

# Jose Vilar

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

3,910  
citations

126907

33  
h-index

197818

49  
g-index

51  
all docs

51  
docs citations

51  
times ranked

6255  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | B lymphocytes trigger monocyte mobilization and impair heart function after acute myocardial infarction. <i>Nature Medicine</i> , 2013, 19, 1273-1280.   | 30.7 | 422       |
| 2  | B cell depletion reduces the development of atherosclerosis in mice. <i>Journal of Experimental Medicine</i> , 2010, 207, 1579-1587.   | 8.5  | 375       |
| 3  | Bradycardia and Slowing of the Atrioventricular Conduction in Mice Lacking Ca V 3.1/ $\beta$ 1G T-Type Calcium Channels. <i>Circulation Research</i> , 2006, 98, 1422-1430.  | 4.5  | 275       |
| 4  | Mild vitamin A deficiency leads to inborn nephron deficit in the rat. <i>Kidney International</i> , 1998, 54, 1455-1462.   | 5.2  | 238       |
| 5  | Intra-Cardiac Release of Extracellular Vesicles Shapes Inflammation Following Myocardial Infarction. <i>Circulation Research</i> , 2018, 123, 100-106.   | 4.5  | 181       |
| 6  | Ex Vivo Priming of Endothelial Progenitor Cells With SDF-1 Before Transplantation Could Increase Their Proangiogenic Potential. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 644-650.   | 2.4  | 174       |
| 7  | NADPH Oxidase-Derived Overproduction of Reactive Oxygen Species Impairs Postischemic Neovascularization in Mice with Type 1 Diabetes. <i>American Journal of Pathology</i> , 2006, 169, 719-728.   | 3.8  | 154       |
| 8  | Dynamics of Cardiac Neutrophil Diversity in Murine Myocardial Infarction. <i>Circulation Research</i> , 2020, 127, e232-e249.  | 4.5  | 122       |
| 9  | Microparticles From Ischemic Muscle Promotes Postnatal Vasculogenesis. <i>Circulation</i> , 2009, 119, 2808-2817.  | 1.6  | 118       |
| 10 | Myeloid-Epithelial-Reproductive Receptor Tyrosine Kinase and Milk Fat Globule Epidermal Growth Factor 8 Coordinately Improve Remodeling After Myocardial Infarction via Local Delivery of Vascular Endothelial Growth Factor. <i>Circulation</i> , 2016, 133, 826-839. | 1.6  | 113       |
| 11 | Metanephros organogenesis is highly stimulated by vitamin A derivatives in organ culture. <i>Kidney International</i> , 1996, 49, 1478-1487.   | 5.2  | 99        |
| 12 | Mast cells regulate myofilament calcium sensitization and heart function after myocardial infarction. <i>Journal of Experimental Medicine</i> , 2016, 213, 1353-1374.  | 8.5  | 97        |
| 13 | Increase in Vascular Permeability and Vasodilation Are Critical for Proangiogenic Effects of Stem Cell Therapy. <i>Circulation</i> , 2006, 114, 328-338.   | 1.6  | 84        |
| 14 | Regulatory T Cells Modulate Postischemic Neovascularization. <i>Circulation</i> , 2009, 120, 1415-1425.  | 1.6  | 82        |
| 15 | Role of human smooth muscle cell progenitors in atherosclerotic plaque development and composition. <i>Cardiovascular Research</i> , 2007, 77, 471-480.  | 3.8  | 80        |
| 16 | The Chemokine Decoy Receptor D6 Prevents Excessive Inflammation and Adverse Ventricular Remodeling After Myocardial Infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2206-2213.   | 2.4  | 78        |
| 17 | Inhibition of Prolyl Hydroxylase Domain Proteins Promotes Therapeutic Revascularization. <i>Circulation</i> , 2009, 120, 50-59.  | 1.6  | 73        |
| 18 | Cytotoxic CD8+ T cells promote granzyme B-dependent adverse post-ischemic cardiac remodeling. <i>Nature Communications</i> , 2021, 12, 1483.   | 12.8 | 73        |

