

Roberto I Vazquez-Padron

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

1,687
citations

304743

22
h-index

330143

37
g-index

98
all docs

98
docs citations

98
times ranked

2702
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrin CD11b activation drives anti-tumor innate immunity. <i>Nature Communications</i> , 2018, 9, 5379.	12.8	198
2	Small Molecule-Mediated Activation of the Integrin CD11b/CD18 Reduces Inflammatory Disease. <i>Science Signaling</i> , 2011, 4, ra57.	3.6	118
3	CD11b activation suppresses TLR-dependent inflammation and autoimmunity in systemic lupus erythematosus. <i>Journal of Clinical Investigation</i> , 2017, 127, 1271-1283.	8.2	100
4	Notch activation induces endothelial cell senescence and pro-inflammatory response: Implication of Notch signaling in atherosclerosis. <i>Atherosclerosis</i> , 2012, 225, 296-303.	0.8	90
5	Interleukin-10 Delivery via Mesenchymal Stem Cells: A Novel Gene Therapy Approach to Prevent Lung Ischemia-Reperfusion Injury. <i>Human Gene Therapy</i> , 2010, 21, 713-727.	2.7	75
6	Dialysis Arteriovenous Fistula Failure and Angioplasty: Intimal Hyperplasia and Other Causes of Access Failure. <i>American Journal of Kidney Diseases</i> , 2017, 69, 147-151.	1.9	53
7	miR-30e targets IGF2-regulated osteogenesis in bone marrow-derived mesenchymal stem cells, aortic smooth muscle cells, and ApoE ^{-/-} mice. <i>Cardiovascular Research</i> , 2015, 106, 131-142.	3.8	49
8	Pre-existing and Postoperative Intimal Hyperplasia and Arteriovenous Fistula Outcomes. <i>American Journal of Kidney Diseases</i> , 2016, 68, 455-464.	1.9	45
9	MMM-QSAR Recognition of Ribonucleases without Alignment: Comparison with an HMM Model and Isolation from <i>Schizosaccharomyces pombe</i> , Prediction, and Experimental Assay of a New Sequence. <i>Journal of Chemical Information and Modeling</i> , 2008, 48, 434-448.	5.4	44
10	The origin of post-injury neointimal cells in the rat balloon injury model. <i>Cardiovascular Research</i> , 2009, 81, 46-53.	3.8	40
11	Fibrotic Venous Remodeling and Nonmaturation of Arteriovenous Fistulas. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1030-1040.	6.1	40
12	Macrophage-derived IL-18 and increased fibrinogen deposition are age-related inflammatory signatures of vascular remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H641-H653.	3.2	38
13	Small molecule agonists of integrin CD11b/CD18 do not induce global conformational changes and are significantly better than activating antibodies in reducing vascular injury. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3696-3710.	2.4	31
14	New Insights into Dialysis Vascular Access: Impact of Preexisting Arterial and Venous Pathology on AVF and AVG Outcomes. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016, 11, 1495-1503.	4.5	31
15	Dynamic Regulation of Vascular Myosin Light Chain (MYL9) with Injury and Aging. <i>PLoS ONE</i> , 2011, 6, e25855.	2.5	31
16	Novel role of Egr-1 in nicotine-related neointimal formation. <i>Cardiovascular Research</i> , 2010, 88, 296-303.	3.8	30
17	Transcriptomics of Human Arteriovenous Fistula Failure: Genes Associated With Nonmaturation. <i>American Journal of Kidney Diseases</i> , 2019, 74, 73-81.	1.9	28
18	Origin of Neointimal Cells in Arteriovenous Fistulae: Bone Marrow, Artery, or the Vein Itself?. <i>Seminars in Dialysis</i> , 2011, 24, 242-248.	1.3	25

