Peter J Polverini

List of Publications by Year
in descending order

60 papers	8,612 citations	109311 35 h-index	168376 53 g-index
61 all docs	61 docs citations	61 times ranked	7192 citing authors

#	Article	IF	Citations
1	Macrophage-induced angiogenesis is mediated by tumour necrosis factor-Î±. Nature, 1987, 329, 630-632.	27.8	1,175
2	The Functional Role of the ELR Motif in CXC Chemokine-mediated Angiogenesis. Journal of Biological Chemistry, 1995, 270, 27348-27357.	3.4	1,084
3	Activated macrophages induce vascular proliferation. Nature, 1977, 269, 804-806.	27.8	794
4	Angiogenesis mediated by soluble forms of E-selectin and vascular cell adhesion molecule-1. Nature, 1995, 376, 517-519.	27.8	604
5	Vascular Endothelial Growth Factor (VEGF)-Mediated Angiogenesis Is Associated with Enhanced Endothelial Cell Survival and Induction of Bcl-2 Expression. American Journal of Pathology, 1999, 154, 375-384.	3.8	591
6	Regulation of the activity of a new inhibitor of angiogenesis by a cancer suppressor gene. Cell, 1989, 56, 345-355.	28.9	446
7	Release of an inhibitor of angiogenesis upon induction of wild type p53 expression in glioblastoma cells. Nature Genetics, 1994, 8, 171-176.	21.4	313
8	Engineering and Characterization of Functional Human Microvessels in Immunodeficient Mice. Laboratory Investigation, 2001, 81, 453-463.	3.7	280
9	Inhibition of angiogenesis by tissue inhibitor of metalloproteinase. Journal of Cellular Physiology, 1994, 160, 194-202.	4.1	267
10	Transforming growth factor-beta (TGFÎ²) is chemotactic for human monocytes and induces their expression of angiogenic activity. Biochemical and Biophysical Research Communications, 1988, 157, 793-800.	2.1	231
11	Role of C-X-C chemokines as regulators of angiogenesis in lung cancer. Journal of Leukocyte Biology, 1995, 57, 752-762.	3.3	222
12	Thrombospondin-1 Induces Endothelial Cell Apoptosis and Inhibits Angiogenesis by Activating the Caspase Death Pathway. Journal of Vascular Research, 2000, 37, 209-218.	1.4	207
13	Engineering vascular networks in porous polymer matrices. Journal of Biomedical Materials Research Part B, 2002, 60, 668-678.	3.1	207
14	Role of Vascular Endothelial Growth Factor in Bone Marrow Stromal Cell Modulation of Endothelial Cells. Tissue Engineering, 2003, 9, 95-103.	4.6	181
15	The Unfolded Protein Response Induces the Angiogenic Switch in Human Tumor Cells through the PERK/ATF4 Pathway. Cancer Research, 2012, 72, 5396-5406.	0.9	160
16	p38 MAPK Mediates Î³-Irradiation-induced Endothelial Cell Apoptosis, and Vascular Endothelial Growth Factor Protects Endothelial Cells through the Phosphoinositide 3-Kinase-Akt-Bcl-2 Pathway. Journal of Biological Chemistry, 2004, 279, 43352-43360.	3.4	137
17	Stimulation of neovascularization by human rheumatoid synovial tissue macrophages. Arthritis and Rheumatism, 1986, 29, 471-479.	6.7	125
18	Neuregulin activation of ErbB receptors in vascular endothelium leads to angiogenesis. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H2205-H2211.	3.2	114

#	Article	IF	Citations
19	HPV16 drives cancer immune escape via NLRX1-mediated degradation of STING. Journal of Clinical Investigation, 2020, 130, 1635-1652.	8.2	104
20	Bcl-2 Acts in a Proangiogenic Signaling Pathway through Nuclear Factor-Î¹B and CXC Chemokines. Cancer Research, 2005, 65, 5063-5069.	0.9	101
21	Downregulation of Endothelial Cell Thrombospondin 1 Enhances in vitro Angiogenesis. Journal of Vascular Research, 1994, 31, 178-185.	1.4	98
22	Epstein-Barr Virus Lytic Infection Is Required for Efficient Production of the Angiogenesis Factor Vascular Endothelial Growth Factor in Lymphoblastoid Cell Lines. Journal of Virology, 2005, 79, 13984-13992.	3.4	93
23	Induction of Neovascularization by Activated Human Monocytes. Journal of Leukocyte Biology, 1986, 39, 233-238.	3.3	92
24	Interleukin-8 and Growth-Regulated Oncogene Alpha Mediate Angiogenesis in Kaposi's Sarcoma. Journal of Virology, 2002, 76, 11570-11583.	3.4	79
25	Angiogenesis in Health and Disease: Insights into Basic Mechanisms and Therapeutic Opportunities. Journal of Dental Education, 2002, 66, 962-975.	1.2	68
26	Src and phosphatidylinositol 3â€“kinase mediate soluble E-selectinâ€“induced angiogenesis. Blood, 2003, 101, 3960-3968.	1.4	67
27	Assay and purification of naturally occurring inhibitor of angiogenesis. Methods in Enzymology, 1991, 198, 440-450.	1.0	62
28	Ley/H: An Endothelial-Selective, Cytokine-Inducible, Angiogenic Mediator. Journal of Immunology, 2000, 164, 4868-4877.	0.8	60
29	Role of endothelial cell survival and death signals in angiogenesis. Angiogenesis, 1999, 3, 101-116.	7.2	54
30	HGF/SF in Angiogenesis. Novartis Foundation Symposium, 1997, 212, 215-229.	1.1	45
31	Inhibition of production of macrophage-derived angiogenic activity by the anti-rheumatic agents gold sodium thiomalate and auranofin. Biochemical and Biophysical Research Communications, 1988, 154, 205-212.	2.1	42
32	Inhibition of angiogenesis by the antineoplastic agents mitoxantrone and bisantrene. Biochemical and Biophysical Research Communications, 1986, 140, 901-907.	2.1	40
33	Glucose-Regulated Protein 78 (Grp78) Confers Chemoresistance to Tumor Endothelial Cells under Acidic Stress. PLoS ONE, 2014, 9, e101053.	2.5	40
34	[14] In vitro and in vivo systems to assess role of Cî—¸Xî—¸C chemokines in regulation of angiogenesis. Methods in Enzymology, 1997, 288, 190-220.	1.0	37
35	Angiogenesis in health and disease: insights into basic mechanisms and therapeutic opportunities. Journal of Dental Education, 2002, 66, 962-75.	1.2	36
36	Angiogenesis induced by tumor necrosis factor-agr; is mediated by alpha4 integrins. Angiogenesis, 1998, 2, 265-275.	7.2	35

