

Christoph J Binder

List of Publications by Citations

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177
papers

14,706
citations

61
h-index

120
g-index

201
ext. papers

17,443
ext. citations

11
avg, IF

6.29
L-index

#	Paper	IF	Citations
177	Identification of oxidative stress and Toll-like receptor 4 signaling as a key pathway of acute lung injury. <i>Cell</i> , 2008 , 133, 235-49	56.2	965
176	Interleukin-4-dependent production of PPAR-gamma ligands in macrophages by 12/15-lipoxygenase. <i>Nature</i> , 1999 , 400, 378-82	50.4	754
175	Pneumococcal vaccination decreases atherosclerotic lesion formation: molecular mimicry between <i>Streptococcus pneumoniae</i> and oxidized LDL. <i>Nature Medicine</i> , 2003 , 9, 736-43	50.5	597
174	Innate and acquired immunity in atherogenesis. <i>Nature Medicine</i> , 2002 , 8, 1218-26	50.5	553
173	Oxidative damage in multiple sclerosis lesions. <i>Brain</i> , 2011 , 134, 1914-24	11.2	459
172	Differential inhibition of macrophage foam-cell formation and atherosclerosis in mice by PPARalpha, beta/delta, and gamma. <i>Journal of Clinical Investigation</i> , 2004 , 114, 1564-76	15.9	442
171	Oxidation-specific epitopes are danger-associated molecular patterns recognized by pattern recognition receptors of innate immunity. <i>Circulation Research</i> , 2011 , 108, 235-48	15.7	440
170	C-reactive protein binds to both oxidized LDL and apoptotic cells through recognition of a common ligand: Phosphorylcholine of oxidized phospholipids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 13043-8	11.5	414
169	Complement factor H binds malondialdehyde epitopes and protects from oxidative stress. <i>Nature</i> , 2011 , 478, 76-81	50.4	386
168	Generation and biological activities of oxidized phospholipids. <i>Antioxidants and Redox Signaling</i> , 2010 , 12, 1009-59	8.4	372
167	Oxidation-specific epitopes are dominant targets of innate natural antibodies in mice and humans. <i>Journal of Clinical Investigation</i> , 2009 , 119, 1335-49	15.9	332
166	B lymphocytes trigger monocyte mobilization and impair heart function after acute myocardial infarction. <i>Nature Medicine</i> , 2013 , 19, 1273-80	50.5	313
165	B cell depletion reduces the development of atherosclerosis in mice. <i>Journal of Experimental Medicine</i> , 2010 , 207, 1579-87	16.6	306
164	IL-5 links adaptive and natural immunity specific for epitopes of oxidized LDL and protects from atherosclerosis. <i>Journal of Clinical Investigation</i> , 2004 , 114, 427-437	15.9	304
163	Low-density lipoproteins cause atherosclerotic cardiovascular disease: pathophysiological, genetic, and therapeutic insights: a consensus statement from the European Atherosclerosis Society Consensus Panel. <i>European Heart Journal</i> , 2020 , 41, 2313-2330	9.5	301
162	Minimally modified LDL binds to CD14, induces macrophage spreading via TLR4/MD-2, and inhibits phagocytosis of apoptotic cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 1561-8	5.4	299
161	Apoptotic cells with oxidation-specific epitopes are immunogenic and proinflammatory. <i>Journal of Experimental Medicine</i> , 2004 , 200, 1359-70	16.6	279

