

Roberto Pola

List of Publications by Year in descending order

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115
papers

7,159
citations

94269

37
h-index

56606

83
g-index

125
all docs

125
docs citations

125
times ranked

10924
citing authors

#	ARTICLE	IF	CITATIONS
1	A variant associated with nicotine dependence, lung cancer and peripheral arterial disease. <i>Nature</i> , 2008, 452, 638-642.	13.7	1,399
2	The same sequence variant on 9p21 associates with myocardial infarction, abdominal aortic aneurysm and intracranial aneurysm. <i>Nature Genetics</i> , 2008, 40, 217-224.	9.4	668
3	The morphogen Sonic hedgehog is an indirect angiogenic agent upregulating two families of angiogenic growth factors. <i>Nature Medicine</i> , 2001, 7, 706-711.	15.2	583
4	Angiogenesis as a Novel Component of Inflammatory Bowel Disease Pathogenesis. <i>Gastroenterology</i> , 2006, 130, 2060-2073.	0.6	339
5	Sonic hedgehog myocardial gene therapy: tissue repair through transient reconstitution of embryonic signaling. <i>Nature Medicine</i> , 2005, 11, 1197-1204.	15.2	286
6	Reversal of experimental diabetic neuropathy by VEGF gene transfer. <i>Journal of Clinical Investigation</i> , 2001, 107, 1083-1092.	3.9	271
7	Postnatal Recapitulation of Embryonic Hedgehog Pathway in Response to Skeletal Muscle Ischemia. <i>Circulation</i> , 2003, 108, 479-485.	1.6	197
8	Genome-wide association study identifies a sequence variant within the DAB2IP gene conferring susceptibility to abdominal aortic aneurysm. <i>Nature Genetics</i> , 2010, 42, 692-697.	9.4	181
9	Venous thromboembolism in patients with COVID-19: Systematic review and meta-analysis. <i>Thrombosis Research</i> , 2020, 196, 67-74.	0.8	178
10	Proinflammatory Genetic Profiles in Subjects With History of Ischemic Stroke. <i>Stroke</i> , 2004, 35, 2270-2275.	1.0	151
11	Apolipoprotein(a) Genetic Sequence Variants Associated With Systemic Atherosclerosis and Coronary Atherosclerotic Burden But Not With Venous Thromboembolism. <i>Journal of the American College of Cardiology</i> , 2012, 60, 722-729.	1.2	149
12	Homocysteine Triggers Mucosal Microvascular Activation in Inflammatory Bowel Disease. <i>American Journal of Gastroenterology</i> , 2005, 100, 886-895.	0.2	119
13	Sonic hedgehog regulates angiogenesis and myogenesis during postnatal skeletal muscle regeneration. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 2424-2435.	1.6	115
14	Sonic Hedgehog Induces Arteriogenesis in Diabetic Vasa Nervorum and Restores Function in Diabetic Neuropathy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 2102-2107.	1.1	106
15	Selective Activation of Peroxisome Proliferator-Activated Receptor (PPAR) α and PPAR β Induces Neoangiogenesis Through a Vascular Endothelial Growth Factor-Dependent Mechanism. <i>Diabetes</i> , 2008, 57, 1394-1404.	0.3	106
16	Synergistic Effect of \sim 174 G/C Polymorphism of the Interleukin-6 Gene Promoter and 469 E/K Polymorphism of the Intercellular Adhesion Molecule-1 Gene in Italian Patients With History of Ischemic Stroke. <i>Stroke</i> , 2003, 34, 881-885.	1.0	102
17	Incidence of deep vein thrombosis among non-ICU patients hospitalized for COVID-19 despite pharmacological thromboprophylaxis. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 2358-2363.	1.9	96
18	Dynamic light scattering for the characterization and counting of extracellular vesicles: a powerful noninvasive tool. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	88

