

# Maria Borrell-Pages

## List of Publications by Year in descending order

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81  
papers

4,547  
citations

218677

26  
h-index

133252

59  
g-index

83  
all docs

83  
docs citations

83  
times ranked

5866  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Huntingtin Controls Neurotrophic Support and Survival of Neurons by Enhancing BDNF Vesicular Transport along Microtubules. <i>Cell</i> , 2004, 118, 127-138.  | 28.9 | 1,004     |
| 2  | Regression of atherosclerotic lesions by high density lipoprotein plasma fraction in the cholesterol-fed rabbit. <i>Journal of Clinical Investigation</i> , 1990, 85, 1234-1241.  | 8.2  | 691       |
| 3  | Thrombosis formation on atherosclerotic lesions and plaque rupture. <i>Journal of Internal Medicine</i> , 2014, 276, 618-632.   | 6.0  | 422       |
| 4  | Huntingtin phosphorylation acts as a molecular switch for anterograde/retrograde transport in neurons. <i>EMBO Journal</i> , 2008, 27, 2124-2134.   | 7.8  | 300       |
| 5  | TACE is required for the activation of the EGFR by TGF- $\beta$ in tumors. <i>EMBO Journal</i> , 2003, 22, 1114-1124.   | 7.8  | 261       |
| 6  | Cystamine and cysteamine increase brain levels of BDNF in Huntington disease via HS1b and transglutaminase. <i>Journal of Clinical Investigation</i> , 2006, 116, 1410-1424.  | 8.2  | 211       |
| 7  | Effects of moderate beer consumption on health and disease: A consensus document. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2016, 26, 443-467.   | 2.6  | 196       |
| 8  | LDL Receptor-Related Protein Mediates Uptake of Aggregated LDL in Human Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000, 20, 1572-1579.  | 2.4  | 122       |
| 9  | Monomeric C-reactive protein-a key molecule driving development of Alzheimer's disease associated with brain ischaemia?. <i>Scientific Reports</i> , 2015, 5, 13281.  | 3.3  | 93        |
| 10 | Wnt pathway activation, cell migration, and lipid uptake is regulated by low-density lipoprotein receptor-related protein 5 in human macrophages. <i>European Heart Journal</i> , 2011, 32, 2841-2850.                                | 2.2  | 78        |
| 11 | Matrix Metalloproteinase-13 is Activated and is found in the Nucleus of Neural Cells after Cerebral Ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 398-410.   | 4.3  | 61        |
| 12 | Esterified Cholesterol Accumulation Induced by Aggregated LDL Uptake in Human Vascular Smooth Muscle Cells Is Reduced by HMG-CoA Reductase Inhibitors. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 738-746. | 2.4  | 59        |
| 13 | Sterol Regulatory Element-binding Protein-2 Negatively Regulates Low Density Lipoprotein Receptor-related Protein Transcription. <i>Journal of Molecular Biology</i> , 2006, 359, 950-960.  | 4.2  | 58        |
| 14 | Sterol regulatory element binding proteins downregulate LDL receptor-related protein (LRP1) expression and LRP1-mediated aggregated LDL uptake by human macrophages. <i>Cardiovascular Research</i> , 2007, 74, 526-536.              | 3.8  | 57        |
| 15 | Cell Biology and Lipoproteins in Atherosclerosis. <i>Current Molecular Medicine</i> , 2006, 6, 439-456.   | 1.3  | 54        |
| 16 | Circulating Biomarkers. <i>Thrombosis Research</i> , 2012, 130, S12-S15.  | 1.7  | 48        |
| 17 | PCSK9 and LRP5 in macrophage lipid internalization and inflammation. <i>Cardiovascular Research</i> , 2021, 117, 2054-2068.   | 3.8  | 45        |
| 18 | Impaired Trafficking and Activation of Tumor Necrosis Factor- $\alpha$ -converting Enzyme in Cell Mutants Defective in Protein Ectodomain Shedding. <i>Journal of Biological Chemistry</i> , 2003, 278, 25933-25939.                  | 3.4  | 44        |