160	T-bet deficiency reduces atherosclerosis and alters plaque antigen-specific immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 1596-601	11.5	267
159	Auto-antigenic protein-DNA complexes stimulate plasmacytoid dendritic cells to promote atherosclerosis. <i>Circulation</i> , 2012 , 125, 1673-83	16.7	237
158	Oxidized phospholipids are proinflammatory and proatherogenic in hypercholesterolaemic mice. <i>Nature</i> , 2018 , 558, 301-306	50.4	227
157	A novel function of lipoprotein [a] as a preferential carrier of oxidized phospholipids in human plasma. <i>Journal of Lipid Research</i> , 2008 , 49, 2230-9	6.3	220
156	The role of natural antibodies in atherogenesis. <i>Journal of Lipid Research</i> , 2005 , 46, 1353-63	6.3	202
155	Disease-specific molecular events in cortical multiple sclerosis lesions. <i>Brain</i> , 2013 , 136, 1799-815	11.2	198
154	B cells and humoral immunity in atherosclerosis. <i>Circulation Research</i> , 2014 , 114, 1743-56	15.7	189
153	Innate sensing of oxidation-specific epitopes in health and disease. <i>Nature Reviews Immunology</i> , 2016 , 16, 485-97	36.5	186
152	CCL17-expressing dendritic cells drive atherosclerosis by restraining regulatory T cell homeostasis in mice. <i>Journal of Clinical Investigation</i> , 2011 , 121, 2898-910	15.9	183
151	Interleukin-13 protects from atherosclerosis and modulates plaque composition by skewing the macrophage phenotype. <i>EMBO Molecular Medicine</i> , 2012 , 4, 1072-86	12	172
150	IL-5 links adaptive and natural immunity specific for epitopes of oxidized LDL and protects from atherosclerosis. <i>Journal of Clinical Investigation</i> , 2004 , 114, 427-37	15.9	159
149	Sleep modulates haematopoiesis and protects against atherosclerosis. <i>Nature</i> , 2019 , 566, 383-387	50.4	149
148	Adaptive immunity in atherogenesis: new insights and therapeutic approaches. <i>Journal of Clinical Investigation</i> , 2013 , 123, 27-36	15.9	145
147	Oxidized low density lipoprotein and innate immune receptors. <i>Current Opinion in Lipidology</i> , 2003 , 14, 437-45	4.4	138
146	Naturally occurring auto-antibodies in homeostasis and disease. <i>Trends in Immunology</i> , 2009 , 30, 43-51	14.4	132
145	The innate immune response to products of phospholipid peroxidation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012 , 1818, 2465-75	3.8	120
144	Immunological responses to oxidized LDL. <i>Free Radical Biology and Medicine</i> , 2000 , 28, 1771-9	7.8	115
143	BAFF receptor deficiency reduces the development of atherosclerosis in mice--brief report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 1573-6	9.4	114

142	The role of innate immunity in atherogenesis. <i>Journal of Lipid Research</i> , 2009 , 50 Suppl, S388-93	6.3	112
141	Role of scavenger receptor A and CD36 in diet-induced nonalcoholic steatohepatitis in hyperlipidemic mice. <i>Gastroenterology</i> , 2010 , 138, 2477-86, 2486.e1-3	13.3	110
140	ApoE attenuates unresolvable inflammation by complex formation with activated C1q. <i>Nature Medicine</i> , 2019 , 25, 496-506	50.5	107
139	LDL receptor knock-out mice are a physiological model particularly vulnerable to study the onset of inflammation in non-alcoholic fatty liver disease. <i>PLoS ONE</i> , 2012 , 7, e30668	3.7	105
138	Natural antibodies and the autoimmunity of atherosclerosis. <i>Seminars in Immunopathology</i> , 2005 , 26, 385-404		97
137	The role of B cells in atherosclerosis. <i>Nature Reviews Cardiology</i> , 2019 , 16, 180-196	14.8	96
136	Overview of the current status of familial hypercholesterolaemia care in over 60 countries - The EAS Familial Hypercholesterolaemia Studies Collaboration (FHSC). <i>Atherosclerosis</i> , 2018 , 277, 234-255	3.1	93
135	Meta-Analysis of Leukocyte Diversity in Atherosclerotic Mouse Aortas. <i>Circulation Research</i> , 2020 , 127, 402-426	15.7	91
134	Mitochondria Are a Subset of Extracellular Vesicles Released by Activated Monocytes and Induce Type I IFN and TNF Responses in Endothelial Cells. <i>Circulation Research</i> , 2019 , 125, 43-52	15.7	89
133	Side-by-Side Comparison of Three Fully Automated SARS-CoV-2 Antibody Assays with a Focus on Specificity. <i>Clinical Chemistry</i> , 2020 , 66, 1405-1413	5.5	89
132	Oxidative tissue injury in multiple sclerosis is only partly reflected in experimental disease models. <i>Acta Neuropathologica</i> , 2014 , 128, 247-66	14.3	87
131	Glomerular overproduction of oxygen radicals in Mpv17 gene-inactivated mice causes podocyte foot process flattening and proteinuria: A model of steroid-resistant nephrosis sensitive to radical scavenger therapy. <i>American Journal of Pathology</i> , 1999 , 154, 1067-75	5.8	86
130	Internalization of modified lipids by CD36 and SR-A leads to hepatic inflammation and lysosomal cholesterol storage in Kupffer cells. <i>PLoS ONE</i> , 2012 , 7, e34378	3.7	83
129	Circulating microparticles carry oxidation-specific epitopes and are recognized by natural IgM antibodies. <i>Journal of Lipid Research</i> , 2015 , 56, 440-8	6.3	80
128	Natural IgM antibodies against oxidation-specific epitopes. <i>Journal of Clinical Immunology</i> , 2010 , 30 Suppl 1, S56-60	5.7	78
127	Apolipoprotein M binds oxidized phospholipids and increases the antioxidant effect of HDL. <i>Atherosclerosis</i> , 2012 , 221, 91-7	3.1	76
126	Responsiveness of B cells is regulated by the hinge region of IgD. <i>Nature Immunology</i> , 2015 , 16, 534-43	19.1	74
125	A diet-induced hypercholesterolemic murine model to study atherogenesis without obesity and metabolic syndrome. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 878-85	9.4	73