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19	The Role of Endovascular Stents in Dialysis Access Maintenance. <i>Advances in Chronic Kidney Disease</i> , 2015, 22, 453-458.	1.4	25
20	A Multicenter Randomized Clinical Trial of Hemodialysis Access Blood Flow Surveillance Compared to Standard of Care: The Hemodialysis Access Surveillance Evaluation (HASE) Study. <i>Kidney International Reports</i> , 2020, 5, 1937-1944.	0.8	25
21	Oxidative stress induces early-onset apoptosis of vascular smooth muscle cells and neointima formation in response to injury. <i>Bioscience Reports</i> , 2015, 35, .	2.4	23
22	An enhanced bioluminescence-based Annexin V probe for apoptosis detection in vitro and in vivo. <i>Cell Death and Disease</i> , 2017, 8, e2826-e2826.	6.3	23
23	QSAR for RNases and theoreticâ€œexperimental study of molecular diversity on peptide mass fingerprints of a new <i>Leishmania infantum</i> protein. <i>Molecular Diversity</i> , 2010, 14, 349-369.	3.9	22
24	Stress-induced senescence exaggerates postinjury neointimal formation in the old vasculature. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H66-H74.	3.2	22
25	A New Arteriovenous Fistula Model to Study the Development of Neointimal Hyperplasia. <i>Journal of Vascular Research</i> , 2012, 49, 123-131.	1.4	20
26	A Metaâ€œanalysis of Randomized Clinical Trials Assessing Hemodialysis Access Thrombosis Based on Access Flow Monitoring: Where Do We Stand?. <i>Seminars in Dialysis</i> , 2015, 28, E23-9.	1.3	19
27	Vascular Regeneration in Ischemic Hindlimb by Adenoâ€œAssociated Virus Expressing Conditionally Silenced Vascular Endothelial Growth Factor. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	19
28	The effect of estrogen on diabetic wound healing is mediated through increasing the function of various bone marrow-derived progenitor cells. <i>Journal of Vascular Surgery</i> , 2018, 68, 127S-135S.	1.1	19
29	An Essential Role for Diet in Exercise-Mediated Protection against Dyslipidemia, Inflammation and Atherosclerosis in ApoE ^{-/-} Mice. <i>PLoS ONE</i> , 2011, 6, e17263.	2.5	19
30	Notch1â€œWISP-1 axis determines the regulatory role of mesenchymal stem cell-derived stromal fibroblasts in melanoma metastasis. <i>Oncotarget</i> , 2016, 7, 79262-79273.	1.8	19
31	Cryptic endotoxic nature of <i>Bacillus thuringiensis</i> Cry1Ab insecticidal crystal protein. <i>FEBS Letters</i> , 2004, 570, 30-36.	2.8	17
32	Aging increases p16INK4a expression in vascular smooth-muscle cells. <i>Bioscience Reports</i> , 2010, 30, 11-18.	2.4	17
33	Notch1 signaling determines the plasticity and function of fibroblasts in diabetic wounds. <i>Life Science Alliance</i> , 2020, 3, e202000769.	2.8	17
34	Human marrow-isolated adult multilineage-inducible (MIAMI) cells protect against peripheral vascular ischemia in a mouse model. <i>Cytotherapy</i> , 2011, 13, 179-192.	0.7	16
35	A Reliable Mouse Model of Hind limb Gangrene. <i>Annals of Vascular Surgery</i> , 2018, 48, 222-232.	0.9	15
36	A novel mouse model of in-stent restenosis. <i>Atherosclerosis</i> , 2010, 209, 359-366.	0.8	14