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19	The $\hat{\sim}$ 174 G/C Polymorphism of the Interleukin-6 Gene Promoter is Associated with Peripheral Artery Occlusive Disease. <i>European Journal of Vascular and Endovascular Surgery</i> , 2002, 24, 264-268.	0.8	87
20	Venous thromboembolism in COVID-19 patients. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 1516-1517.	1.9	85
21	Comparative analysis of the in vivo angiogenic properties of stable prostacyclin analogs: a possible role for peroxisome proliferator-activated receptors. <i>Journal of Molecular and Cellular Cardiology</i> , 2004, 36, 363-370.	0.9	77
22	Influence of Growth Hormone Receptor d3 and Full-Length Isoforms on Biochemical Treatment Outcomes in Acromegaly. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 2015-2022.	1.8	69
23	The $\hat{\sim}$ 74 G/C polymorphism of the interleukin-6 gene promoter is associated with Alzheimer's disease in an Italian population. <i>NeuroReport</i> , 2002, 13, 1645-1647.	0.6	61
24	Age-dependent VEGF expression and intraneural neovascularization during regeneration of peripheral nerves. <i>Neurobiology of Aging</i> , 2004, 25, 1361-1368.	1.5	61
25	Single nucleotide polymorphisms associated with sporadic brain arteriovenous malformations: where do we stand?. <i>Brain</i> , 2013, 136, 665-681.	3.7	61
26	Pro-inflammatory genetic profiles in subjects with peripheral arterial occlusive disease and critical limb ischemia. <i>Journal of Internal Medicine</i> , 2007, 262, 124-130.	2.7	56
27	The K469E polymorphism of the ICAM-1 gene is a risk factor for peripheral arterial occlusive disease. <i>Blood Coagulation and Fibrinolysis</i> , 2002, 13, 483-488.	0.5	51
28	Monocyte chemoattractant protein-1 (MCP-1) gene polymorphism and risk of Alzheimer's disease in Italians. <i>Experimental Gerontology</i> , 2004, 39, 1249-1252.	1.2	51
29	Association Between Helicobacter Pylori Cytotoxic Type I Caga-Positive Strains and Migraine with Aura. <i>Cephalalgia</i> , 2000, 20, 561-565.	1.8	50
30	Abdominal Aortic Aneurysm in Normotensive Patients: Association with Angiotensin-converting Enzyme Gene Polymorphism. <i>European Journal of Vascular and Endovascular Surgery</i> , 2001, 21, 445-449.	0.8	50
31	CagA-positive cytotoxic H. pylori strains as a link between plaque instability and atherosclerotic stroke. <i>European Heart Journal</i> , 2004, 25, 64-68.	1.0	50
32	Angiogenic Impairment of the Vascular Endothelium. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2867-2876.	1.1	50
33	$\hat{\sim}$ 174 G/C interleukin-6 gene polymorphism and increased risk of multi-infarct dementia: a case-control study. <i>Experimental Gerontology</i> , 2002, 37, 949-955.	1.2	47
34	Interleukin-6 gene polymorphism and risk of osteoarthritis of the hip: a case-control study. <i>Osteoarthritis and Cartilage</i> , 2005, 13, 1025-1028.	0.6	45
35	Efficient bone formation by gene transfer of human LIM mineralization protein-3. <i>Gene Therapy</i> , 2004, 11, 683-693.	2.3	42
36	Pleiotropic Beneficial Effects of Sonic Hedgehog Gene Therapy in an Experimental Model of Peripheral Limb Ischemia. <i>Molecular Therapy</i> , 2011, 19, 658-666.	3.7	40

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37	Vascular endothelial growth factor (VEGF) expression in noise-induced hearing loss. <i>Hearing Research</i> , 2006, 214, 76-83.	0.9	38
38	Responsiveness to cholinesterase inhibitors in Alzheimer's disease: A possible role for the 192 Q/R polymorphism of the PON-1 gene. <i>Neuroscience Letters</i> , 2005, 382, 338-341.	1.0	35
39	Venous thromboembolism and heparin use in COVID-19 patients: juggling between pragmatic choices, suggestions of medical societies and the lack of guidelines. <i>Journal of Thrombosis and Thrombolysis</i> , 2020, 50, 68-71.	1.0	35
40	Lack of Association between Alzheimer's Disease and Gln-Arg 192 Q/R Polymorphism of the PON-1 Gene in an Italian Population. <i>Dementia and Geriatric Cognitive Disorders</i> , 2003, 15, 88-91.	0.7	32
41	Peroxisome Proliferator-Activated Receptor Alpha Is Crucial for Iloprost-Induced in vivo Angiogenesis and Vascular Endothelial Growth Factor Upregulation. <i>Journal of Vascular Research</i> , 2009, 46, 103-108.	0.6	32
42	Combined Therapy with Sonic Hedgehog Gene Transfer and Bone Marrow-Derived Endothelial Progenitor Cells Enhances Angiogenesis and Myogenesis in the Ischemic Skeletal Muscle. <i>Journal of Vascular Research</i> , 2012, 49, 425-431.	0.6	32
43	Intercellular adhesion molecule-1 K469E gene polymorphism and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2003, 24, 385-387.	1.5	31
44	Age-dependent modifications of expression level of VEGF and its receptors in the inner ear. <i>Experimental Gerontology</i> , 2004, 39, 1253-1258.	1.2	31
45	Sonic Hedgehog Therapy in a Mouse Model of Age-Associated Impairment of Skeletal Muscle Regeneration. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69A, 245-252.	1.7	31
46	Risk of intracranial bleeding in patients with primary brain cancer receiving therapeutic anticoagulation for venous thromboembolism: A meta-analysis. <i>Brain and Behavior</i> , 2020, 10, e01638.	1.0	30
47	Genome-wide association study of sporadic brain arteriovenous malformations. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 916-923.	0.9	29
48	Enhanced oxidative stress in workers with a standing occupation. <i>Occupational and Environmental Medicine</i> , 2004, 61, 548-550.	1.3	27
49	Stress proteins in Alzheimer's disease. <i>International Journal of Hyperthermia</i> , 2005, 21, 421-431.	1.1	27
50	Analysis of Functional Polymorphisms of Metalloproteinase Genes in Persons With Vascular Dementia and Alzheimer's Disease. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006, 61, 1065-1069.	1.7	27
51	Sonic hedgehog gene therapy increases the ability of the dystrophic skeletal muscle to regenerate after injury. <i>Gene Therapy</i> , 2014, 21, 413-421.	2.3	27
52	Primary Headache and Helicobacter Pylori. <i>International Journal of Angiology</i> , 1998, 7, 310-312.	0.2	24
53	Association between Altered Circadian Blood Pressure Profile and Cardiac End-Organ Damage in Patients with Renovascular Hypertension. <i>Cardiology</i> , 2003, 100, 114-119.	0.6	23
54	Hyperhomocyst(e)inemia impairs angiogenesis in a murine model of limb ischemia. <i>Vascular Medicine</i> , 2005, 10, 15-22.	0.8	23

