Martin Rodriguez-Porcel

List of Publications by Year
in descending order

49 papers	2,176 citations	236925 25 h-index	223800 46 g-index

51 all docs	51 docs citations	51 times ranked	2185 citing authors

#	Article	IF	Citations
1	Increased Oxidative Stress in Experimental Renovascular Hypertension. Hypertension, 2001, 37, 541-546.	2.7	247
2	Distinct Renal Injury in Early Atherosclerosis and Renovascular Disease. Circulation, 2002, 106, 1165-1171.	1.6	235
3	Cortical Microvascular Remodeling in the Stenotic Kidney. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 1854-1859.	2.4	141
4	Antioxidant Intervention Attenuates Myocardial Neovascularization in Hypercholesterolemia. Circulation, 2004, 109, 2109-2115.	1.6	121
5	Antioxidant Intervention Blunts Renal Injury in Experimental Renovascular Disease. Journal of the American Society of Nephrology: JASN, 2004, 15, 958-966.	6.1	114
6	Imaging of VEGF Receptor in a Rat Myocardial Infarction Model Using PET. Journal of Nuclear Medicine, 2008, 49, 667-673.	5.0	102
7	Improved survival of mesenchymal stromal cell after hypoxia preconditioning: Role of oxidative stress. Life Sciences, 2011, 88, 65-73.	4.3	89
8	Comparison of Optical Bioluminescence Reporter Gene and Superparamagnetic Iron Oxide MR Contrast Agent as Cell Markers for Noninvasive Imaging of Cardiac Cell Transplantation. Molecular Imaging and Biology, 2009, 11, 178-187.	2.6	84
9	Imaging Gene Expression in Human Mesenchymal Stem Cells: From Small to Large Animals. Radiology, 2009, 252, 117-127.	7.3	83
10	Hypercholesterolemia impairs myocardial perfusion and permeability: role of oxidative stress and endogenous scavenging activity. Journal of the American College of Cardiology, 2001, 37, 608-615.	2.8	78
11	Hypercholesterolemia and Hypertension Have Synergistic Deleterious Effects on Coronary Endothelial Function. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 885-891.	2.4	71
12	Chronic antioxidant supplementation attenuates nuclear factor-ÎºB activation and preserves endothelial function in hypercholesterolemic pigs. Cardiovascular Research, 2002, 53, 1010-1018.	3.8	66
13	Altered Myocardial Microvascular 3D Architecture in Experimental Hypercholesterolemia. Circulation, 2000, 102, 2028-2030.	1.6	64
14	Pathways of Renal Fibrosis and Modulation of Matrix Turnover in Experimental Hypercholesterolemia. Hypertension, 2005, 46, 772-779.	2.7	64
15	In Vivo Imaging and Monitoring of Transplanted Stem Cells: Clinical Applications. Current Cardiology Reports, 2010, 12, 51-58.	2.9	59
16	Image-Guided Cardiac Cell Delivery Using High-Resolution Small-Animal Ultrasound. Molecular Therapy, 2005, 12, 1142-1147.	8.2	55
17	Functional and structural remodeling of the myocardial microvasculature in early experimental hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H978-H984.	3.2	48
18	Long-Term Antioxidant Intervention Improves Myocardial Microvascular Function in Experimental Hypertension. Hypertension, 2004, 43, 493-498.	2.7	41