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|----|--|-----|-----------|
| 19 | Adipocyte differentiation-related protein is induced by LRP1-mediated aggregated LDL internalization in human vascular smooth muscle cells and macrophages. <i>Journal of Lipid Research</i> , 2007, 48, 2133-2140.  | 4.2 | 42        |
| 20 | Short-term myocardial ischemia induces cardiac modified C-reactive protein expression and proinflammatory gene (cyclo-oxygenase-2, monocyte chemoattractant protein-1, and tissue factor) upregulation in peripheral blood mononuclear cells. <i>Journal of Thrombosis and Haemostasis</i> , 2009, 7, 485-493. | 3.8 | 41        |
| 21 | <sc>LRP</sc>5 deficiency downâ€regulates Wnt signalling and promotes aortic lipid infiltration in hypercholesterolaemic mice. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 770-777.  | 3.6 | 41        |
| 22 | Pathogenesis of the acute coronary syndromes and therapeutic implications. <i>Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research</i> , 2002, 32, 225-231.   | 0.3 | 36        |
| 23 | PCSK9 Functions in Atherosclerosis Are Not Limited to Plasmatic LDL-Cholesterol Regulation. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 639727.   | 2.4 | 36        |
| 24 | Neuronal TIMPâ€1 release accompanies astrocytic MMPâ€9 secretion and enhances astrocyte proliferation induced by Î²â€amyloid 25â€35 fragment. <i>Journal of Neuroscience Research</i> , 2009, 87, 2115-2125.   | 2.9 | 34        |
| 25 | Microvasculature Recovery by Angiogenesis After Myocardial Infarction. <i>Current Pharmaceutical Design</i> , 2018, 24, 2967-2973.   | 1.9 | 33        |
| 26 | Tissue factor induction by aggregated LDL depends on LDL receptor-related protein expression (LRP1) and Rho A translocation in human vascular smooth muscle cells. <i>Cardiovascular Research</i> , 2007, 73, 208-216.   | 3.8 | 32        |
| 27 | Selective role of sterol regulatory element binding protein isoforms in aggregated LDL-induced vascular low density lipoprotein receptor-related protein-1 expression. <i>Atherosclerosis</i> , 2010, 213, 458-468.  | 0.8 | 28        |
| 28 | Circulating microparticles are associated with clinical severity of persistent ST-segment elevation myocardial infarction complicated with cardiogenic shock. <i>International Journal of Cardiology</i> , 2018, 258, 249-256.   | 1.7 | 27        |
| 29 | Magnitude of Clinical Benefit of Cancer Drugs Approved by the US Food and Drug Administration Based on Single-Arm Trials. <i>JAMA Oncology</i> , 2018, 4, 1610.  | 7.1 | 27        |
| 30 | The Carboxy-terminal Cysteine of the Tetraspanin L6 Antigen Is Required for Its Interaction with SITAC, a Novel PDZ Protein. <i>Molecular Biology of the Cell</i> , 2000, 11, 4217-4225.   | 2.1 | 26        |
| 31 | <sc>LRP</sc>5 negatively regulates differentiation of monocytes through abrogation of Wnt signalling. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 314-325.   | 3.6 | 26        |
| 32 | LRP5/canonical Wnt signalling and healing of ischemic myocardium. <i>Basic Research in Cardiology</i> , 2016, 111, 67.   | 5.9 | 25        |
| 33 | Wnt signaling in the vessel wall. <i>Current Opinion in Hematology</i> , 2017, 24, 230-239.  | 2.5 | 24        |
| 34 | LRP5 associates with specific subsets of macrophages: Molecular and functional effects. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 90, 146-156.   | 1.9 | 22        |
| 35 | Silybum marianum provides cardioprotection and limits adverse remodeling post-myocardial infarction by mitigating oxidative stress and reactive fibrosis. <i>International Journal of Cardiology</i> , 2018, 270, 28-35.   | 1.7 | 22        |
| 36 | Cholesterol modulates LRP5 expression in the vessel wall. <i>Atherosclerosis</i> , 2014, 235, 363-370.   | 0.8 | 21        |