124	Targeting B cells in atherosclerosis: closing the gap from bench to bedside. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 296-302	9.4	71
123	Gut microbiota regulate hepatic von Willebrand factor synthesis and arterial thrombus formation via Toll-like receptor-2. <i>Blood</i> , 2017 , 130, 542-553	2.2	70
122	Marginal zone B cells control the response of follicular helper T cells to a high-cholesterol diet. <i>Nature Medicine</i> , 2017 , 23, 601-610	50.5	69
121	Specific immunization strategies against oxidized low-density lipoprotein: a novel way to reduce nonalcoholic steatohepatitis in mice. <i>Hepatology</i> , 2012 , 56, 894-903	11.2	69
120	Type-2 innate lymphoid cells control the development of atherosclerosis in mice. <i>Nature Communications</i> , 2017 , 8, 15781	17.4	62
119	Trapping of oxidized LDL in lysosomes of Kupffer cells is a trigger for hepatic inflammation. <i>Liver International</i> , 2013 , 33, 1056-61	7.9	62
118	Malondialdehyde Epitopes as Targets of Immunity and the Implications for Atherosclerosis. <i>Advances in Immunology</i> , 2016 , 131, 1-59	5.6	62
117	Plasma interleukin-5 levels are related to antibodies binding to oxidized low-density lipoprotein and to decreased subclinical atherosclerosis. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 1370-8	15.1	61
116	Sialic Acid-Binding Immunoglobulin-like Lectin G Promotes Atherosclerosis and Liver Inflammation by Suppressing the Protective Functions of B-1 Cells. <i>Cell Reports</i> , 2016 , 14, 2348-61	10.6	49
115	Abrogated transforming growth factor beta receptor II (TGF β II) signalling in dendritic cells promotes immune reactivity of T cells resulting in enhanced atherosclerosis. <i>European Heart Journal</i> , 2013 , 34, 3717-27	9.5	49
114	Anti-Spike Protein Assays to Determine SARS-CoV-2 Antibody Levels: a Head-to-Head Comparison of Five Quantitative Assays. <i>Microbiology Spectrum</i> , 2021 , 9, e0024721	8.9	49
113	Coinhibitory suppression of T cell activation by CD40 protects against obesity and adipose tissue inflammation in mice. <i>Circulation</i> , 2014 , 129, 2414-25	16.7	48
112	Rare dyslipidaemias, from phenotype to genotype to management: a European Atherosclerosis Society task force consensus statement. <i>Lancet Diabetes and Endocrinology</i> , 2020 , 8, 50-67	18.1	48
111	Group X secreted phospholipase A2 limits the development of atherosclerosis in LDL receptor-null mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 466-73	9.4	47
110	Siglec-G regulates B1 cell survival and selection. <i>Journal of Immunology</i> , 2010 , 185, 3277-84	5.3	46
109	Malondialdehyde epitopes as mediators of sterile inflammation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 398-406	5	41
108	Increased Plasma IgE Accelerate Atherosclerosis in Secreted IgM Deficiency. <i>Circulation Research</i> , 2017 , 120, 78-84	15.7	40
107	Immunometabolism and atherosclerosis: perspectives and clinical significance: a position paper from the Working Group on Atherosclerosis and Vascular Biology of the European Society of Cardiology. <i>Cardiovascular Research</i> , 2019 , 115, 1385-1392	9.9	40