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|----|---|------|-----------|
| 19 | Regulation of monocyte subset systemic levels by distinct chemokine receptors controls post-ischaemic neovascularization. <i>Cardiovascular Research</i> , 2010, 88, 186-195.   | 3.8  | 63        |
| 20 | Extracellular vesicles from human cardiovascular progenitors trigger a reparative immune response in infarcted hearts. <i>Cardiovascular Research</i> , 2021, 117, 292-307.   | 3.8  | 57        |
| 21 | Angiotensinogen Delays Angiogenesis and Tumor Growth of Hepatocarcinoma in Transgenic Mice. <i>Cancer Research</i> , 2009, 69, 2853-2860.   | 0.9  | 56        |
| 22 | Hypertension Impairs Postnatal Vasculogenesis. <i>Hypertension</i> , 2008, 51, 1537-1544.   | 2.7  | 55        |
| 23 | Homeostatic and Tissue Reparation Defaults in Mice Carrying Selective Genetic Invalidation of CXCL12/Proteoglycan Interactions. <i>Circulation</i> , 2012, 126, 1882-1895.  | 1.6  | 55        |
| 24 | Small Interfering RNAs Induce Target-Independent Inhibition of Tumor Growth and Vasculature Remodeling in a Mouse Model of Hepatocellular Carcinoma. <i>American Journal of Pathology</i> , 2010, 177, 3192-3201.   | 3.8  | 54        |
| 25 | CX3CR1 deficiency promotes muscle repair and regeneration by enhancing macrophage ApoE production. <i>Nature Communications</i> , 2015, 6, 8972.  | 12.8 | 54        |
| 26 | Role of retinoids in renal development: pathophysiological implication. <i>Current Opinion in Nephrology and Hypertension</i> , 1999, 8, 39-43.   | 2.0  | 49        |
| 27 | Iron Regulator Heparin Impairs Macrophage-Dependent Cardiac Repair After Injury. <i>Circulation</i> , 2019, 139, 1530-1547.   | 1.6  | 48        |
| 28 | High Pressure Promotes Monocyte Adhesion to the Vascular Wall. <i>Circulation Research</i> , 2007, 100, 1226-1233.  | 4.5  | 47        |
| 29 | Midkine Is Involved in Kidney Development and in Its Regulation by Retinoids. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 668-676.   | 6.1  | 44        |
| 30 | HIF-Prolyl Hydroxylase 2 Inhibition Enhances the Efficiency of Mesenchymal Stem Cell-Based Therapies for the Treatment of Critical Limb Ischemia. <i>Stem Cells</i> , 2014, 32, 231-243.  | 3.2  | 41        |
| 31 | Genetic Depletion or Hyperresponsiveness of Natural Killer Cells Do Not Affect Atherosclerosis Development. <i>Circulation Research</i> , 2018, 122, 47-57.   | 4.5  | 41        |
| 32 | C/EBP Homologous Protein-10 (CHOP-10) Limits Postnatal Neovascularization Through Control of Endothelial Nitric Oxide Synthase Gene Expression. <i>Circulation</i> , 2012, 125, 1014-1026.  | 1.6  | 40        |
| 33 | Chronic Hypoxia-Induced Angiogenesis Normalizes Blood Pressure in Spontaneously Hypertensive Rats. <i>Circulation Research</i> , 2008, 103, 761-769.  | 4.5  | 35        |
| 34 | Combination of the Angiotensin-Converting Enzyme Inhibitor Perindopril and the Diuretic Indapamide Activate Postnatal Vasculogenesis in Spontaneously Hypertensive Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 325, 766-773. | 2.5  | 33        |
| 35 | Sympathetic Nervous System Regulates Bone Marrow-Derived Cell Egress Through Endothelial Nitric Oxide Synthase Activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 643-653.   | 2.4  | 33        |
| 36 | Endothelial Cell Indoleamine 2, 3-Dioxygenase 1 Alters Cardiac Function After Myocardial Infarction Through Kynurenine. <i>Circulation</i> , 2021, 143, 566-580.  | 1.6  | 33        |

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|----|--|-----|-----------|
| 37 | MicroRNA-21 Coordinates Human Multipotent Cardiovascular Progenitors Therapeutic Potential. <i>Stem Cells</i> , 2014, 32, 2908-2922.   | 3.2 | 30        |
| 38 | Selective EGFR (Epidermal Growth Factor Receptor) Deletion in Myeloid Cells Limits Atherosclerosisâ€”Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 114-119.                        | 2.4 | 29        |
| 39 | Tetrapeptide AcSDKP Induces Postischemic Neovascularization Through Monocyte Chemoattractant Protein-1 Signaling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 773-779.                         | 2.4 | 28        |
| 40 | Endothelial Nitric Oxide Synthase Overexpression Restores the Efficiency of Bone Marrow Mononuclear Cell-Based Therapy. <i>American Journal of Pathology</i> , 2011, 178, 55-60.   | 3.8 | 26        |
| 41 | Ephrin-B2-Activated Peripheral Blood Mononuclear Cells From Diabetic Patients Restore Diabetes-Induced Impairment of Postischemic Neovascularization. <i>Diabetes</i> , 2012, 61, 2621-2632.                             | 0.6 | 26        |
| 42 | Splenic Marginal Zone B Lymphocytes Regulate Cardiac Remodeling After Acute Myocardial Infarction in Mice. <i>Journal of the American College of Cardiology</i> , 2022, 79, 632-647.                                     | 2.8 | 22        |
| 43 | Gingival fibroblasts protect against experimental abdominal aortic aneurysm development and rupture through tissue inhibitor of metalloproteinase-1 production. <i>Cardiovascular Research</i> , 2017, 113, 1364-1375.   | 3.8 | 18        |
| 44 | Biomarkers of vascular dysfunction and cognitive decline in patients with Alzheimerâ€™s disease: no evidence for association in elderly subjects. <i>Aging Clinical and Experimental Research</i> , 2016, 28, 1133-1141. | 2.9 | 11        |
| 45 | Deletion of Chromosome 9p21 Noncoding Cardiovascular Risk Interval in Mice Alters Smad2 Signaling and Promotes Vascular Aneurysm. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 799-805.                        | 5.1 | 10        |
| 46 | Monocytes/Macrophages Mobilization Orchestrate Neovascularization after Localized Colorectal Irradiation. <i>Radiation Research</i> , 2017, 187, 549-561.  | 1.5 | 9         |
| 47 | Effect of normovolemic hematocrit changes on blood pressure and flow. <i>Life Sciences</i> , 2016, 157, 62-66.   | 4.3 | 8         |
| 48 | Evaluation of Rat Heart Microvasculature with High-Spatial-Resolution Susceptibility-weighted MR Imaging. <i>Radiology</i> , 2013, 269, 277-282.   | 7.3 | 3         |
| 49 | Red blood cell deformability is very slightly decreased in erythropoietin deficient mice. <i>Clinical Hemorheology and Microcirculation</i> , 2014, 56, 41-46.   | 1.7 | 3         |