

Roberto F Nicosia

List of Publications by Year in descending order

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79
papers

4,295
citations

101543

36
h-index

110387

64
g-index

79
all docs

79
docs citations

79
times ranked

5596
citing authors

#	ARTICLE	IF	CITATIONS
1	NF- κ B Mediates α 2 β 1 Integrin-induced Endothelial Cell Survival. <i>Journal of Cell Biology</i> , 1998, 141, 1083-1093.	5.2	467
2	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , 2018, 21, 425-532.	7.2	429
3	Modulation of microvascular growth and morphogenesis by reconstituted basement membrane gel in three-dimensional cultures of rat aorta: A comparative study of angiogenesis in Matrigel, collagen, fibrin, and plasma clot. <i>In Vitro Cellular & Developmental Biology</i> , 1990, 26, 119-128.	1.0	206
4	Thrombospondin-1 Modulates Angiogenesis in Vitro by Up-Regulation of Matrix Metalloproteinase-9 in Endothelial Cells. <i>Experimental Cell Research</i> , 1997, 235, 403-412.	2.6	144
5	Delayed Graft Function and Cast Nephropathy Associated with Tacrolimus Plus Rapamycin Use. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 1037-1045.	6.1	143
6	Multicenter Clinicopathologic Correlation of Kidney Biopsies Performed in COVID-19 Patients Presenting With Acute Kidney Injury or Proteinuria. <i>American Journal of Kidney Diseases</i> , 2021, 77, 82-93.e1.	1.9	138
7	Fibronectin promotes the elongation of microvessels during angiogenesis in vitro. <i>Journal of Cellular Physiology</i> , 1993, 154, 654-661.	4.1	134
8	Histotypic angiogenesis in vitro: Light microscopic, ultrastructural, and radioautographic studies. <i>In Vitro</i> , 1982, 18, 538-549.	1.2	132
9	The role of thrombospondin-1 in tumor progression and angiogenesis. <i>BioEssays</i> , 1996, 18, 71-76.	2.5	108
10	Chapter 7 The Aortic Ring Model of Angiogenesis. <i>Methods in Enzymology</i> , 2008, 443, 119-136.	1.0	106
11	Spectrum of Renal Pathology in Hematopoietic Cell Transplantation. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2007, 2, 1014-1023.	4.5	100
12	The aortic ring model of angiogenesis: a quarter century of search and discovery. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 4113-4136.	3.6	98
13	Human Fetal Aorta Contains Vascular Progenitor Cells Capable of Inducing Vasculogenesis, Angiogenesis, and Myogenesis in Vitro and in a Murine Model of Peripheral Ischemia. <i>American Journal of Pathology</i> , 2007, 170, 1879-1892.	3.8	93
14	Human Vasculogenesis Ex Vivo: Embryonal Aorta as a Tool for Isolation of Endothelial Cell Progenitors. <i>Laboratory Investigation</i> , 2001, 81, 875-885.	3.7	85
15	The cytoskeletal framework of sea urchin eggs and embryos: Developmental changes in the association of messenger RNA. <i>Developmental Biology</i> , 1983, 95, 447-458.	2.0	83
16	Type I insulin-like growth factor receptor function in breast cancer. <i>Breast Cancer Research and Treatment</i> , 1998, 47, 255-267.	2.5	83
17	Angiopoietin-1 and vascular endothelial growth factor induce expression of inflammatory cytokines before angiogenesis. <i>Physiological Genomics</i> , 2006, 27, 20-28.	2.3	81
18	COVID-19 Vasculopathy: Mounting Evidence for an Indirect Mechanism of Endothelial Injury. <i>American Journal of Pathology</i> , 2021, 191, 1374-1384.	3.8	78