106	Oxidized low-density lipoprotein in inflammation-driven thrombosis. <i>Journal of Thrombosis and Haemostasis</i> , 2018 , 16, 418-428	15.4	40
105	Natural antibodies in murine atherosclerosis. <i>Current Drug Targets</i> , 2008 , 9, 190-5	3	40
104	B Cell-Activating Factor Neutralization Aggravates Atherosclerosis. <i>Circulation</i> , 2018 , 138, 2263-2273	16.7	39
103	Inhibition of arterial lesion progression in CD16-deficient mice: evidence for altered immunity and the role of IL-10. <i>Cardiovascular Research</i> , 2010 , 85, 224-31	9.9	39
102	Peptide mimotopes of malondialdehyde epitopes for clinical applications in cardiovascular disease. <i>Journal of Lipid Research</i> , 2012 , 53, 1316-26	6.3	38
101	4F Peptide reduces nascent atherosclerosis and induces natural antibody production in apolipoprotein E-null mice. <i>FASEB Journal</i> , 2011 , 25, 290-300	0.9	37
100	A neutralizing antibody against receptor for advanced glycation end products (RAGE) reduces atherosclerosis in uremic mice. <i>Atherosclerosis</i> , 2008 , 201, 274-80	3.1	37
99	Atheroprotective immunization with malondialdehyde-modified LDL is hapten specific and dependent on advanced MDA adducts: implications for development of an atheroprotective vaccine. <i>Journal of Lipid Research</i> , 2014 , 55, 2137-55	6.3	36
98	Naturally occurring IgM antibodies to oxidation-specific epitopes. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 750, 2-13	3.6	36
97	B-1 cell immunoglobulin directed against oxidation-specific epitopes. <i>Frontiers in Immunology</i> , 2012 , 3, 415	8.4	34
96	The immunomodulatory parasitic worm product ES-62 reduces lupus-associated accelerated atherosclerosis in a mouse model. <i>International Journal for Parasitology</i> , 2015 , 45, 203-7	4.3	32
95	The interferon stimulated gene 12 inactivates vasculoprotective functions of NR4A nuclear receptors. <i>Circulation Research</i> , 2012 , 110, e50-63	15.7	32
94	CD40L deficiency attenuates diet-induced adipose tissue inflammation by impairing immune cell accumulation and production of pathogenic IgG-antibodies. <i>PLoS ONE</i> , 2012 , 7, e33026	3.7	31
93	Germinal Center-Derived Antibodies Promote Atherosclerosis Plaque Size and Stability. <i>Circulation</i> , 2019 , 139, 2466-2482	16.7	28
92	Clinical validation of the Siemens quantitative SARS-CoV-2 spike IgG assay (sCOVG) reveals improved sensitivity and a good correlation with virus neutralization titers. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021 , 59, 1453-1462	5.9	28
91	Acute Loss of Apolipoprotein E Triggers an Autoimmune Response That Accelerates Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, e145-e158	9.4	27
90	Inhibition of the renin-angiotensin system abolishes the proatherogenic effect of uremia in apolipoprotein E-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 1080-6	9.4	27
89	Malondialdehyde epitopes are sterile mediators of hepatic inflammation in hypercholesterolemic mice. <i>Hepatology</i> , 2017 , 65, 1181-1195	11.2	26