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|----|--|------|-----------|
| 37 | LRP5 and plasma cholesterol levels modulate the canonical Wnt pathway in peripheral blood leukocytes. <i>Immunology and Cell Biology</i> , 2015, 93, 653-661.  | 2.3  | 20        |
| 38 | GSK3 $\beta$ inhibition and canonical Wnt signaling in mice hearts after myocardial ischemic damage. <i>PLoS ONE</i> , 2019, 14, e0218098.   | 2.5  | 20        |
| 39 | Clinical benefit and cost of breakthrough cancer drugs approved by the US Food and Drug Administration. <i>Cancer</i> , 2020, 126, 4390-4399.  | 4.1  | 19        |
| 40 | Immunization with the Gly <sup>1127</sup> -Cys <sup>1140</sup> amino acid sequence of the LRP1 receptor reduces atherosclerosis in rabbits. <i>Molecular, immunohistochemical and nuclear imaging studies. Theranostics</i> , 2020, 10, 3263-3280.   | 10.0 | 19        |
| 41 | Tissue factor variants induce monocyte transformation and transdifferentiation into endothelial cell-like cells. <i>Journal of Thrombosis and Haemostasis</i> , 2017, 15, 1689-1703.   | 3.8  | 18        |
| 42 | Effects of progestogens on thrombosis and atherosclerosis. <i>Human Reproduction Update</i> , 1999, 5, 191-199.  | 10.8 | 16        |
| 43 | Macrophages of genetically characterized familial hypercholesterolaemia patients show up-regulation of LDL receptor-related proteins. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 487-499.   | 3.6  | 14        |
| 44 | Thrombin in Arterial Thrombosis. <i>Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research</i> , 1994, 24, 69-80.   | 0.3  | 13        |
| 45 | Antioxidized LDL Antibodies Are Associated With Different Metabolic Pathways in Patients With Atherosclerotic Plaque and Type 2 Diabetes. <i>Diabetes Care</i> , 2013, 36, 1006-1011.  | 8.6  | 12        |
| 46 | Bone Marrow Cell Transplant From Donors With Cardiovascular Risk Factors Increases the Pro-atherosclerotic Phenotype in the Recipients. <i>American Journal of Transplantation</i> , 2016, 16, 3392-3403.  | 4.7  | 8         |
| 47 | A sudden increase in plasma epinephrine levels transiently enhances platelet deposition on severely damaged arterial wall—studies in a porcine model. <i>Thrombosis and Haemostasis</i> , 1999, 82, 1736-42.   | 3.4  | 7         |
| 48 | Molecular and functional characterization of LRP1 promoter polymorphism c.1-25 C>G (rs138854007). <i>Atherosclerosis</i> , 2014, 233, 178-185.   | 0.8  | 6         |
| 49 | Microvesicles carrying LRP5 induce macrophage polarization to an anti-inflammatory phenotype. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 7935-7947.   | 3.6  | 6         |
| 50 | Differential cholesterol uptake in liver cells: A role for PCSK9. <i>FASEB Journal</i> , 2022, 36, e22291.   | 0.5  | 6         |
| 51 | Determination of UO <sub>2</sub> (s) dissolution rates in a hydrogen peroxide medium as a function of pressure and temperature. <i>Journal of Nuclear Materials</i> , 2008, 375, 151-156.  | 2.7  | 5         |
| 52 | Atheroma Burden and Morphology in Women. <i>Current Pharmaceutical Design</i> , 2016, 22, 3915-3927.   | 1.9  | 3         |
| 53 | Triglyceride-induced cardiac lipotoxicity is mitigated by <i>Silybum marianum</i> . <i>Atherosclerosis</i> , 2021, 324, 91-101.  | 0.8  | 2         |
| 54 | Do physicians correctly calculate thromboembolic risk scores? A comparison of concordance between manual and computer-based calculation of <sc>CHADS</sc> <sub>2</sub> and <sc>CHA</sc> <sub>2</sub> <sc>DS</sc> <sub>2</sub> -<sc>VASc</sc> scores. <i>Internal Medicine Journal</i> , 2016, 46, 583-589. | 0.8  | 1         |