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37	Intimal Hyperplasia and Arteriovenous Fistula Failure: Looking Beyond Size Differences. <i>Kidney360</i> , 2021, 2, 1360-1372.	2.1	14
38	Myofibroblasts: the ideal target to prevent arteriovenous fistula failure?. <i>Kidney International</i> , 2014, 85, 234-236.	5.2	13
39	CD4+ lymphocytes improve venous blood flow in experimental arteriovenous fistulae. <i>Surgery</i> , 2015, 158, 529-536.	1.9	13
40	Neonatal hyperoxia exposure induces aortic biomechanical alterations and cardiac dysfunction in juvenile rats. <i>Physiological Reports</i> , 2020, 8, e14334.	1.7	13
41	Molecular dissection of mouse soluble guanylyl cyclase β 1 promoter. <i>Biochemical and Biophysical Research Communications</i> , 2004, 314, 208-214.	2.1	12
42	c-Kit signaling determines neointimal hyperplasia in arteriovenous fistulae. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 307, F1095-F1104.	2.7	12
43	Arteriovenous fistulas for hemodialysis: Brief review and current problems. <i>Journal of Vascular Access</i> , 2022, 23, 839-846.	0.9	11
44	c-Kit modifies the inflammatory status of smooth muscle cells. <i>PeerJ</i> , 2017, 5, e3418.	2.0	11
45	Distinct Impact of Three Different Statins on Arteriovenous Fistula Outcomes: A Retrospective Analysis. <i>Journal of Vascular Access</i> , 2016, 17, 471-476.	0.9	10
46	Similar degree of intimal hyperplasia in surgically detected stenotic and nonstenotic arteriovenous fistula segments: a preliminary report. <i>Surgery</i> , 2018, 163, 866-869.	1.9	10
47	Inhibition of Lysyl Oxidase with β -aminopropionitrile Improves Venous Adaptation after Arteriovenous Fistula Creation. <i>Kidney360</i> , 2021, 2, 270-278.	2.1	10
48	Aorta in Pathologies May Function as an Immune Organ by Upregulating Secretomes for Immune and Vascular Cell Activation, Differentiation and Trans-Differentiation“Early Secretomes may Serve as Drivers for Trained Immunity. <i>Frontiers in Immunology</i> , 2022, 13, 858256.	4.8	10
49	The Impact of Arteriovenous Fistulae on the Myocardium: The Impact of Creation and Ligation in the Transplant Era. <i>Seminars in Dialysis</i> , 2015, 28, 305-310.	1.3	9
50	Vascularization of the arteriovenous fistula wall and association with maturation outcomes. <i>Journal of Vascular Access</i> , 2020, 21, 161-168.	0.9	9
51	Anti Human CX3CR1 VHH Molecule Attenuates Venous Neointimal Hyperplasia of Arteriovenous Fistula in Mouse Model. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 1630-1648.	6.1	9
52	Arteriovenous fistula maturation in patients with permanent access created prior to or after hemodialysis initiation. <i>Journal of Vascular Access</i> , 2017, 18, 185-191.	0.9	8
53	The anatomical sources of neointimal cells in the arteriovenous fistula. <i>Journal of Vascular Access</i> , 2023, 24, 99-106.	0.9	8
54	c-Kit suppresses atherosclerosis in hyperlipidemic mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H867-H876.	3.2	7