88	Monocyte subset distribution in patients with stable atherosclerosis and elevated levels of lipoprotein(a). <i>Journal of Clinical Lipidology</i> , 2015 , 9, 533-41	4.9	26
87	Macrophage specific caspase-1/11 deficiency protects against cholesterol crystallization and hepatic inflammation in hyperlipidemic mice. <i>PLoS ONE</i> , 2013 , 8, e78792	3.7	26
86	Impaired Autophagy in CD11b Dendritic Cells Expands CD4 Regulatory T Cells and Limits Atherosclerosis in Mice. <i>Circulation Research</i> , 2019 , 125, 1019-1034	15.7	25
85	Secreted IgM deficiency leads to increased BCR signaling that results in abnormal splenic B cell development. <i>Scientific Reports</i> , 2017 , 7, 3540	4.9	23
84	Autoantibodies to OxLDL fail to alter the clearance of injected OxLDL in apolipoprotein E-deficient mice. <i>Journal of Lipid Research</i> , 2004 , 45, 1347-54	6.3	22
83	Angiotensin II synergizes with BAFF to promote atheroprotective regulatory B cells. <i>Scientific Reports</i> , 2017 , 7, 4111	4.9	21
82	Bbeta(15-42) protects against acid-induced acute lung injury and secondary pseudomonas pneumonia in vivo. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 180, 1208-17	10.2	21
81	The cytoskeletal regulator HEM1 governs B cell development and prevents autoimmunity. <i>Science Immunology</i> , 2020 , 5,	28	20
80	X-Box Binding Protein-1 Dependent Plasma Cell Responses Limit the Development of Atherosclerosis. <i>Circulation Research</i> , 2017 , 121, 270-281	15.7	19
79	High Levels of (Un)Switched Memory B Cells Are Associated With Better Outcome in Patients With Advanced Atherosclerotic Disease. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	19
78	WAVE1 mediates suppression of phagocytosis by phospholipid-derived DAMPs. <i>Journal of Clinical Investigation</i> , 2013 , 123, 3014-24	15.9	19
77	Deletion of IRF8 (Interferon Regulatory Factor 8)-Dependent Dendritic Cells Abrogates Proatherogenic Adaptive Immunity. <i>Circulation Research</i> , 2018 , 122, 813-820	15.7	17
76	A comprehensive antigen production and characterisation study for easy-to-implement, specific and quantitative SARS-CoV-2 serotests. <i>EBioMedicine</i> , 2021 , 67, 103348	8.8	17
75	S1P2/G12/13 Signaling Negatively Regulates Macrophage Activation and Indirectly Shapes the Atheroprotective B1-Cell Population. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 37-48	9.4	16
74	Impact of B-Cell-Targeted Therapies on Cardiovascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 1705-1714	9.4	16
73	The effects of vitamin E or lipoic acid supplementation on oxysterols in subjects with elevated oxidative stress: a randomized trial. <i>Scientific Reports</i> , 2017 , 7, 15288	4.9	16
72	Experimental immunotherapeutic approaches for atherosclerosis. <i>Clinical Immunology</i> , 2010 , 134, 66-79	9	16
71	Blood-derived macrophages prone to accumulate lysosomal lipids trigger oxLDL-dependent murine hepatic inflammation. <i>Scientific Reports</i> , 2017 , 7, 12550	4.9	15