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55	HepPar1-Positive Circulating Microparticles Are Increased in Subjects with Hepatocellular Carcinoma and Predict Early Recurrence after Liver Resection. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1043.	1.8	22
56	Frequency-modulated electromagnetic neural stimulation enhances cutaneous microvascular flow in patients with diabetic neuropathy. <i>Journal of Diabetes and Its Complications</i> , 2009, 23, 46-48.	1.2	19
57	Long Saphenous Vein Stripping Reduces Local Level of Reactive Oxygen Metabolites in Patients with Varicose Disease of the Lower Limbs. <i>World Journal of Surgery</i> , 2003, 27, 473-475.	0.8	18
58	Association between intercellular adhesion molecule-1 E/K gene polymorphism and probable vascular dementia in humans. <i>Neuroscience Letters</i> , 2002, 326, 171-174.	1.0	17
59	Sonic Hedgehog Signaling Pathway in Endothelial Progenitor Cell Biology for Vascular Medicine. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3040.	1.8	16
60	Upper extremity deep vein thrombosis treated with direct oral anticoagulants: a multi-center real world experience. <i>Journal of Thrombosis and Thrombolysis</i> , 2020, 50, 355-360.	1.0	16
61	Peripheral nerve ischemia: apolipoprotein E deficiency results in impaired functional recovery and reduction of associated intraneural angiogenic response. <i>Experimental Neurology</i> , 2003, 184, 264-273.	2.0	14
62	Polymorphisms of the Macrophage Inhibitory Factor and C-Reactive Protein Genes in Subjects with Alzheimer's Dementia. <i>Dementia and Geriatric Cognitive Disorders</i> , 2004, 18, 261-264.	0.7	14
63	Prevalence of the K469E polymorphism of intercellular adhesion molecule 1 gene in Italian patients with inflammatory bowel disease. <i>Digestive and Liver Disease</i> , 2004, 36, 528-532.	0.4	14
64	Combined Effect of Inflammatory Gene Polymorphisms and the Risk of Ischemic Stroke in a Prospective Cohort of Subjects With Type 2 Diabetes: A Go-DARTS Study. <i>Diabetes</i> , 2010, 59, 2945-2948.	0.3	14
65	Association between the rs1333040 polymorphism on the chromosomal 9p21 locus and sporadic brain arteriovenous malformations. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 1059-1062.	0.9	14
66	Association between Polymorphisms rs1333040 and rs7865618 of Chromosome 9p21 and Sporadic Brain Arteriovenous Malformations. <i>Cerebrovascular Diseases</i> , 2014, 37, 290-295.	0.8	14
67	A two-layered classifier based on the radial basis function for the screening of thalassaemia. <i>Computers in Biology and Medicine</i> , 2013, 43, 1724-1731.	3.9	13
68	Controversies in venous thromboembolism: the unique case of isolated distal deep vein thrombosis. <i>Internal and Emergency Medicine</i> , 2016, 11, 775-779.	1.0	13
69	Inflammatory markers for ischaemic stroke. <i>Thrombosis and Haemostasis</i> , 2009, 101, 800-801.	1.8	13
70	Microparticles Carrying Sonic Hedgehog Are Increased in Humans with Peripheral Artery Disease. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3954.	1.8	12
71	Common Statin Intolerance Variants in ABCB1 and LILRB5 Show Synergistic Effects on Statin Response: An Observational Study Using Electronic Health Records. <i>Frontiers in Genetics</i> , 2021, 12, 713181.	1.1	12
72	Scurvy: A Disease not to be Forgotten. <i>Nutrition in Clinical Practice</i> , 2021, 36, 1063-1067.	1.1	12