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19	Transforming Growth Factor- β 1 and CD105 Promote the Migration of Hepatocellular Carcinoma-Derived Endothelium. <i>Cancer Research</i> , 2008, 68, 8626-8634.	0.9	76
20	Rat aorta-derived mural precursor cells express the Tie2 receptor and respond directly to stimulation by angiotensins. <i>Journal of Cell Science</i> , 2003, 116, 3635-3643.	2.0	70
21	Modulation of Angiogenesis in Vitro by Laminin-Entactin Complex. <i>Developmental Biology</i> , 1994, 164, 197-206.	2.0	68
22	The Mouse Aorta Model: Influence of Genetic Background and Aging on bFGF- and VEGF-Induced Angiogenic Sprouting. <i>Angiogenesis</i> , 2003, 6, 193-199.	7.2	68
23	Interactions between newly formed endothelial channels and carcinoma cells in plasma clot culture. <i>Clinical and Experimental Metastasis</i> , 1986, 4, 91-104.	3.3	65
24	Regulation of Angiogenesis by Macrophages, Dendritic Cells, and Circulating Myelomonocytic Cells. <i>Current Pharmaceutical Design</i> , 2009, 15, 365-379.	1.9	65
25	Isolation of a morphologically and functionally distinct smooth muscle cell type from the intimal aspect of the normal rat aorta. Evidence for smooth muscle cell heterogeneity. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1994, 30, 589-595.	1.5	60
26	IgA nephropathy with crescents in kidney transplant recipients. <i>American Journal of Kidney Diseases</i> , 2005, 45, 167-175.	1.9	54
27	Large-vessel endothelium switches to a microvascular phenotype during angiogenesis in collagen gel culture of rat aorta. <i>Atherosclerosis</i> , 1992, 95, 191-199.	0.8	53
28	The Acute Phase Reactant Orosomucoid-1 Is a Bimodal Regulator of Angiogenesis with Time- and Context-Dependent Inhibitory and Stimulatory Properties. <i>PLoS ONE</i> , 2012, 7, e41387.	2.5	52
29	Macrophage Wnt-Calcineurin-Flt1 signaling regulates mouse wound angiogenesis and repair. <i>Blood</i> , 2013, 121, 2574-2578.	1.4	52
30	Isolation and characterization of vasoformative endothelial cells from the rat aorta. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1994, 30, 394-399.	1.5	50
31	Expression of thrombospondin-1 in human pancreatic adenocarcinomas: Role in matrix metalloproteinase-9 production. <i>Pathology and Oncology Research</i> , 2001, 7, 251-259.	1.9	50
32	Macrophage-Derived Tumor Necrosis Factor- β Is an Early Component of the Molecular Cascade Leading to Angiogenesis in Response to Aortic Injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1151-1159.	2.4	45
33	A New <i>ex vivo</i> Model to Study Venous Angiogenesis and Arterio-Venous Anastomosis Formation. <i>Journal of Vascular Research</i> , 2005, 42, 111-119.	1.4	43
34	Fibrillary Glomerulonephritis. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2019, 14, 1741-1750.	4.5	43
35	The Angiogenic Response of the Aorta to Injury and Inflammatory Cytokines Requires Macrophages. <i>Journal of Immunology</i> , 2008, 181, 5711-5719.	0.8	41
36	Paracrine regulation of angiogenesis by different cell types in the aorta ring model. <i>International Journal of Developmental Biology</i> , 2011, 55, 447-453.	0.6	39

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37	MCP-1 promotes mural cell recruitment during angiogenesis in the aortic ring model. <i>Angiogenesis</i> , 2010, 13, 219-226.	7.2	36
38	Regulation of angiogenesis, mural cell recruitment and adventitial macrophage behavior by Toll-like receptors. <i>Angiogenesis</i> , 2014, 17, 147-161.	7.2	35
39	Interstitial eosinophilic aggregates in diabetic nephropathy: allergy or not?. <i>Nephrology Dialysis Transplantation</i> , 2015, 30, 1370-1376.	0.7	33
40	Parstatin, the Cleaved Peptide on Proteinase-Activated Receptor 1 Activation, Is a Potent Inhibitor of Angiogenesis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 328, 378-389.	2.5	31
41	Technical Advance: The rat aorta contains resident mononuclear phagocytes with proliferative capacity and proangiogenic properties. <i>Journal of Leukocyte Biology</i> , 2010, 88, 1051-1059.	3.3	31
42	Angiogenesis and the formation of lymphaticlike channels in cultures of thoracic duct. <i>In Vitro Cellular & Developmental Biology</i> , 1987, 23, 167-174.	1.0	29
43	Hyperactive FOXO1 results in lack of tip stalk identity and deficient microvascular regeneration during kidney injury. <i>Biomaterials</i> , 2017, 141, 314-329.	11.4	28
44	Characterizing Viral Infection by Electron Microscopy. <i>American Journal of Pathology</i> , 2021, 191, 222-227.	3.8	27
45	Membranous Glomerulopathy With Spherules: An Uncommon Variant With Obscure Pathogenesis. <i>American Journal of Kidney Diseases</i> , 2006, 47, 983-992.	1.9	26
46	Regulation of Postangiogenic Neovessel Survival by α_1 and α_3 Integrins in Collagen and Fibrin Matrices. <i>Journal of Vascular Research</i> , 2007, 44, 40-50.	1.4	25
47	Combined crystalline podocytopathy and tubulopathy associated with multiple myeloma. <i>Human Pathology</i> , 2014, 45, 875-879.	2.0	21
48	Diffuse Proliferative Glomerulonephritis Associated With Cetuximab, an Epidermal Growth Factor Receptor Inhibitor. <i>American Journal of Kidney Diseases</i> , 2013, 61, 988-991.	1.9	20
49	Influence of Growth Factors on Proliferation and Morphogenesis of Rabbit Ovarian Mesothelial Cells in Vitro. <i>Biology of Reproduction</i> , 1996, 54, 660-669.	2.7	19
50	The Rat Aortic Ring Model of Angiogenesis. <i>Methods in Molecular Biology</i> , 2015, 1214, 255-264.	0.9	19
51	Am I a coronavirus?. <i>Kidney International</i> , 2020, 98, 506-507.	5.2	18
52	Urinary angiostatin levels are elevated in patients with epithelial ovarian cancer. <i>Gynecologic Oncology</i> , 2010, 117, 117-124.	1.4	17
53	Parallel Murine and Human Plaque Proteomics Reveals Pathways of Plaque Rupture. <i>Circulation Research</i> , 2020, 127, 997-1022.	4.5	17
54	Digital spatial profiling of collapsing glomerulopathy. <i>Kidney International</i> , 2022, 101, 1017-1026.	5.2	14