70	Side by side comparison of three fully automated SARS-CoV-2 antibody assays with a focus on specificity		15
69	Low levels of IgM antibodies recognizing oxidation-specific epitopes are associated with human non-alcoholic fatty liver disease. <i>BMC Medicine</i> , 2016 , 14, 107	11.4	15
68	Atherosclerosis Susceptibility in Mice Is Independent of the V1 Immunoglobulin Heavy Chain Gene. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 25-36	9.4	14
67	Selective EGFR (Epidermal Growth Factor Receptor) Deletion in Myeloid Cells Limits Atherosclerosis-Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 114-119	9.4	14
66	Global perspective of familial hypercholesterolaemia: a cross-sectional study from the EAS Familial Hypercholesterolaemia Studies Collaboration (FHSC). <i>Lancet, The</i> , 2021 , 398, 1713-1725	4.0	14
65	FHR5 Binds to Laminins, Uses Separate C3b and Surface-Binding Sites, and Activates Complement on Malondialdehyde-Acetaldehyde Surfaces. <i>Journal of Immunology</i> , 2018 , 200, 2280-2290	5.3	13
64	B Cell FcγReceptor IIb Modulates Atherosclerosis in Male and Female Mice by Controlling Adaptive Germinal Center and Innate B-1-Cell Responses. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 1379-1389	9.4	12
63	Oxidation-specific epitopes are major targets of innate immunity in atherothrombosis. <i>Hamostaseologie</i> , 2016 , 36, 89-96	1.9	12
62	Obesity and Sex Affect the Immune Responses to Tick-Borne Encephalitis Booster Vaccination. <i>Frontiers in Immunology</i> , 2020 , 11, 860	8.4	11
61	Prevention of oxLDL uptake leads to decreased atherosclerosis in hematopoietic NPC1-deficient Ldlr mice. <i>Atherosclerosis</i> , 2016 , 255, 59-65	3.1	11
60	APRIL limits atherosclerosis by binding to heparan sulfate proteoglycans. <i>Nature</i> , 2021 , 597, 92-96	50.4	11
59	A genome-wide association study identifies key modulators of complement factor H binding to malondialdehyde-epitopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 9942-9951	11.5	10
58	Combined Effects of Inflammatory Status and Carotid Atherosclerosis: A 12-Year Follow-Up Study. <i>Stroke</i> , 2016 , 47, 2952-2958	6.7	10
57	IGHV1-69-encoded antibodies expressed in chronic lymphocytic leukemia react with malondialdehyde-acetaldehyde adduct, an immunodominant oxidation-specific epitope. <i>PLoS ONE</i> , 2013 , 8, e65203	3.7	10
56	Anti-Spike protein assays to determine post-vaccination antibody levels: a head-to-head comparison of five quantitative assays		10
55	Rituximab in Patients with Acute ST-elevation Myocardial Infarction (RITA-MI): an Experimental Medicine Safety Study. <i>Cardiovascular Research</i> , 2021 ,	9.9	10
54	Von Willebrand factor antigen levels predict major adverse cardiovascular events in patients with carotid stenosis of the ICARAS study. <i>Atherosclerosis</i> , 2019 , 290, 31-36	3.1	9
53	Is atherosclerosis an allergic disease?. <i>Circulation Research</i> , 2011 , 109, 1103-4	15.7	9

