Yihai Cao

List of Publications by Year in descending order

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216 papers	25,310 citations	5248 83 h-index	7333 152 g-index
217 all docs	217 docs citations	217 times ranked	31606 citing authors

#	Article	IF	Citations
1	Monitoring Drug Target Engagement in Cells and Tissues Using the Cellular Thermal Shift Assay. Science, 2013, 341, 84-87.	6.0	1,444
2	Angiogenic synergism, vascular stability and improvement of hind-limb ischemia by a combination of PDGF-BB and FGF-2. Nature Medicine, 2003, 9, 604-613.	15.2	677
3	Proteolytic processing regulates receptor specificity and activity of VEGF-C. EMBO Journal, 1997, 16, 3898-3911.	3.5	669
4	Adiponectin-induced antiangiogenesis and antitumor activity involve caspase-mediated endothelial cell apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2476-2481.	3.3	658
5	Novel concept of the smart NIR-lightâ€"controlled drug release of black phosphorus nanostructure for cancer therapy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 501-506.	3.3	657
6	Inhibitory PAS domain protein is a negative regulator of hypoxia-inducible gene expression. Nature, 2001, 414, 550-554.	13.7	609
7	Angiogenesis inhibited by drinking tea. Nature, 1999, 398, 381-381.	13.7	600
8	Angiogenesis modulates adipogenesis and obesity. Journal of Clinical Investigation, 2007, 117, 2362-2368.	3.9	582
9	Genomic instability in laminopathy-based premature aging. Nature Medicine, 2005, 11, 780-785.	15.2	579
10	PDGF-BB induces intratumoral lymphangiogenesis and promotes lymphatic metastasis. Cancer Cell, 2004, 6, 333-345.	7.7	480
11	Kringle Domains of Human Angiostatin. Journal of Biological Chemistry, 1996, 271, 29461-29467.	1.6	335
12	Adipose tissue angiogenesis as a therapeutic target for obesity and metabolic diseases. Nature Reviews Drug Discovery, 2010, 9, 107-115.	21.5	334
13	Hypoxia-Independent Angiogenesis in Adipose Tissues during Cold Acclimation. Cell Metabolism, 2009, 9, 99-109.	7.2	317
14	Suppression of angiogenesis, tumor growth, and wound healing by resveratrol, a natural compound in red wine and grapes. FASEB Journal, 2001, 15, 1798-1800.	0.2	308
15	Deletion of the Laminin Î±4 Chain Leads to Impaired Microvessel Maturation. Molecular and Cellular Biology, 2002, 22, 1194-1202.	1.1	308
16	Angiogenesis Inhibitor, TNP-470, Prevents Diet-Induced and Genetic Obesity in Mice. Circulation Research, 2004, 94, 1579-1588.	2.0	294
17	Blockade of vascular endothelial growth factor receptor-3 signaling inhibits fibroblast growth factor-2-induced lymphangiogenesis in mouse cornea. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8868-8873.	3.3	287
18	Emerging mechanisms of tumour lymphangiogenesis and lymphatic metastasis. Nature Reviews Cancer, 2005, 5, 735-743.	12.8	277

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19	Comparative Evaluation of FGF-2â€“, VEGF-Aâ€“, and VEGF-Câ€“Induced Angiogenesis, Lymphangiogenesis, Vascular Fenestrations, and Permeability. Circulation Research, 2004, 94, 664-670.	2.0	276
20	Heterodimers of Placenta Growth Factor/Vascular Endothelial Growth Factor. Journal of Biological Chemistry, 1996, 271, 3154-3162.	1.6	262
21	Adipocyte and lipid metabolism in cancer drug resistance. Journal of Clinical Investigation, 2019, 129, 3006-3017.	3.9	262
22	Kringle 5 of Plasminogen is a Novel Inhibitor of Endothelial Cell Growth. Journal of Biological Chemistry, 1997, 272, 22924-22928.	1.6	259
23	Angiogenic factors FGF2 and PDGF-BB synergistically promote murine tumor neovascularization and metastasis. Journal of Clinical Investigation, 2007, 117, 2766-2777.	3.9	254