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73	Anticoagulant treatment for upper extremity deep vein thrombosis: A systematic review and meta-analysis. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 661-670.	1.9	11
74	Coagulation factor XIII Val34Leu gene polymorphism and Alzheimer's disease. <i>Neurological Research</i> , 2006, 28, 807-809.	0.6	10
75	Antithrombotic Therapy in Hereditary Hemorrhagic Telangiectasia: Real-World Data from the Gemelli Hospital HHT Registry. <i>Journal of Clinical Medicine</i> , 2020, 9, 1699.	1.0	10
76	Angiotensin-Converting Enzyme Gene Polymorphism May Influence Blood Loss in a Geriatric Population Undergoing Total Hip Arthroplasty. <i>Journal of the American Geriatrics Society</i> , 2002, 50, 2025-2028.	1.3	9
77	Late haemodynamic and functional consequences of radial artery removal on the forearm circulation. <i>International Journal of Cardiology</i> , 2008, 129, 255-258.	0.8	9
78	The Hedgehog Signaling Pathway in Ischemic Tissues. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5270.	1.8	9
79	Raynaud's Phenomenon and Helicobacter Pylori Infection. <i>International Journal of Angiology</i> , 1998, 7, 307-309.	0.2	9
80	Effect of ischemia-reperfusion on heat shock protein 70 and 90 gene expression in rat liver: relation to nutritional status. <i>Digestive Diseases and Sciences</i> , 1998, 43, 2601-2605.	1.1	8
81	Microparticles Produced by Activated Platelets Carry a Potent and Functionally Active Angiogenic Signal in Subjects with Crohn's Disease. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2921.	1.8	8
82	Incidence of deep vein thrombosis among non-ICU patients hospitalized for COVID-19 despite pharmacological thromboprophylaxis: Response from original authors Pola et al. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 3110-3111.	1.9	8
83	High-dose versus low-dose venous thromboprophylaxis in hospitalized patients with COVID-19: a systematic review and meta-analysis. <i>Internal and Emergency Medicine</i> , 2022, 17, 1817-1825.	1.0	8
84	Tumoral calcinosis. <i>Lancet, The</i> , 2002, 359, 1818.	6.3	7
85	Antithrombotic therapy and intracranial bleeding in subjects with sporadic brain arteriovenous malformations: preliminary results from a retrospective study. <i>Internal and Emergency Medicine</i> , 2018, 13, 1227-1232.	1.0	7
86	Safety of antithrombotic therapy in subjects with hereditary hemorrhagic telangiectasia: prospective data from a multidisciplinary working group. <i>Orphanet Journal of Rare Diseases</i> , 2019, 14, 298.	1.2	7
87	Hereditary haemorrhagic telangiectasia: A disease not to be forgotten during the COVID-19 pandemic. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 1799-1801.	1.9	7
88	Sonic hedgehog is expressed in human brain arteriovenous malformations and induces arteriovenous malformations in vivo. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 324-335.	2.4	7
89	Treatment of Ischemic Ulcers of the Lower Limbs with Alprostadil (Prostaglandin E1). <i>Dermatologic Surgery</i> , 2004, 30, 1113-1117.	0.4	6
90	Serum macrophage migration inhibitory factor (MIF) in the intercritical phase of hereditary periodic fevers and its relationship with the MIF-173G/C polymorphism. <i>Scandinavian Journal of Rheumatology</i> , 2007, 36, 307-310.	0.6	6