52	NR4A1 Deletion in Marginal Zone B Cells Exacerbates Atherosclerosis in Mice-Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 2598-2604	9.4	9
51	Extracellular vesicles are associated with C-reactive protein in sepsis. <i>Scientific Reports</i> , 2021 , 11, 6996	4.9	9
50	The prognostic value of serum amyloid A for long-term mortality among patients with subclinical carotid atherosclerosis. <i>European Journal of Clinical Investigation</i> , 2019 , 49, e13095	4.6	9
49	Carotid ultrasound investigation as a prognostic tool for patients with diabetes mellitus. <i>Cardiovascular Diabetology</i> , 2019 , 18, 90	8.7	8
48	Development and application of a nonradioactive binding assay of oxidized low-density lipoprotein to macrophage scavenger receptors. <i>Journal of Lipid Research</i> , 2013 , 54, 3206-14	6.3	8
47	Pneumococcal Polysaccharide Vaccination Elicits IgG Anti-A/B Blood Group Antibodies in Healthy Individuals and Patients with Type I Diabetes Mellitus. <i>Frontiers in Immunology</i> , 2016 , 7, 493	8.4	8
46	Effects of Nicorandil on Inflammation, Apoptosis and Atherosclerotic Plaque Progression. <i>Biomedicines</i> , 2021 , 9,	4.8	8
45	Pneumococcal Immunization Reduces Neurological and Hepatic Symptoms in a Mouse Model for Niemann-Pick Type C1 Disease. <i>Frontiers in Immunology</i> , 2018 , 9, 3089	8.4	7
44	B- and T-lymphocyte attenuator stimulation protects against atherosclerosis by regulating follicular B cells. <i>Cardiovascular Research</i> , 2020 , 116, 295-305	9.9	7
43	Surface Plasmon Resonance Analysis Shows an IgG-Isotype-Specific Defect in ABO Blood Group Antibody Formation in Patients with Common Variable Immunodeficiency. <i>Frontiers in Immunology</i> , 2015 , 6, 211	8.4	7
42	Oxidation-Specific Epitopes in Non-Alcoholic Fatty Liver Disease. <i>Frontiers in Endocrinology</i> , 2020 , 11, 607011	5.7	7
41	Natural IgM antibodies inhibit microvesicle-driven coagulation and thrombosis. <i>Blood</i> , 2021 , 137, 1406-1415	11.5	7
40	When monocytes come (too) close to our hearts. <i>Journal of the American College of Cardiology</i> , 2010 , 55, 1639-41	15.1	6
39	Associations of Interleukin-5 With Plaque Development and Cardiovascular Events. <i>JACC Basic To Translational Science</i> , 2019 , 4, 891-902	8.7	6
38	Spike Protein Antibodies Mediate the Apparent Correlation between SARS-CoV-2 Nucleocapsid Antibodies and Neutralization Test Results. <i>Microbiology Spectrum</i> , 2021 , 9, e0021821	8.9	6
37	The pro-inflammatory effect of uraemia overrules the anti-atherogenic potential of immunization with oxidized LDL in apoE ^{-/-} mice. <i>Nephrology Dialysis Transplantation</i> , 2010 , 25, 2486-91	4.3	5
36	Mitochondrial C5aR1 activity in macrophages controls IL-1 β production underlying sterile inflammation.. <i>Science Immunology</i> , 2021 , 6, eabf2489	28	5
35	The Effect of a 13-Valent Conjugate Pneumococcal Vaccine on Circulating Antibodies Against Oxidized LDL and Phosphorylcholine in Man, A Randomized Placebo-Controlled Clinical Trial. <i>Biology</i> , 2020 , 9,	4.9	5

34	Taking action: European Atherosclerosis Society targets the United Nations Sustainable Development Goals 2030 agenda to fight atherosclerotic cardiovascular disease in Europe. <i>Atherosclerosis</i> , 2021 , 322, 77-81	3.1	5
33	A comprehensive antigen production and characterization study for easy-to-implement, highly specific and quantitative SARS-CoV-2 antibody assays		5
32	Initial SARS-CoV-2 vaccination response can predict booster response for BNT162b2 but not for AZD1222. <i>International Journal of Infectious Diseases</i> , 2021 , 110, 309-313	10.5	5
31	A Comprehensive Analytical Strategy To Identify Malondialdehyde-Modified Proteins and Peptides. <i>Analytical Chemistry</i> , 2017 , 89, 3847-3852	7.8	4
30	Complement Factor H Modulates Splenic B Cell Development and Limits Autoantibody Production. <i>Frontiers in Immunology</i> , 2019 , 10, 1607	8.4	4
29	Lipid-lowering and anti-thrombotic therapy in patients with peripheral arterial disease. <i>Vasa - European Journal of Vascular Medicine</i> , 2021 , 50, 401-411	1.9	4
28	The sensitivity improved two-test algorithm β IT2 α universal optimization strategy for SARS-CoV-2 serology		4
27	The Influence of a Conjugated Pneumococcal Vaccination on Plasma Antibody Levels against Oxidized Low-Density Lipoprotein in Metabolic Disease Patients: A Single-Arm Pilot Clinical Trial. <i>Antioxidants</i> , 2021 , 10,	7.1	4
26	Serum antibody response to BNT162b2 after natural SARS-CoV-2 infection. <i>European Journal of Clinical Investigation</i> , 2021 , 51, e13632	4.6	4
25	Methods for the identification and characterization of extracellular vesicles in cardiovascular studies - from exosomes to microvesicles.. <i>Cardiovascular Research</i> , 2022 ,	9.9	4
24	Reply to "Humoral immunity and atherosclerosis". <i>Nature Medicine</i> , 2003 , 9, 244-245	50.5	3
23	Factor H-related protein 1 (FHR-1) is associated with atherosclerotic cardiovascular disease. <i>Scientific Reports</i> , 2021 , 11, 22511	4.9	3
22	CD1d Selectively Down Regulates the Expression of the Oxidized Phospholipid-Specific E06 IgM Natural Antibody in Mice. <i>Antibodies</i> , 2020 , 9,	7	3
21	Ikk2-mediated inflammatory activation of arterial endothelial cells promotes the development and progression of atherosclerosis. <i>Atherosclerosis</i> , 2020 , 307, 21-31	3.1	3
20	Pharmacological inhibition of fatty acid oxidation reduces atherosclerosis progression by suppression of macrophage NLRP3 inflammasome activation. <i>Biochemical Pharmacology</i> , 2021 , 190, 114634	6.34	3
19	Humoral immunity in atherosclerosis and myocardial infarction: from B cells to antibodies. <i>Cardiovascular Research</i> , 2021 , 117, 2544-2562	9.9	3
18	SIRP α on Mouse B1 Cells Restricts Lymphoid Tissue Migration and Natural Antibody Production. <i>Frontiers in Immunology</i> , 2020 , 11, 570963	8.4	2
17	Hematopoietic expression of a chimeric murine-human CALR oncoprotein allows the assessment of anti-CALR antibody immunotherapies in vivo. <i>American Journal of Hematology</i> , 2021 , 96, 698-707	7.1	2