24	Angiogenesis and Vascular Functions in Modulation of Obesity, Adipose Metabolism, and Insulin Sensitivity. Cell Metabolism, 2013, 18, 478-489.	7.2	252
25	Positive and Negative Modulation of Angiogenesis by VEGFR1 Ligands. Science Signaling, 2009, 2, re1.	1.6	248
26	Pericyteâ€“fibroblast transition promotes tumor growth and metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5618-27.	3.3	246
27	In situ sprayed NIR-responsive, analgesic black phosphorus-based gel for diabetic ulcer treatment. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28667-28677.	3.3	244
28	VEGF-B is dispensable for blood vessel growth but critical for their survival, and VEGF-B targeting inhibits pathological angiogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6152-6157.	3.3	243
29	A materials-science perspective on tackling COVID-19. Nature Reviews Materials, 2020, 5, 847-860.	23.3	228
30	Insulin-like growth factors 1 and 2 induce lymphangiogenesis in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15593-15598.	3.3	225
31	The metastasis-associated Mts1(S100A4) protein could act as an angiogenic factor. Oncogene, 2001, 20, 4685-4695.	2.6	222
32	Hypoxia-induced pathological angiogenesis mediates tumor cell dissemination, invasion, and metastasis in a zebrafish tumor model. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 19485-19490.	3.3	220
33	CD163+ macrophages promote angiogenesis and vascular permeability accompanied by inflammation in atherosclerosis. Journal of Clinical Investigation, 2018, 128, 1106-1124.	3.9	209
34	Angiogenesis stimulated by PDGFâ€CC, a novel member in the PDGF family, involves activation of PDGFRâ€aa and â€ap receptors. FASEB Journal, 2002, 16, 1575-1583.	0.2	201
35	Interleukinâ€18 acts as an angiogenesis and tumor suppressor. FASEB Journal, 1999, 13, 2195-2202.	0.2	194
36	Cancer Lipid Metabolism Confers Antiangiogenic Drug Resistance. Cell Metabolism, 2018, 28, 104-117.e5.	7.2	191

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37	CCL2 and CCL5 Are Novel Therapeutic Targets for Estrogen-Dependent Breast Cancer. Clinical Cancer Research, 2015, 21, 3794-3805.	3.2	190
38	Impaired Angiogenesis, Delayed Wound Healing and Retarded Tumor Growth in Perlecan Heparan Sulfate-Deficient Mice. Cancer Research, 2004, 64, 4699-4702.	0.4	189
39	Collaborative interplay between FGF-2 and VEGF-C promotes lymphangiogenesis and metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15894-15899.	3.3	188
40	Prominent expression of acidic fibroblast growth factor in motor and sensory neurons. Neuron, 1991, 7, 349-364.	3.8	184
41	Cold Exposure Promotes Atherosclerotic Plaque Growth and Instability via UCP1-Dependent Lipolysis. Cell Metabolism, 2013, 18, 118-129.	7.2	184
42	Forty-Year Journey of Angiogenesis Translational Research. Science Translational Medicine, 2011, 3, 114rv3.	5.8	181
43	Placenta Growth Factor-1 antagonizes VEGF-induced angiogenesis and tumor growth by the formation of functionally inactive PlGF-1/VEGF heterodimers. Cancer Cell, 2002, 1, 99-108.	7.7	177
44	Hepatocyte growth factor is a lymphangiogenic factor with an indirect mechanism of action. Blood, 2006, 107, 3531-3536.	0.6	174
45	R Regulation of tumor angiogenesis and metastasis by FGF and PDGF signaling pathways. Journal of Molecular Medicine, 2008, 86, 785-789.	1.7	173
46	Deletion of neuropeptide Y (NPY) 2 receptor in mice results in blockage of NPY-induced angiogenesis and delayed wound healing. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6033-6038.	3.3	171
47	Macrophage-targeted nanomedicine for the diagnosis and treatment of atherosclerosis. Nature Reviews Cardiology, 2022, 19, 228-249.	6.1	171