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55	E-Selectin-Overexpressing Mesenchymal Stem Cell Therapy Confers Improved Reperfusion, Repair, and Regeneration in a Murine Critical Limb Ischemia Model. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 826687.	2.4	7
56	Measurement of Vessel Diameter During Angioplasty: Are We Accurately Performing This Task?. <i>Seminars in Dialysis</i> , 2014, 27, E38-E41.	1.3	6
57	Age-related changes in monocytes exacerbate neointimal hyperplasia after vascular injury. <i>Oncotarget</i> , 2015, 6, 17054-17064.	1.8	6
58	A Comprehensive Review of Oxidative Stress as the Underlying Mechanism in Atherosclerosis and the Inefficiency of Antioxidants to Revert this Process. <i>Current Pharmaceutical Design</i> , 2019, 24, 4705-4710.	1.9	6
59	An internal ribosome entry site mediates the initiation of soluble guanylyl cyclase β 2 mRNA translation. <i>FEBS Journal</i> , 2008, 275, 3598-3607.	4.7	5
60	Assessment of Micro-Mechanical Variations in Experimental Arteriovenous Fistulae using Atomic Force Microscopy. <i>Journal of Vascular Access</i> , 2016, 17, 279-283.	0.9	5
61	Ischemic-Trained Monocytes Improve Arteriogenesis in a Mouse Model of Hindlimb Ischemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 175-188.	2.4	5
62	A Genetic Model of Constitutively Active Integrin CD11b/CD18. <i>Journal of Immunology</i> , 2020, 205, 2545-2553.	0.8	4
63	Gangrene, revascularization, and limb function improved with E-selectin/adeno-associated virus gene therapy. <i>JVS Vascular Science</i> , 2021, 2, 20-32.	1.1	4
64	Electrospun Gelatin Constructs with Tunable Fiber Orientation Promote Directed Angiogenesis. <i>Open Journal of Regenerative Medicine</i> , 2014, 03, 1-12.	0.9	4
65	From basic anatomic configuration to maturation success. <i>Kidney International</i> , 2012, 81, 724-726.	5.2	3
66	Loss of c-Kit function impairs arteriogenesis in a mouse model of hindlimb ischemia. <i>Surgery</i> , 2018, 163, 877-882.	1.9	3
67	Arteriovenous fistula outcomes in human immunodeficiency virus-positive patients. <i>Saudi Journal of Kidney Diseases and Transplantation: an Official Publication of the Saudi Center for Organ Transplantation, Saudi Arabia</i> , 2018, 29, 1350.	0.3	3
68	Systemic Profile of Cytokines in Arteriovenous Fistula Patients and Their Associations with Maturation Failure. <i>Kidney360</i> , 2022, 3, 677-686.	2.1	3
69	c-Kit deficiency impairs nitric oxide signaling in smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2019, 518, 227-232.	2.1	2
70	A Hyaluronan Synthesis Inhibitor Delays the Progression of Diabetic Kidney Disease in A Mouse Experimental Model. <i>Kidney360</i> , 2021, 2, 809-818.	2.1	2
71	c-Kit expression in smooth muscle cells reduces atherosclerosis burden in hyperlipidemic mice. <i>Atherosclerosis</i> , 2021, 324, 133-140.	0.8	2
72	An atypical case of hemodialysis access stent migration. <i>Clinical Nephrology Case Studies</i> , 2022, 10, 28-31.	0.7	2