16	Clinical validation of the quantitative Siemens SARS-CoV-2 spike IgG assay (sCOVG) reveals improved sensitivity and a good correlation with virus neutralization titers		2
15	The Comparability of Anti-Spike SARS-CoV-2 Antibody Tests is Time-Dependent: a Prospective Observational Study.. <i>Microbiology Spectrum</i> , 2022 , 10, e0140221	8.9	2
14	The why and how of adaptive immune responses in ischemic cardiovascular disease		2
13	Characterization of Natural IgM Antibodies Recognizing Oxidation-Specific Epitopes on Circulating Microvesicles. <i>Methods in Molecular Biology</i> , 2017 , 1643, 147-154	1.4	1
12	Red Blood Cell Derived Microparticles Are Thrombogenic in Mouse Models of Atherosclerosis.. <i>Blood</i> , 2007 , 110, 3624-3624	2.2	1
11	Stimulation of the PD-1 Pathway Decreases Atherosclerotic Lesion Development in Ldlr Deficient Mice. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 740531	5.4	1
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9	Impact of Specific -Glycan Modifications on the Use of Plant-Produced SARS-CoV-2 Antigens in Serological Assays. <i>Frontiers in Plant Science</i> , 2021 , 12, 747500	6.2	1
8	Tim-1 mucin domain-mutant mice display exacerbated atherosclerosis. <i>Atherosclerosis</i> , 2022 , 352, 1-9	3.1	1
7	Anti-inflammatory and Immunomodulatory Therapies in Atherosclerosis. <i>Handbook of Experimental Pharmacology</i> , 2021 , 359	3.2	0
6	Lipid-lowering and anti-thrombotic therapy in patients with peripheral arterial disease: European Atherosclerosis Society/European Society of Vascular Medicine Joint Statement. <i>Atherosclerosis</i> , 2021 , 338, 55-63	3.1	0
5	SERUM LEVELS OF ANTIBODIES AGAINST OXIDATION-SPECIFIC EPITOPES ARE DECREASED IN PATIENTS WITH RETINAL VEIN OCCLUSION. <i>Retina</i> , 2021 , 41, 1193-1201	3.6	0
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2	Natural Antibodies and Atherosclerosis 2012 , 289-304		
1	Formation of atherosclerotic lesions is independent of eosinophils in male mice. <i>Atherosclerosis</i> , 2020 , 311, 67-72	3.1	