48	Vascular Endothelial Growth Factor-A Promotes Peritumoral Lymphangiogenesis and Lymphatic Metastasis. Cancer Research, 2005, 65, 9261-9268.	0.4	170
49	Placenta Growth Factor: Identification and Characterization of a Novel Isoform Generated by RNA Alternative Splicing. Biochemical and Biophysical Research Communications, 1997, 235, 493-498.	1.0	165
50	Cold-induced activation of brown adipose tissue and adipose angiogenesis in mice. Nature Protocols, 2012, 7, 606-615.	5.5	162
51	Placenta growth factor stimulates MAP kinase and mitogenicity but not phospholipase C-Î³ and migration of endothelial cells expressing Flt 1. Oncogene, 1998, 16, 359-367.	2.6	156
52	Antiangiogenic mechanisms of diet-derived polyphenols. Journal of Nutritional Biochemistry, 2002, 13, 380-390.	1.9	151
53	Multifarious functions of PDGFs and PDGFRs in tumor growth and metastasis. Trends in Molecular Medicine, 2013, 19, 460-473.	3.5	151
54	Vascular Endothelial Growth Factor-Bâ€“Deficient Mice Display an Atrial Conduction Defect. Circulation, 2001, 104, 358-364.	1.6	150

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55	TNFR1 mediates TNF-Î±-induced tumour lymphangiogenesis and metastasis by modulating VEGF-C-VEGFR3 signalling. Nature Communications, 2014, 5, 4944.	5.8	144
56	VEGF-B inhibits apoptosis via VEGFR-1â€“mediated suppression of the expression of BH3-only protein genes in mice and rats. Journal of Clinical Investigation, 2008, 118, 913-23.	3.9	144
57	Differential roles of PDGFRâ€Î± and PDGFRâ€Î² in angiogenesis and vessel stability. FASEB Journal, 2009, 23, 153-163.	0.2	143
58	Mutant p53â€“associated myosin-X upregulation promotes breast cancer invasion and metastasis. Journal of Clinical Investigation, 2014, 124, 1069-1082.	3.9	133
59	Eradication of tumor growth by delivering novel photothermal selenium-coated tellurium nanoheterojunctions. Science Advances, 2020, 6, eaay6825.	4.7	126
60	Hypoxia-Induced Retinal Angiogenesis in Zebrafish as a Model to Study Retinopathy. PLoS ONE, 2008, 3, e2748.	1.1	125
61	Filamin B deficiency in mice results in skeletal malformations and impaired microvascular development. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3919-3924.	3.3	118
62	Novel Mechanism of Macrophage-Mediated Metastasis Revealed in a Zebrafish Model of Tumor Development. Cancer Research, 2015, 75, 306-315.	0.4	117
63	The PDGF-BB-SOX7 axis-modulated IL-33 in pericytes and stromal cells promotes metastasis through tumour-associated macrophages. Nature Communications, 2016, 7, 11385.	5.8	117
64	Combination Angiostatin and Endostatin Gene Transfer Induces Synergistic Antiangiogenic Activity in Vitro and Antitumor Efficacy in Leukemia and Solid Tumors in Mice. Molecular Therapy, 2001, 3, 186-196.	3.7	115
65	VEGF-B promotes cancer metastasis through a VEGF-Aâ€“independent mechanism and serves as a marker of poor prognosis for cancer patients. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2900-9.	3.3	112
66	Small GTP-Binding Protein Rac Is an Essential Mediator of Vascular Endothelial Growth Factor-Induced Endothelial Fenestrations and Vascular Permeability. Circulation, 2003, 107, 1532-1538.	1.6	110
67	Survival effect of PDGF-CC rescues neurons from apoptosis in both brain and retina by regulating GSK3Î² phosphorylation. Journal of Experimental Medicine, 2010, 207, 867-880.	4.2	110
68	Anti-VEGFâ€“ and anti-VEGF receptorâ€“induced vascular alteration in mouse healthy tissues. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12018-12023.	3.3	110
69	Embryonic Stem Cell-Derived Embryoid Bodies Development in Collagen Gels Recapitulates Sprouting Angiogenesis. Laboratory Investigation, 2001, 81, 1669-1681.	1.7	109