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91	Endothelial Progenitor Cells and Angiogenesis Join the PPARty. <i>Circulation Research</i> , 2008, 103, 7-9.	2.0	6
92	Pulmonary Embolism in COVID-19 Patients: Which Diagnostic Algorithm Should We Use?. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 714003.	1.1	6
93	Differences in Clinical Presentation, Rate of Pulmonary Embolism, and Risk Factors Among Patients With Deep Vein Thrombosis in Unusual Sites. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2019, 25, 107602961987255.	0.7	5
94	CT Pulmonary Angiography for the Diagnosis of Pulmonary Embolism in Patients with COVID-19: When, Why, and for Who?. <i>Radiology</i> , 2021, 299, E287-E287.	3.6	4
95	EFFICACY OF ILOPROST IN NONEXUDATIVE, AGE-RELATED MACULAR DEGENERATION. <i>Journal of the American Geriatrics Society</i> , 2000, 48, 1350-1351.	1.3	3
96	Distribution of Cerebrovascular Phenotypes According to Variants of the ENG and ACVRL1 Genes in Subjects with Hereditary Hemorrhagic Telangiectasia. <i>Journal of Clinical Medicine</i> , 2022, 11, 2685.	1.0	3
97	A Single Center Retrospective Cohort Study Comparing Different Anticoagulants for the Treatment of Catheter-Related Thrombosis of the Upper Extremities in Women With Gynecologic and Breast Cancer. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	3
98	Follow-up management of patients receiving direct oral anticoagulants. <i>Internal and Emergency Medicine</i> , 2021, 16, 571-580.	1.0	2
99	Iloprost for Age-Related Macular Degeneration: Long-Term Efficacy Evaluation. <i>Journal of the American Geriatrics Society</i> , 2002, 50, 780-781.	1.3	1
100	V1-V2-V3-V4 T wave inversion: left or right ventricle?. <i>BMJ Case Reports</i> , 2013, 2013, bcr2013200331-bcr2013200331.	0.2	1
101	Diagnostic and prognostic role of circulating microparticles in hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2018, 68, 200-202.	1.8	1
102	The 9p21 Rs 1333040 polymorphism is associated with coronary microvascular obstruction in ST-segment elevation myocardial infarction treated by primary angioplasty. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2019, 8, 703-707.	0.4	1
103	Arteriovenous malformations: the newest Sonic hedgehog game in the postnatal brain. <i>Neural Regeneration Research</i> , 2021, 16, 996.	1.6	1
104	Second wave of the COVID-19 pandemic: D-dimer levels are not so high anymore. <i>Journal of Thrombosis and Thrombolysis</i> , 2021, 52, 779-781.	1.0	1
105	Prevalence of pulmonary embolism on hospital admission in COVID-19 patients: is there a role for pre-test probability scores and home treatment?. <i>European Respiratory Journal</i> , 2021, 58, 2100785.	3.1	1
106	Beneficial Effects of Remote Medical Care for Patients with Hereditary Hemorrhagic Telangiectasia during the COVID-19 Pandemic. <i>Journal of Clinical Medicine</i> , 2021, 10, 2311.	1.0	1
107	No evidence of increased rate of thrombotic recurrences in patients with history of venous thromboembolism after vaccination for COVID-19. <i>Thrombosis Research</i> , 2022, 214, 44-46.	0.8	1
108	Hydatid cyst of the spine. <i>Lancet Infectious Diseases</i> , The, 2005, 5, 732.	4.6	0

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109	Tu1327 FREMS (Frequency Rhythmic Electrical Modulation System) for Inflammatory Bowel Diseases: Results From an Experimental Model of Acute Inflammatory Colitis. <i>Gastroenterology</i> , 2012, 142, S-803-S-804.	0.6	0
110	831 The Sonic Hedgehog (SHH) Signaling Pathway: A Novel Player and Potential Therapeutic Target for Biliary Obstruction. <i>Gastroenterology</i> , 2012, 142, S-930.	0.6	0
111	P023 Therapy with FREMS (Frequency Rhythmic Electrical Modulation System). <i>Journal of Crohn's and Colitis</i> , 2013, 7, S19.	0.6	0
112	Thromboprophylaxis in patients with stroke: A delicate decision. <i>European Journal of Internal Medicine</i> , 2014, 25, e93-e94.	1.0	0
113	A rare case of tertiary syphilis spondylodiscitis of the upper cervical spine: Diagnostic and therapeutic complexity, review of literature. <i>Orthopedic Reviews</i> , 2020, 12, 8675.	0.3	0
114	Abstract 2178: Sonic Hedgehog In Adult Hypoxic Cerebellum. <i>Circulation</i> , 2007, 116, .	1.6	0
115	Angiogenic and Vasculogenic Effects of Sonic Hedgehog Gene Therapy In An Experimental Model of Peripheral Limb Ischemia. <i>Blood</i> , 2010, 116, 563-563.	0.6	0