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73	High-Resolution Three-Dimensional Imaging of the Footpad Vasculature in a Murine Hindlimb Gangrene Model. <i>Journal of Visualized Experiments</i> , 2022, , .	0.3	2
74	A snapshot of early venous remodeling in a 7-day-old arteriovenous fistula. <i>Journal of Vascular Access</i> , 2023, 24, 1529-1534.	0.9	2
75	Role of platelet factor 4 in arteriovenous fistula maturation failure: What do we know so far?. <i>Journal of Vascular Access</i> , 0, , 112972982210854.	0.9	2
76	Balloon Cinch Deformity during Angioplasty Procedures: An Indication for Impending Rupture. <i>Seminars in Dialysis</i> , 2014, 27, E21-3.	1.3	1
77	Immature and Mature Collagen Crosslinks Quantification Using High-Performance Liquid Chromatography and High-Resolution Mass Spectrometry in Orbitrap®, ¢. <i>Methods in Molecular Biology</i> , 2019, 1996, 101-111.	0.9	1
78	P142 CONSTITUTIVELY ACTIVE MAC-1 (CD11B) AMELIORATES INFLAMMATION IN MOUSE DSS COLITIS MODEL. <i>Gastroenterology</i> , 2019, 156, S95.	1.3	1
79	QS370. Vascular Injury Causes Early-Onset Apoptosis of Medial Vascular Smooth Muscle Cells. <i>Journal of Surgical Research</i> , 2008, 144, 414.	1.6	0
80	PS200. Notch Activation Induces Endothelial Cell Senescence and Pro-Inflammatory Response: Implication of Notch Signaling in Atherosclerosis. <i>Journal of Vascular Surgery</i> , 2011, 53, 81S-82S.	1.1	0
81	Importance of c-Kit Signaling In Arteriogenesis. <i>Annals of Vascular Surgery</i> , 2018, 47, 6-7.	0.9	0
82	P142 CONSTITUTIVELY ACTIVE MAC-1 (CD11B) AMELIORATES INFLAMMATION IN MOUSE DSS COLITIS MODEL. <i>Inflammatory Bowel Diseases</i> , 2019, 25, S65-S66.	1.9	0
83	Vascularization of the Arteriovenous Fistula Wall and Association with Maturation Outcomes. <i>Annals of Vascular Surgery</i> , 2019, 61, 7.	0.9	0
84	MO763THE VON WILLEBRAND FACTOR IS A KEY PLAYER IN ARTERIOVENOUS FISTULA MATURATION*. <i>Nephrology Dialysis Transplantation</i> , 2021, 36, .	0.7	0
85	Abstract 977: Mesenchymal Stem Cell Therapy Prevents Ischemia/Reperfusion Injury and Promotes Tissue Regeneration. <i>Circulation</i> , 2007, 116, .	1.6	0
86	Abstract 1318: Aging Inhibits The Apoptotic Resolution Of Inflammation Leading To An Exaggerated Neointimal Development In Response To Vascular Injury.. <i>Circulation</i> , 2007, 116, .	1.6	0
87	Alignment-free Prediction of Ribonucleases using a Computational Chemistry approach: Comparison with HMM model and Isolation from <i>Schizosaccharomyces pombe</i> , Prediction, and Experimental assay of a new sequence. , 0, , .		0
88	Alignment-free Prediction of Ribonucleases using a Computational Chemistry approach: Comparison with HMM model and Isolation from <i>Schizosaccharomyces pombe</i> , Prediction, and Experimental assay of a new sequence. , 0, , .		0
89	Abstract 16456: Regulation of Vascular Smooth Muscle Phenotypic Switch and Suppression of Atherosclerosis by c-Kit/SCF Expression in Hyperlipidemic Mice. <i>Circulation</i> , 2015, 132, .	1.6	0
90	Abstract 16581: Pre-existing Venous Intimal Hyperplasia Explains Post-operative Neointima Growth but Fails to Predict Arteriovenous Fistula Failure: The Matched-pair Cohort Study. <i>Circulation</i> , 2015, 132, .	1.6	0

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91	Assessment of left ventricular mass changes after arteriovenous fistula surgical banding in end-stage renal disease. Saudi Journal of Kidney Diseases and Transplantation: an Official Publication of the Saudi Center for Organ Transplantation, Saudi Arabia, 2018, 29, 1280.	0.3	0
92	The role of c-Kit/sGC signaling axis in vascular reactivity and hypertension. FASEB Journal, 2018, 32, 864.14.	0.5	0
93	Abstract 14858: Conditional Deletion of Lysyl Oxidase Improves Vascular Function in Apoe ^{-/-} Mice. Circulation, 2020, 142, .	1.6	0
94	Abstract 15252: Ischemic-Trained Monocytes Improve Arteriogenesis During Hindlimb Ischemia. Circulation, 2020, 142, .	1.6	0
95	The outcomes of a novel two-stage proximal brachial artery to proximal basilic/brachial vein arteriovenous graft extension for dialysis access. Journal of Vascular Access, 2022, , 112972982210807.	0.9	0
96	Abstract 535: Stem Cell-Mediated Atherosclerosis Plaque Repair. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, .	2.4	0
97	Abstract 364: Loss Of Systemic C-kit Function Determines Atherosclerosis Burden In Hyperlipidemic Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, .	2.4	0