

# Cesar Martin

## 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

1,716  
citations

23  
h-index

39  
g-index

100  
ext. papers

2,385  
ext. citations

4.7  
avg, IF

4.71  
L-index

#	Paper	IF	Citations
84	Pathophysiology of Type 2 Diabetes Mellitus. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	222
83	Protective effect of estrogens and catecholestrogens against peroxidative membrane damage in vitro. <i>Lipids</i> , <b>1995</b> , 30, 141-6	1.6	139
82	Antioxidant activities of estrogens against aqueous and lipophilic radicals; differences between phenol and catechol estrogens. <i>Chemistry and Physics of Lipids</i> , <b>2000</b> , 105, 179-88	3.7	112
81	tert-Butyl hydroperoxide-induced lipid signaling in hepatocytes: involvement of glutathione and free radicals. <i>Biochemical Pharmacology</i> , <b>2001</b> , 62, 705-12	6	89
80	Effects of estrogens on the redox chemistry of iron: a possible mechanism of the antioxidant action of estrogens. <i>Steroids</i> , <b>1995</b> , 60, 780-3	2.8	61
79	Novel functional APOB mutations outside LDL-binding region causing familial hypercholesterolaemia. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 1817-28	5.6	58
78	Membrane restructuring by Bordetella pertussis adenylate cyclase toxin, a member of the RTX toxin family. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 3760-5	3.5	58
77	The p.Leu167del Mutation in APOE Gene Causes Autosomal Dominant Hypercholesterolemia by Down-regulation of LDL Receptor Expression in Hepatocytes. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2016</b> , 101, 2113-21	5.6	54
76	Gs $\alpha$ activity is reduced in erythrocyte membranes of patients with psedohypoparathyroidism due to epigenetic alterations at the GNAS locus. <i>Journal of Bone and Mineral Research</i> , <b>2011</b> , 26, 1864-70	6.3	44
75	PCSK9 and lipoprotein (a) levels are two predictors of coronary artery calcification in asymptomatic patients with familial hypercholesterolemia. <i>Atherosclerosis</i> , <b>2016</b> , 254, 249-253	3.1	42
74	Site-specific -glycosylation of members of the low-density lipoprotein receptor superfamily enhances ligand interactions. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 7408-7422	5.4	38
73	Familial Hypercholesterolemia: The Most Frequent Cholesterol Metabolism Disorder Caused Disease. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	36
72	Functional characterization and classification of frequent low-density lipoprotein receptor variants. <i>Human Mutation</i> , <b>2015</b> , 36, 129-41	4.7	35
71	Functional Analysis of LDLR (Low-Density Lipoprotein Receptor) Variants in Patient Lymphocytes to Assess the Effect of Evinacumab in Homozygous Familial Hypercholesterolemia Patients With a Spectrum of LDLR Activity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 2248-2260	9.4	33
70	Functional characterization of splicing and ligand-binding domain variants in the LDL receptor. <i>Human Mutation</i> , <b>2012</b> , 33, 232-43	4.7	33
69	Membrane Repair Mechanisms against Permeabilization by Pore-Forming Toxins. <i>Toxins</i> , <b>2018</b> , 10,	4.9	31
68	Advantages and versatility of fluorescence-based methodology to characterize the functionality of LDLR and class mutation assignment. <i>PLoS ONE</i> , <b>2014</b> , 9, e112677	3.7	29