70	Hypoxia-induced metastasis model in embryonic zebrafish. Nature Protocols, 2010, 5, 1911-1918.	5.5	109
71	Angiotensin-converting enzyme 2 attenuates atherosclerotic lesions by targeting vascular cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15886-15891.	3.3	109
72	Combinatorial protein therapy of angiogenic and arteriogenic factors remarkably improves collaterogenesis and cardiac function in pigs. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12140-12145.	3.3	103

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73	A Novel Gene Expression Profile in Lymphatics Associated with Tumor Growth and Nodal Metastasis. Cancer Research, 2008, 68, 7293-7303.	0.4	103
74	Genome-wide Profiling of AP-1â€“Regulated Transcription Provides Insights into the Invasiveness of Triple-Negative Breast Cancer. Cancer Research, 2014, 74, 3983-3994.	0.4	103
75	Antiangiogenic cancer therapy. Seminars in Cancer Biology, 2004, 14, 139-145.	4.3	102
76	VEGFR1â€“mediated pericyte ablation links VEGF and PlGF to cancer-associated retinopathy. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 856-861.	3.3	101
77	Efficacy and tolerability of bevacizumab in patients with severe Covid-19. Nature Communications, 2021, 12, 814.	5.8	101
78	Update on therapeutic neovascularization. Cardiovascular Research, 2005, 65, 639-648.	1.8	95
79	FOXC2 controls Ang-2 expression and modulates angiogenesis, vascular patterning, remodeling, and functions in adipose tissue. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10167-10172.	3.3	95
80	Tumour PDGF-BB expression levels determine dual effects of anti-PDGF drugs on vascular remodelling and metastasis. Nature Communications, 2013, 4, 2129.	5.8	94
81	Regorafenib induces lethal autophagy arrest by stabilizing PSAT1 in glioblastoma. Autophagy, 2020, 16, 106-122.	4.3	91
82	VEGF-targeted cancer therapeuticsâ€”paradoxical effects in endocrine organs. Nature Reviews Endocrinology, 2014, 10, 530-539.	4.3	89
83	Discontinuation of anti-VEGF cancer therapy promotes metastasis through a liver revascularization mechanism. Nature Communications, 2016, 7, 12680.	5.8	89
84	Inflammatory cell-derived CXCL3 promotes pancreatic cancer metastasis through a novel myofibroblast-hijacked cancer escape mechanism. Gut, 2022, 71, 129-147.	6.1	88
85	Intravesical delivery of KDM6A -mRNA via mucoadhesive nanoparticles inhibits the metastasis of bladder cancer. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	87
86	Arteriogenic Therapy by Intramyocardial Sustained Delivery of a Novel Growth Factor Combination Prevents Chronic Heart Failure. Circulation, 2011, 124, 1059-1069.	1.6	84
87	Endothelial PDGF-CC regulates angiogenesis-dependent thermogenesis in beige fat. Nature Communications, 2016, 7, 12152.	5.8	84
88	Tumor angiogenesis and molecular targets for therapy. Frontiers in Bioscience - Landmark, 2009, Volume, 3962.	3.0	83
89	Molecular mechanisms of IL-33â€“mediated stromal interactions in cancer metastasis. JCI Insight, 2018, 3, .	2.3	82
90	MicroRNA-26a and -26b inhibit lens fibrosis and cataract by negatively regulating Jagged-1/Notch signaling pathway. Cell Death and Differentiation, 2017, 24, 1431-1442.	5.0	78

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91	Basic FGF is present in dopaminergic neurons of the ventral midbrain of the rat. NeuroReport, 1991, 2, 597-600.	0.6	77
92	Endothelial Cell Surface ATP Synthase-Triggered Caspase-Apoptotic Pathway Is Essential for K1-5-Induced Antiangiogenesis. Cancer Research, 2004, 64, 3679-3686.	0.4	77
