. *PLoS Pathogens*, **2017**, 13, e1006493	7.6	29
64	The paradoxical roles of C1q and C3 in autoimmunity. *Immunobiology*, **2016**, 221, 719-25	3.4	33
63	C1q Modulates the Response to TLR7 Stimulation by Pristane-Primed Macrophages: Implications for Pristane-Induced Lupus. *Journal of Immunology*, **2016**, 196, 1488-94	5.3	13
62	C1q acts in the tumour microenvironment as a cancer-promoting factor independently of complement activation. *Nature Communications*, **2016**, 7, 10346	17.4	142
61	Complement receptor 3 mediates renal protection in experimental C3 glomerulopathy. *Kidney International*, **2016**, 89, 823-32	9.9	4
60	Bacillus anthracis Spore Surface Protein BclA Mediates Complement Factor H Binding to Spores and Promotes Spore Persistence. *PLoS Pathogens*, **2016**, 12, e1005678	7.6	15
59	CD55 deposited on synovial collagen fibers protects from immune complex-mediated arthritis. *Arthritis Research and Therapy*, **2015**, 17, 6	5.7	15
58	Complement C1q-induced activation of catenin signalling causes hypertensive arterial remodelling. *Nature Communications*, **2015**, 6, 6241	17.4	40
57	Triglyceride-Rich Lipoproteins Modulate the Distribution and Extravasation of Ly6C/Gr1(low) Monocytes. *Cell Reports*, **2015**, 12, 1802-15	10.6	24
56	Intranasal peptide-induced tolerance and linked suppression: consequences of complement deficiency. *Immunology*, **2015**, 144, 149-57	7.8	3
55	Autophagy is activated in systemic lupus erythematosus and required for plasmablast development. *Annals of the Rheumatic Diseases*, **2015**, 74, 912-20	2.4	149
54	IL-10-producing regulatory B cells induced by IL-33 (Breg(IL-33)) effectively attenuate mucosal inflammatory responses in the gut. *Journal of Autoimmunity*, **2014**, 50, 107-22	15.5	130
53	A1.69 C1Q is absolutely required for disease development in experimental arthritis. *Annals of the Rheumatic Diseases*, **2014**, 73, A30.1-A30	2.4	
52	C1q as a unique player in angiogenesis with therapeutic implication in wound healing. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 4209-14	11.5	86
51	Mechanisms of complement activation by dextran-coated superparamagnetic iron oxide (SPIO) nanoworms in mouse versus human serum. *Particle and Fibre Toxicology*, **2014**, 11, 64	8.4	69
50	C3 opsonization regulates endocytic handling of apoptotic cells resulting in enhanced T-cell responses to cargo-derived antigens. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 1503-8	11.5	53

49	Integrin CD11b positively regulates TLR4-induced signalling pathways in dendritic cells but not in macrophages. *Nature Communications*, **2014**, 5, 3039	17.4	102
48	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
47	Distinct roles for complement in glomerulonephritis and atherosclerosis revealed in mice with a combination of lupus and hyperlipidemia. *Arthritis and Rheumatism*, **2012**, 64, 2707-18		16
46	C1q enhances cone photoreceptor survival in a mouse model of autosomal recessive retinitis pigmentosa. *European Journal of Human Genetics*, **2012**, 20, 64-8	5.3	13
45	The inhibiting Fc receptor for IgG, FcRIIB, is a modifier of autoimmune susceptibility. *Journal of Immunology*, **2011**, 187, 1304-13	5.3	90
44	Antibodies to human serum amyloid P component eliminate visceral amyloid deposits. *Nature*, **2010**, 468, 93-7	50.4	246
43	Identification and characterization of a lupus suppressor 129 locus on chromosome 3. *Journal of Immunology*, **2010**, 184, 6256-65	5.3	11
42	The alternative pathway is critical for pathogenic complement activation in endotoxin- and diet-induced atherosclerosis in low-density lipoprotein receptor-deficient mice. *Circulation*, **2010**, 122, 1948-56	16.7	40
41	SLE with C1q deficiency treated with fresh frozen plasma: a 10-year experience. *Rheumatology*, **2010**, 49, 823-4	3.9	44
40	Mice lacking C1q or C3 show accelerated rejection of minor H disparate skin grafts and resistance to induction of tolerance. *European Journal of Immunology*, **2010**, 40, 1758-67	6.1	24
39	Immunoglobulin M is required for protection against atherosclerosis in low-density lipoprotein receptor-deficient mice. *Circulation*, **2009**, 120, 417-26	16.7	188
38	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
37	C1q enhances IFN-gamma production by antigen-specific T cells via the CD40 costimulatory pathway on dendritic cells. *Blood*, **2009**, 113, 3485-93	2.2	52
36	C1q deficiency promotes the production of transgenic-derived IgM and IgG3 autoantibodies in anti-DNA knock-in transgenic mice. *Molecular Immunology*, **2008**, 45, 787-95	4.3	11
35	Accelerated Atherosclerosis in Low Density Lipoprotein Receptor Deficient Mice Lacking the Membrane Complement Regulator CD59. *FASEB Journal*, **2008**, 22, 902.1	0.9	
34	Decay-Accelerating Factor plays a critical atheroprotective role in Low Density Lipoprotein deficient (ldlr□□mice. *FASEB Journal*, **2008**, 22, 902.2	0.9	
33	Genetic dissection of spontaneous autoimmunity driven by 129-derived chromosome 1 Loci when expressed on C57BL/6 mice. *Journal of Immunology*, **2007**, 178, 2352-60	5.3	55
32	Increased positive selection of B1 cells and reduced B cell tolerance to intracellular antigens in c1q-deficient mice. *Journal of Immunology*, **2007**, 178, 2916-22	5.3	26