67	SUMOylation regulates LKB1 localization and its oncogenic activity in liver cancer. <i>EBioMedicine</i> , <b>2019</b> , 40, 406-421	8.8	29
66	Structural analysis of APOB variants, p.(Arg3527Gln), p.(Arg1164Thr) and p.(Gln4494del), causing Familial Hypercholesterolaemia provides novel insights into variant pathogenicity. <i>Scientific Reports</i> , <b>2015</b> , 5, 18184	4.9	28
65	The importance of an integrated analysis of clinical, molecular, and functional data for the genetic diagnosis of familial hypercholesterolemia. <i>Genetics in Medicine</i> , <b>2015</b> , 17, 980-8	8.1	27
64	Characterization of the first PCSK9 gain of function homozygote. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 66, 2152-2154	15.1	27
63	Identification and in vitro characterization of two new PCSK9 Gain of Function variants found in patients with Familial Hypercholesterolemia. <i>Scientific Reports</i> , <b>2017</b> , 7, 15282	4.9	24
62	An atlas of O-linked glycosylation on peptide hormones reveals diverse biological roles. <i>Nature Communications</i> , <b>2020</b> , 11, 4033	17.4	24
61	Validation of LDLr Activity as a Tool to Improve Genetic Diagnosis of Familial Hypercholesterolemia: A Retrospective on Functional Characterization of LDLr Variants. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	22
60	Activity-associated effect of LDL receptor missense variants located in the cysteine-rich repeats. <i>Atherosclerosis</i> , <b>2015</b> , 238, 304-12	3.1	18
59	Phospholipase A activity of adenylate cyclase toxin mediates translocation of its adenylate cyclase domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E6784-E6793	11.5	18
58	Pb(II) Induces Scramblase Activation and Ceramide-Domain Generation in Red Blood Cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 7456	4.9	17
57	Bordetella adenylate cyclase toxin promotes calcium entry into both CD11b+ and CD11b- cells through cAMP-dependent L-type-like calcium channels. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 357-64	5.4	17
56	17beta-estradiol affects in vivo the low density lipoprotein composition, particle size, and oxidizability. <i>Free Radical Biology and Medicine</i> , <b>2001</b> , 31, 391-7	7.8	17
55	Membrane Permeabilization by Pore-Forming RTX Toxins: What Kind of Lesions Do These Toxins Form?. <i>Toxins</i> , <b>2019</b> , 11,	4.9	16
54	Statin Treatment-Induced Development of Type 2 Diabetes: From Clinical Evidence to Mechanistic Insights. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	16
53	Types of female drinkers: a multivariate study. <i>Journal of Studies on Alcohol and Drugs</i> , <b>1988</b> , 49, 273-80		16
52	Calpain-Mediated Processing of Adenylate Cyclase Toxin Generates a Cytosolic Soluble Catalytically Active N-Terminal Domain. <i>PLoS ONE</i> , <b>2013</b> , 8, e67648	3.7	15
51	Predicted pathogenic mutations in STAP1 are not associated with clinically defined familial hypercholesterolemia. <i>Atherosclerosis</i> , <b>2020</b> , 292, 143-151	3.1	15
50	Pathophysiology of Atherosclerosis.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	14