93	Glutaredoxin regulates vascular development by reversible glutathionylation of sirtuin 1. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20057-20062.	3.3	77
94	Hypoxia-induced retinopathy model in adult zebrafish. Nature Protocols, 2010, 5, 1903-1910.	5.5	76
95	Mouse corneal lymphangiogenesis model. Nature Protocols, 2011, 6, 817-826.	5.5	75
96	Angiostatin. Seminars in Thrombosis and Hemostasis, 2004, 30, 83-93.	1.5	74
97	The impact of VEGF on cancer metastasis and systemic disease. Seminars in Cancer Biology, 2022, 86, 251-261.	4.3	73
98	Aneuploidy-Cancer Predisposition Syndromes: A New Link between the Mitotic Spindle Checkpoint and Cancer. Cell Cycle, 2005, 4, 228-230.	1.3	72
99	Apelin inhibition prevents resistance and metastasis associated with antiâ€angiogenic therapy. EMBO Molecular Medicine, 2019, 11, e9266.	3.3	72
100	A Zebrafish Model Discovers a Novel Mechanism of Stromal Fibroblast-Mediated Cancer Metastasis. Clinical Cancer Research, 2017, 23, 4769-4779.	3.2	71
101	Anti-VEGF agents confer survival advantages to tumor-bearing mice by improving cancer-associated systemic syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18513-18518.	3.3	70
102	MT1-MMP Inactivates ADAM9 to Regulate FGFR2 Signaling and Calvarial Osteogenesis. Developmental Cell, 2012, 22, 1176-1190.	3.1	70
103	PDGF-CC blockade inhibits pathological angiogenesis by acting on multiple cellular and molecular targets. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12216-12221.	3.3	69
104	Macrophage K63-Linked Ubiquitination of YAP Promotes Its Nuclear Localization and Exacerbates Atherosclerosis. Cell Reports, 2020, 32, 107990.	2.9	68
105	Optimizing the Delivery of Cancer Drugs That Block Angiogenesis. Science Translational Medicine, 2010, 2, 15ps3.	5.8	67
106	Targeting PDGFâ€mediated recruitment of pericytes blocks vascular mimicry and tumor growth. Journal of Pathology, 2018, 246, 447-458.	2.1	67
107	Adipose angiogenesis: quantitative methods to study microvessel growth, regression and remodeling in vivo. Nature Protocols, 2010, 5, 912-920.	5.5	66
108	MT1-MMP sheds LYVE-1 on lymphatic endothelial cells and suppresses VEGF-C production to inhibit lymphangiogenesis. Nature Communications, 2016, 7, 10824.	5.8	66

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109	Ablation of endothelial VEGFR1 improves metabolic dysfunction by inducing adipose tissue browning. Journal of Experimental Medicine, 2018, 215, 611-626.	4.2	66
110	Malignant cell-derived PlGF promotes normalization and remodeling of the tumor vasculature. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17505-17510.	3.3	65
111	Selective Inhibition of Retinal Angiogenesis by Targeting PI3 Kinase. PLoS ONE, 2009, 4, e7867.	1.1	65
112	Vascular Endothelial Growth Factor-A and Platelet-Derived Growth Factor-B Combination Gene Therapy Prolongs Angiogenic Effects via Recruitment of Interstitial Mononuclear Cells and Paracrine Effects Rather Than Improved Pericyte Coverage of Angiogenic Vessels. Circulation Research, 2008, 103, 1092-1099.	2.0	64
113	Kringle Structures and Antiangiogenesis. Anti-Cancer Agents in Medicinal Chemistry, 2002, 2, 667-681.	7.0	63
114	Direct Role of PDGF-BB in Lymphangiogenesis and Lymphatic Metastasis. Cell Cycle, 2005, 4, 231-233.	1.3	62
115	Therapeutic Targets of Multiple Angiogenic Factors for the Treatment of Cancer and Metastasis. Advances in Cancer Research, 2007, 97, 203-224.	1.9	62
116	Therapeutic paradigm of dual targeting VEGF and PDGF for effectively treating FGF-2 off-target tumors. Nature Communications, 2020, 11, 3704.	5.8	62