#	Article	IF	Citations
19	Role of Oxidative Stress in Remodeling of the Myocardial Microcirculation in Hypertension. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 1746-1752.	2.4	41
20	Myocarditis Following Coronavirus Disease 2019 mRNA Vaccine: A Case Series and Incidence Rate Determination. Clinical Infectious Diseases, 2022, 75, e749-e754.	5.8	41
21	Hypertension exacerbates the effect of hypercholesterolemia on the myocardial microvasculature. Cardiovascular Research, 2003, 58, 213-221.	3.8	31
22	Noninvasive Monitoring of Oxidative Stress in Transplanted Mesenchymal StromalÂCells. JACC: Cardiovascular Imaging, 2013, 6, 795-802.	5.3	27
23	Antioxidants Improve Early Survival of Cardiomyoblasts After Transplantation to the Myocardium. Molecular Imaging and Biology, 2010, 12, 325-334.	2.6	26
24	Polycystic Kidneys Have Decreased Vascular Density: A Microâ€€T Study. Microcirculation, 2013, 20, 183-189.	1.8	26
25	Mesenchymal Stromal Cells Improve Renovascular Function in Polycystic Kidney Disease. Cell Transplantation, 2015, 24, 1687-1698.	2.5	26
26	PET Imaging in Cardiac Sarcoidosis: A Narrative Review with Focus on Novel PET Tracers. Pharmaceuticals, 2021, 14, 1286.	3.8	26
27	Reporter Gene Imaging Following Percutaneous Delivery in Swine. Journal of the American College of Cardiology, 2008, 51, 595-597.	2.8	20
28	Cell Tracking and the Development of Cell-Based Therapies. JACC: Cardiovascular Imaging, 2012, 5, 559-565.	5.3	20
29	Endothelial Dysfunction Occurs prior to Clinical Evidence of Polycystic Kidney Disease. American Journal of Nephrology, 2013, 38, 233-240.	3.1	19
30	Emerging roles for integrated imaging modalities in cardiovascular cell-based therapeutics: a clinical perspective. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 165-181.	6.4	17
31	Noninvasive Evaluation of Immunosuppressive Drug Efficacy on Acute Donor Cell Survival. Molecular Imaging and Biology, 2006, 8, 163-170.	2.6	16
32	Senolytic agents lessen the severity of abdominal aortic aneurysm in aged mice. Experimental Gerontology, 2021, 151, 111416.	2.8	13
33	In vivo imaging for stem cell therapy: new developments and future challenges. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 400-405.	6.4	10
34	Phase analysis single-photon emission computed tomography (SPECT) myocardial perfusion imaging (MPI) detects dyssynchrony in myocardial scar and increases specificity of MPI. EJNMMI Research, 2019, 9, 11.	2.5	9
35	Noninvasive Imaging of Hypoxia-Inducible Factor-1Î± Gene Therapy for Myocardial Ischemia. Human Gene Therapy Methods, 2013, 24, 279-288.	2.1	7
36	Renin Inhibition Improves the Survival of Mesenchymal Stromal Cells in a Mouse Model of Myocardial Infarction. Journal of Cardiovascular Translational Research, 2014, 7, 560-569.	2.4	7

#	Article	IF	Citations
37	Noninvasive monitoring of myocardial angiogenesis. Current Cardiovascular Imaging Reports, 2009, 2, 59-66.	0.6	6
38	Noninvasive Monitoring of the Mitochondrial Function in Mesenchymal Stromal Cells. Molecular Imaging and Biology, 2016, 18, 510-518.	2.6	6
39	Molecular Imaging of Stem Cells. StemJournal, 2019, 1, 27-46.	0.6	4
40	The impact of combined cardiopulmonary exercise testing and SPECT myocardial perfusion imaging on downstream evaluation and management. Journal of Nuclear Cardiology, 2019, 26, 92-106.	2.1	4
41	The Myocardial Microenvironment Modulates the Biology of Transplanted Mesenchymal Stem Cells. Molecular Imaging and Biology, 2020, 22, 948-957.	2.6	3
42	Pathway-specific reporter genes to study stem cell biology. Stem Cells, 2020, 38, 808-814.	3.2	3
43	Stem Cellâ"Laden Coaxially Electrospun Fibrous Scaffold for Regenerative Engineering Applications. Current Protocols, 2021, 1, e13.	2.9	3
44	Cardiovascular Molecular Imaging as a Tool to Study Biology. Theranostics, 2013, 3, 914-915.	10.0	1
45	Intravascular Delivery of Biologics to the Rat Kidney. Journal of Visualized Experiments, 2016, , .	0.3	1
46	Noninvasive Assessment of Cell Fate and Biology in Transplanted Mesenchymal Stem Cells. Methods in Molecular Biology, 2017, 1553, 227-239.	0.9	1
47	Positron emission tomography for diagnosis of prosthetic valve endocarditis. Journal of Nuclear Cardiology, 2019, 26, 677-678.	2.1	0
48	Cardio Phenotypic Potential of Mesenchymal Stem Cells. Current Protocols, 2021, 1, e62.	2.9	0
49	Delayed Intramyocardial Delivery of Stem Cells after Ischemia Reperfusion Injury in a Murine Model. Journal of Visualized Experiments, 2020, , .	0.3	0