31	Serum amyloid P aids complement-mediated immunity to Streptococcus pneumoniae. *PLoS Pathogens*, **2007**, 3, 1208-19	7.6	78
30	Efficient clearance of opsonised apoptotic cells in the absence of PECAM-1. *Molecular Immunology*, **2007**, 44, 1135-40	4.3	4
29	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.. *Blood*, **2007**, 110, 774-774	2.2	
28	Genetic Manipulation **2006**, 563-589		
27	Predominant role of IgM-dependent activation of the classical pathway in the clearance of dying cells by murine bone marrow-derived macrophages in vitro. *European Journal of Immunology*, **2005**, 35, 252-60	6.1	133
26	Spontaneous autoimmunity in 129 and C57BL/6 mice-implications for autoimmunity described in gene-targeted mice. *PLoS Biology*, **2004**, 2, E243	9.7	159
25	Monocytosis and accelerated activation of lymphocytes in C1q-deficient autoimmune-prone mice. *Immunology*, **2004**, 113, 80-8	7.8	17
24	Complement C1q regulates LPS-induced cytokine production in bone marrow-derived dendritic cells. *European Journal of Immunology*, **2004**, 34, 221-30	6.1	65
23	Restoration of C1q levels by bone marrow transplantation attenuates autoimmune disease associated with C1q deficiency in mice. *European Journal of Immunology*, **2004**, 34, 3713-22	6.1	40
22	The role of complement in the development of systemic lupus erythematosus. *Annual Review of Immunology*, **2004**, 22, 431-56	34.7	412
21	Non-redundant role of the long pentraxin PTX3 in anti-fungal innate immune response. *Nature*, **2002**, 420, 182-6	50.4	550
20	Uncontrolled C3 activation causes membranoproliferative glomerulonephritis in mice deficient in complement factor H. *Nature Genetics*, **2002**, 31, 424-8	36.3	397
19	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. *Journal of Immunology*, **2002**, 169, 3978-86	5.3	443
18	C1q deficiency and autoimmunity: the effects of genetic background on disease expression. *Journal of Immunology*, **2002**, 168, 2538-43	5.3	195
17	C1q, autoimmunity and apoptosis. *Immunobiology*, **2002**, 205, 395-406	3.4	221
16	Ultraviolet-radiation-induced keratinocyte apoptosis in C1q-deficient mice. *Journal of Investigative Dermatology*, **2001**, 117, 52-8	4.3	31
15	Intact B cell tolerance in the absence of the first component of the classical complement pathway. *European Journal of Immunology*, **2001**, 31, 2087-93	6.1	24
14	Temporary depletion of complement component C3 or genetic deficiency of C1q significantly delays onset of scrapie. *Nature Medicine*, **2001**, 7, 485-7	50.5	183

13	Complement facilitates early prion pathogenesis. *Nature Medicine*, **2001**, 7, 488-92	50.5	272
12	Accelerated nephrotoxic nephritis is exacerbated in C1q-deficient mice. *Journal of Immunology*, **2001**, 166, 6820-8	5.3	73
11	Continual low-level activation of the classical complement pathway. *Journal of Experimental Medicine*, **2001**, 194, 747-56	16.6	51
10	Reconstitution of the complement function in C1q-deficient (C1qa-/-) mice with wild-type bone marrow cells. *Journal of Immunology*, **2001**, 167, 4033-7	5.3	84
9	Altered major histocompatibility complex class II peptide loading in H2-O-deficient mice. *European Journal of Immunology*, **2000**, 30, 2871-80	6.1	44
8	A hierarchical role for classical pathway complement proteins in the clearance of apoptotic cells in vivo. *Journal of Experimental Medicine*, **2000**, 192, 359-66	16.6	619
7	Cloning of the mouse homolog of the 126-kDa human C1q/MBL/SP-A receptor, C1qR(p). *Mammalian Genome*, **1999**, 10, 789-93	3.2	20
6	Homozygous C1q deficiency causes glomerulonephritis associated with multiple apoptotic bodies. *Nature Genetics*, **1998**, 19, 56-9	36.3	1234
5	C1q and systemic lupus erythematosus. *Immunobiology*, **1998**, 199, 265-85	3.4	320
4	T cell-dependent immune response in C1q-deficient mice: defective interferon gamma production by antigen-specific T cells. *Journal of Experimental Medicine*, **1998**, 187, 1789-97	16.6	85
3	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. *Journal of Biological Chemistry*, **1998**, 273, 1699-704	5.4	57
2	C1q knock-out mice for the study of complement deficiency in autoimmune disease. *Experimental and Clinical Immunogenetics*, **1998**, 15, 231-4		84
1	Amyloid deposition is delayed in mice with targeted deletion of the serum amyloid P component gene. *Nature Medicine*, **1997**, 3, 855-9	50.5	211