49	Lipoprotein metabolism in familial hypercholesterolemia. <i>Journal of Lipid Research</i> , <b>2021</b> , 62, 100062	6.3	13
48	Mutation type classification and pathogenicity assignment of sixteen missense variants located in the EGF-precursor homology domain of the LDLR. <i>Scientific Reports</i> , <b>2020</b> , 10, 1727	4.9	12
47	The Arg499His gain-of-function mutation in the C-terminal domain of PCSK9. <i>Atherosclerosis</i> , <b>2019</b> , 289, 162-172	3.1	12
46	Adenylate cyclase toxin promotes internalisation of integrins and raft components and decreases macrophage adhesion capacity. <i>PLoS ONE</i> , <b>2011</b> , 6, e17383	3.7	12
45	Further evidence of novel APOB mutations as a cause of familial hypercholesterolaemia. <i>Atherosclerosis</i> , <b>2018</b> , 277, 448-456	3.1	12
44	In vitro inhibition by estrogens of the oxidative modifications of human lipoproteins. <i>Journal of Physiology and Biochemistry</i> , <b>1998</b> , 54, 195-202	5	11
43	Lipid-lowering response in subjects with the p.(Leu167del) mutation in the APOE gene. <i>Atherosclerosis</i> , <b>2019</b> , 282, 143-147	3.1	10
42	The use of targeted exome sequencing in genetic diagnosis of young patients with severe hypercholesterolemia. <i>Scientific Reports</i> , <b>2016</b> , 6, 36823	4.9	9
41	Double-tailed lipid modification as a promising candidate for oligonucleotide delivery in mammalian cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2013</b> , 1830, 4872-84	4	9
40	Pro-oxidant and antioxidant potential of catecholestrogens against ferrylmyoglobin-induced oxidative stress. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2002</b> , 1583, 167-75	5	9
39	Liver osteopontin is required to prevent the progression of age-related nonalcoholic fatty liver disease. <i>Aging Cell</i> , <b>2020</b> , 19, e13183	9.9	8
38	Adenylate Cyclase Toxin promotes bacterial internalisation into non phagocytic cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 13774	4.9	8
37	Understanding the Mechanism of Translocation of Adenylate Cyclase Toxin across Biological Membranes. <i>Toxins</i> , <b>2017</b> , 9,	4.9	7
36	miR-27b Modulates Insulin Signaling in Hepatocytes by Regulating Insulin Receptor Expression. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	7
35	Structural changes induced by acidic pH in human apolipoprotein B-100. <i>Scientific Reports</i> , <b>2016</b> , 6, 36324.9	4.9	7
34	Membrane Permeabilization by Adenylate Cyclase Toxin Involves Pores of Tunable Size. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	6
33	Molecular mechanisms of lipotoxicity-induced pancreatic $\beta$ cell dysfunction. <i>International Review of Cell and Molecular Biology</i> , <b>2021</b> , 359, 357-402	6	6
32	Inhibition by estrogens of the oxidant-mediated mobilization of arachidonic acid in hepatocytes. <i>Journal of Physiology and Biochemistry</i> , <b>1998</b> , 54, 77-84	5	6

31	Lipid-modified oligonucleotide conjugates: Insights into gene silencing, interaction with model membranes and cellular uptake mechanisms. <i>Bioorganic and Medicinal Chemistry</i> , <b>2017</b> , 25, 175-186	3.4	5
30	Ca <sup>2+</sup> influx and tyrosine kinases trigger Bordetella adenylate cyclase toxin (ACT) endocytosis. Cell physiology and expression of the CD11b/CD18 integrin major determinants of the entry route. <i>PLoS ONE</i> , <b>2013</b> , 8, e74248	3.7	5
29	Human LDL structural diversity studied by IR spectroscopy. <i>PLoS ONE</i> , <b>2014</b> , 9, e92426	3.7	5
28	Cholesterol Efflux Efficiency of Reconstituted HDL Is Affected by Nanoparticle Lipid Composition. <i>Biomedicines</i> , <b>2020</b> , 8,	4.8	5
27	Analysis of LDLR variants from homozygous FH patients carrying multiple mutations in the LDLR gene. <i>Atherosclerosis</i> , <b>2017</b> , 263, 163-170	3.1	4
26	Mechanism of inhibition of microsomal lipid peroxidation by estrogens: possible interactions with the cytochrome P450-dependent monooxygenase system. <i>Biochemical Society Transactions</i> , <b>1995</b> , 23, 256S	5.1	4
25	Magnesium accumulation upon cyclin M4 silencing activates microsomal triglyceride transfer protein improving NASH. <i>Journal of Hepatology</i> , <b>2021</b> , 75, 34-45	13.4	4
24	A Systematic Approach to Assess the Activity and Classification of PCSK9 Variants.. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
23	The leucine stretch length of PCSK9 signal peptide and its role in development of autosomal dominant hypercholesterolaemia: Unravelling the activities of P.LEU23DEL and P.LEU22_LEU23DUP variants. <i>Atherosclerosis</i> , <b>2017</b> , 263, e37	3.1	3
22	Irreversible versus repairable membrane poration: differences in permeabilization elicited by Bordetella Adenylate Cyclase Toxin and its hemolysin domain in macrophages. <i>FEBS Journal</i> , <b>2020</b> , 287, 1798-1815	5.7	3
21	Novel PCSK9 (Proprotein Convertase Subtilisin Kexin Type 9) Variants in Patients With Familial Hypercholesterolemia From Cape Town. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 934-943	9.4	3
20	p.(Asp47Asn) and p.(Thr62Met): non deleterious LDL receptor missense variants functionally characterized in vitro. <i>Scientific Reports</i> , <b>2018</b> , 8, 16614	4.9	3
19	Characterization of the Intrinsic Phospholipase A1 Activity of Adenylate Cyclase Toxin. <i>Toxins</i> , <b>2018</b> , 10,	4.9	3
18	Lipoprotein(a) in hereditary hypercholesterolemia: Influence of the genetic cause, defective gene and type of mutation. <i>Atherosclerosis</i> , <b>2021</b> ,	3.1	3
17	Doxorubicin increases intracellular diacylglycerol by the mobilization of choline-enriched phospholipids in rat hepatocytes. <i>Annals of the New York Academy of Sciences</i> , <b>2002</b> , 973, 49-51	6.5	2
16	SR-B1, a Key Receptor Involved in the Progression of Cardiovascular Disease: A Perspective from Mice and Human Genetic Studies. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	2
15	Diagnostic yield of sequencing familial hypercholesterolemia genes in individuals with primary hypercholesterolemia. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2021</b> , 74, 664-673	0.7	2
14	LDLR variants functional characterization: Contribution to variant classification. <i>Atherosclerosis</i> , <b>2021</b> , 329, 14-21	3.1	2