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|----|---|-----|-----------|
| 55 | Reply to the letter by Dr. Ulas to the manuscript entitled: "Silybum marianum provides cardioprotection and limits adverse remodeling post-myocardial infarction by mitigating oxidative stress and reactive fibrosis". International Journal of Cardiology, 2018, 270, 78. | 1.7 | 1         |
| 56 | 47One year of mediterranean diet decreases microvesicle release from activated platelets and leukocytes in asymptomatic high cardiovascular risk patients. European Heart Journal, 2019, 40, .  | 2.2 | 1         |
| 57 | Clinical benefit of breakthrough cancer drugs approved by the United States Food and Drug Administration.. Journal of Clinical Oncology, 2019, 37, 6513-6513.   | 1.6 | 1         |
| 58 | Cell biology of restenosis post-angioplasty. Clinical Research in Cardiology, 1995, 84 Suppl 4, 145-9.  | 1.1 | 1         |
| 59 | Supplementation With Spirulina Reduces Infarct Size and Ameliorates Cardiac Function in a Pig Model of STEMI. Frontiers in Pharmacology, 2022, 13, 891801.  | 3.5 | 1         |
| 60 | P1001Predictors of stroke and overall mortality in real world patients with atrial fibrillation treated with oral anticoagulants. European Heart Journal, 2018, 39, .   | 2.2 | 0         |
| 61 | 2167Influence of gender on long-term prognosis in patients with atrial fibrillation treated with oral anticoagulants. Results from the prospective, nationwide FANTASIA study. European Heart Journal, 2018, 39, .  | 2.2 | 0         |
| 62 | P1281EHRA functional class is a strong predictor of major events in patients with atrial fibrillation treated with oral anticoagulants. European Heart Journal, 2018, 39, .   | 2.2 | 0         |
| 63 | 4938Differential urine proteomic signature in early phase of renal insufficiency in patients with acute heart failure. European Heart Journal, 2018, 39, .  | 2.2 | 0         |
| 64 | 2183Intravenous administration of IV-STATIN CARDIOSHIELD during myocardial infarction renders higher cardioprotection than oral atorvastatin given shortly after reperfusion: a translational CMR study. European Heart Journal, 2019, 40, .                                | 2.2 | 0         |
| 65 | Lessons learned by atherosclerotic plaques at necropsy. Clínica E Investigaci3n En Arteriosclerosis (English Edition), 2019, 31, 73-74.   | 0.2 | 0         |
| 66 | P3490Intravenous administration of atorvastatin early after cardiac ischemia attenuates adverse left ventricular remodeling, ameliorates cardiac function and limits the deleterious effects of reinfarction. European Heart Journal, 2019, 40, .                           | 2.2 | 0         |
| 67 | P3499Myocardial extracellular matrix during post-infarction remodeling: The role of C3-complement system. European Heart Journal, 2019, 40, .   | 2.2 | 0         |
| 68 | P6419Machine learning in critical care: the role of diabetes and age in acute coronary syndromes. European Heart Journal, 2019, 40, .   | 2.2 | 0         |
| 69 | Evaluation of dystrophin expression by immunohistochemistry as a prognostic factor in leiomyosarcomas (LMS).. Journal of Clinical Oncology, 2021, 39, e23525-e23525.  | 1.6 | 0         |
| 70 | CMR analysis of the cardioprotective effects of chronic statin therapy prior to first STEMI: a propensity score analysis. European Heart Journal, 2021, 42, .   | 2.2 | 0         |
| 71 | Lecciones aprendidas mediante el estudio de las placas ateroscler3ticas obtenidas en las necropsias. Clínica E Investigaci3n En Arteriosclerosis, 2019, 31, 73-74.  | 0.8 | 0         |
| 72 | Management of stage I seminomatous germ-cell cancer (SGCC): Results from 4 different risk-adapted strategies in a single institution.. Journal of Clinical Oncology, 2019, 37, e16047-e16047.   | 1.6 | 0         |

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|----|--|-----|-----------|
| 73 | Risk of second primary neoplasia in patients with oropharyngeal carcinoma: Role of HPV status in the outcome.. Journal of Clinical Oncology, 2019, 37, e17544-e17544.  | 1.6 | 0         |
| 74 | Proangiogenic and Proarteriogenic Therapies in Coronary Microvasculature Dysfunction. , 2020, , 271-287.   |     | 0         |
| 75 | Value of multigene panel retesting of families with <i>BRCA1/2</i> mutation-negative hereditary breast and ovarian cancer (HBOC).. Journal of Clinical Oncology, 2020, 38, 1582-1582.                                    | 1.6 | 0         |
| 76 | Administration of a soluble ADPase, AZD3366, on top of ticagrelor confers additional cardioprotective benefits to that of ticagrelor alone. European Heart Journal, 2020, 41, .  | 2.2 | 0         |
| 77 | The role of nutritional additives in prevention: dietary supplementation with Spirulina reduces myocardial damage and improves cardiac function post-myocardial infarction in swine. European Heart Journal, 2020, 41, . | 2.2 | 0         |
| 78 | Adipsin a regulatory protein found in the extracellular matrix is modulated by hypercholesterolemia in myocardial infarction. Cardiovascular Research, 2022, 118, .  | 3.8 | 0         |
| 79 | Mitochondrial proteomic response to post-conditioning: a network-assisted systems biology analysis in a preclinical model. Cardiovascular Research, 2022, 118, .   | 3.8 | 0         |
| 80 | MiR-6821-5p and coronary calcification in familial hypercholesterolemia patients with subclinical atherosclerosis. Cardiovascular Research, 2022, 118, .   | 3.8 | 0         |
| 81 | Diabetes impairs osteogenic differentiation of bone marrow mesenchymal stem cells. Cardiovascular Research, 2022, 118, .   | 3.8 | 0         |