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37	Expression of the angiogenic phenotype by a subpopulation of keratinocytes derived from 7,12-dimethylbenz[a]anthracene-initiated hamster buccal pouch epithelium. Carcinogenesis, 1988, 9, 117-122.	2.8	29
38	CXC chemokines mechanism of action in regulating tumor angiogenesis. Angiogenesis, 1998, 2, 123-134.	7.2	29
39	Induction of Neovascularization and Nonlymphoid Mesenchymal Cell Proliferation by Macrophage Cell Lines. Journal of Leukocyte Biology, 1985, 37, 279-288.	3.3	28
40	The response of VEGF-stimulated endothelial cells to angiostatic molecules is substrate-dependent. BMC Cell Biology, 2005, 6, 38.	3.0	27
41	The IL-6R and Bmi-1 axis controls self-renewal and chemoresistance of head and neck cancer stem cells. Cell Death and Disease, 2021, 12, 988.	6.3	27
42	A Curriculum for the New Dental Practitioner: Preparing Dentists for a Prospective Oral Health Care Environment. American Journal of Public Health, 2012, 102, e1-e3.	2.7	23
43	UM-HACC-2A: MYB-NFIB fusion-positive human adenoid cystic carcinoma cell line. Oral Oncology, 2018, 87, 21-28.	1.5	23
44	Research and Discovery Science and the Future of Dental Education and Practice. Journal of Dental Education, 2017, 81, eS97-eS107.	1.2	21
45	Decreased monocyte-mediated angiogenesis in scleroderma. Clinical Immunology and Immunopathology, 1992, 64, 153-160.	2.0	20
46	Integrative and collaborative care models between pediatric oral health and primary care providers: a scoping review of the literature. Journal of Public Health Dentistry, 2018, 78, 246-256.	1.2	19
47	Angiogenesis and wound healing: basic discoveries, clinical implications, and therapeutic opportunities. Endodontic Topics, 2011, 24, 130-145.	0.5	12
48	Quantification of human angiogenesis in immunodeficient mice using a photon counting-based method. BioTechniques, 2007, 43, 73-77.	1.8	10
49	Role of the Macrophage in the Regulation of Physiological and Pathological Angiogenesis. , 1992, , 43-53.		9
50	Personalized medicine and the future of dental practice. Personalized Medicine, 2018, 15, 449-451.	1.5	8
51	Resistant keratinocytes in 7,12-dimethylbenz[a]anthracene-initiated hamster buccal pouch epithelium. Carcinogenesis, 1991, 12, 617-622.	2.8	7
52	Active Smoking Induces Aberrations in Digestive Tract Microbiota of Rats. Frontiers in Cellular and Infection Microbiology, 2021, 11, 737204.	3.9	7
53	Oral Health Research and Scholarship in 2040: Executive Summary. Journal of Dental Education, 2017, 81, 1137-1143.	1.2	6
54	Why Integrating Research and Scholarship into Dental Education Matters. Journal of Dental Education, 2014, 78, 332-333.	1.2	5

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55	Growth of Human Blood Vessels in Severe Combined Immunodefi cient Mice: A New In Vivo Model System of Angiogenesis. , 2003, 78, 161-178.		3
56	Contribution of the Extracellular Matrix and Macrophages in Angiogenesis. , 1999, , 65-75.		3
57	C-X-C Chemokines and Lung Cancer Angiogenesis. , 1999, , 143-167.		2
58	Inhibitors of Neovascularization: Critical Mediators in the Coordinate Regulation of Angiogenesis. , 1994, , 29-37.		1
59	The Role of Thrombospondin in Angiogenesis. , 1996, , 105-113.		1
60	Chapter 5 Tumor angiogenesis and its control by tumor suppressor genes. Advances in Oncobiology, 1996, , 99-117.	0.0	0