13	Is Associated with Vulnerability of Carotid Atherosclerotic Plaque. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	1
12	Intracellular diacylglycerol accumulation induced by doxorubicin in rat hepatocytes: potential involvement of phospholipases C and D. <i>Annals of the New York Academy of Sciences</i> , <b>2002</b> , 973, 52-6	6.5	1
11	Rendimiento diagnóstico de la secuenciación de genes de hipercolesterolemia familiar en sujetos con hipercolesterolemia primaria. <i>Revista Española De Cardiología</i> , <b>2020</b> , 74, 664-664	1.5	1
10	(r)HDL in theranostics: how do we apply HDL's biology for precision medicine in atherosclerosis management?. <i>Biomaterials Science</i> , <b>2021</b> , 9, 3185-3208	7.4	1
9	Boosting Cholesterol Efflux from Foam Cells by Sequential Administration of rHDL to Deliver MicroRNA and to Remove Cholesterol in a Triple-Cell 2D Atherosclerosis Model.. <i>Small</i> , <b>2022</b> , e2105915	11	1
8	MLb-LDLr: A Machine Learning Model for Predicting the Pathogenicity of Missense Variants. <i>JACC Basic To Translational Science</i> , <b>2021</b> , 6, 815-827	8.7	0
7	Cholesterol stimulates the lytic activity of Adenylate Cyclase Toxin on lipid membranes by promoting toxin oligomerization and formation of pores with a greater effective size. <i>FEBS Journal</i> , <b>2021</b> , 288, 6795-6814	5.7	0
6	Leu22_Leu23 Duplication at the Signal Peptide of PCSK9 Promotes Intracellular Degradation of LDLr and Autosomal Dominant Hypercholesterolemia.. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2022</b> , 101161ATVBAHA122315499	9.4	0
5	Secretory phospholipase A2 is not involved in tert-butyl hydroperoxide-induced lipid signalling in rat hepatocytes. <i>Biochemical Society Transactions</i> , <b>2000</b> , 28, A282-A282	5.1	
4	Tert-butyl hydroperoxide-induced diacylglycerol accumulation in rat hepatocytes: role of phospholipases C and D. <i>Biochemical Society Transactions</i> , <b>2000</b> , 28, A282-A282	5.1	
3	Diethylstilbestrol antagonizes the oxidant-induced transformations of membrane phospholipids. <i>Biochemical Society Transactions</i> , <b>1998</b> , 26, S224	5.1	
2	Replacement of cysteine at position 46 in the first cysteine-rich repeat of the LDL receptor impairs apolipoprotein recognition. <i>PLoS ONE</i> , <b>2018</b> , 13, e0204771	3.7	
1	Familial hypercholesterolemia <b>2022</b> , 501-524		