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55	Production and characterization of a Tie2 agonist monoclonal antibody. <i>Angiogenesis</i> , 2001, 4, 29-36.	7.2	12
56	Hypoxia paradoxically inhibits the angiogenic response of isolated vessel explants while inducing overexpression of vascular endothelial growth factor. <i>Angiogenesis</i> , 2016, 19, 133-146.	7.2	12
57	The plaque-aortic ring assay: a new method to study human atherosclerosis-induced angiogenesis. <i>Angiogenesis</i> , 2019, 22, 421-431.	7.2	12
58	Rhabdomyosarcoma of the paranasal sinuses in an adult. <i>Clinical Imaging</i> , 1995, 19, 234-236.	1.5	11
59	Renal ApoA-1 Amyloidosis with Glu34Lys Mutation and Intra-amyloid Lipid Accumulation. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 2703-2705.	6.1	11
60	An anti-major histocompatibility complex class I intrabody protects endothelial cells from an attack by immune mediators. <i>Cardiovascular Research</i> , 2006, 72, 331-338.	3.8	10
61	Collapsing Glomerulopathy Associated With Natural Killer Cell Leukemia: A Case Report and Review of the Literature. <i>American Journal of Kidney Diseases</i> , 2011, 58, 855-859.	1.9	10
62	IgA-dominant glomerulonephritis with a membranoproliferative pattern of injury. <i>Human Pathology</i> , 2018, 81, 272-280.	2.0	10
63	Rat Aortic Ring Assay of Angiogenesis. , 2004, , 125-144.		9
64	Neonatal intestinal perforation caused by intestinal muscularis defect associated with vascular ectasia. <i>The Journal of Maternal-fetal Medicine</i> , 1996, 5, 18-21.	0.3	7
65	Fine-needle aspiration cytology of idiopathic pancreatic islet cell adenosis. <i>Diagnostic Cytopathology</i> , 1993, 9, 453-456.	1.0	6
66	Thrombospondin 1 and Its Specific Cysteine-Serine-Valine-Threonine-Cysteine-Glycine Receptor in Fetal Wounds. <i>Annals of Plastic Surgery</i> , 1999, 42, 553-563.	0.9	6
67	An Unusual Case of Urticaria and Nephrotic Syndrome. <i>American Journal of Kidney Diseases</i> , 2006, 48, 506-512.	1.9	5
68	Aortic rings stimulate inflammatory angiogenesis in a subcutaneous implant in vivo model. <i>Angiogenesis</i> , 2007, 10, 287-295.	7.2	5
69	Preparation and Analysis of Aortic Ring Cultures for the Study of Angiogenesis Ex Vivo. , 2012, , 127-148.		5
70	The Aortic Ring Assay and Its Use for the Study of Tumor Angiogenesis. <i>Methods in Molecular Biology</i> , 2016, 1464, 63-72.	0.9	4
71	SCNH2 is a novel apelinergic family member acting as a potent mitogenic and chemotactic factor for both endothelial and epithelial cells. <i>Open Journal of Clinical Diagnostics</i> , 2013, 03, 37-51.	0.3	3
72	A Diverse Spectrum of Immune Complex- and Complement-Mediated Kidney Diseases Is Associated With Mantle Cell Lymphoma. <i>Kidney International Reports</i> , 2022, 7, 568-579.	0.8	3

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73	Immunotactoid Glomerulopathy of 10-Yearsâ€™ Duration: Insights Gained From Sequential Biopsies. <i>Kidney International Reports</i> , 2017, 2, 978-983.	0.8	2
74	Ring formation in cultures of rat aortic smooth muscle cells. <i>In Vitro Cellular & Developmental Biology</i> , 1992, 28, 703-704.	1.0	1
75	Expression of TGF-Alpha and c-fos in Conventional and Basaloid Squamous Cell Carcinoma of Floor of Mouth. <i>International Journal of Surgical Pathology</i> , 1996, 3, 169-174.	0.8	1
76	Intracapillary monoclonal deposits disease due to B-cell non-Hodgkin lymphoma: A case report and review of the literature. <i>Journal of Onco-Nephrology</i> , 2018, 2, 102-106.	0.6	1
77	Endogenous Regulation of Angiogenesis in Vitro. , 1998, , 285-296.		1
78	Sacral Tumor with Neuroendocrine Differentiation. <i>Ultrastructural Pathology</i> , 1991, 15, 197-201.	0.9	0
79	Early Transplant Arteriopathy in Kidney Transplantation. <i>Transplantation Proceedings</i> , 2021, 53, 1554-1561.	0.6	0