117	Vascular endothelial growth factor-dependent spatiotemporal dual roles of placental growth factor in modulation of angiogenesis and tumor growth. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13932-13937.	3.3	61
118	IL-20 is an arteriogenic cytokine that remodels collateral networks and improves functions of ischemic hind limbs. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15364-15369.	3.3	59
119	Human Plasmin Enzymatic Activity Is Inhibited by Chemically Modified Dextrans. Journal of Biological Chemistry, 2000, 275, 29383-29390.	1.6	58
120	Neurokinin-1 receptor is an effective target for treating leukemia by inducing oxidative stress through mitochondrial calcium overload. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19635-19645.	3.3	58
121	Pathological angiogenesis facilitates tumor cell dissemination and metastasis. Cell Cycle, 2010, 9, 913-917.	1.3	57
122	Tumor cell-derived placental growth factor sensitizes antiangiogenic and antitumor effects of anti-VEGF drugs. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 654-659.	3.3	57
123	Hypoxia-induced and calpain-dependent cleavage of filamin A regulates the hypoxic response. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2560-2565.	3.3	56
124	Characterization of neuroprogenitor cells expressing the PDGF Î²-receptor within the subventricular zone of postnatal mice. Molecular and Cellular Neurosciences, 2008, 37, 507-518.	1.0	55
125	Molecular Mechanisms and Therapeutic Development of Angiogenesis Inhibitors. Advances in Cancer Research, 2008, 100, 113-131.	1.9	55
126	Improvement of antiangiogenic cancer therapy by understanding the mechanisms of angiogenic factor interplay and drug resistance. Seminars in Cancer Biology, 2009, 19, 338-343.	4.3	55

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127	A facile and general method for synthesis of antibiotic-free protein-based hydrogel: Wound dressing for the eradication of drug-resistant bacteria and biofilms. Bioactive Materials, 2022, 18, 446-458.	8.6	54
128	Environmental changes in oxygen tension reveal ROS-dependent neurogenesis and regeneration in the adult newt brain. ELife, 2015, 4, .	2.8	53
129	Continuous Intravascular Secretion of Endostatin in Mice from Transduced Hematopoietic Stem Cells. Molecular Therapy, 2002, 5, 345-351.	3.7	52
130	Modulation of age-related insulin sensitivity by VEGF-dependent vascular plasticity in adipose tissues. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14906-14911.	3.3	52
131	A miR-327â€“FGF10â€“FGFR2-mediated autocrine signaling mechanism controls white fat browning. Nature Communications, 2017, 8, 2079.	5.8	52
132	Blockage of VEGF-Induced Angiogenesis by Preventing VEGF Secretion. Circulation Research, 2004, 94, 1443-1450.	2.0	51
133	Cell-Type-Specific Regulation of Degradation of Hypoxia-Inducible Factor 1Î±: Role of Subcellular Compartmentalization. Molecular and Cellular Biology, 2006, 26, 4628-4641.	1.1	51
134	A review of Judah Folkman's remarkable achievements in biomedicine. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13203-13205.	3.3	51
135	Nitric oxide permits hypoxia-induced lymphatic perfusion by controlling arterial-lymphatic conduits in zebrafish and glass catfish. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18408-18413.	3.3	51
136	Antiangiogenic agents significantly improve survival in tumor-bearing mice by increasing tolerance to chemotherapy-induced toxicity. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4117-4122.	3.3	50
137	Off-tumor targetâ€”beneficial site for antiangiogenic cancer therapy?. Nature Reviews Clinical Oncology, 2010, 7, 604-608.	12.5	49
138	Resveratrol analogue 4,4â€²-dihydroxy-trans-stilbene potently inhibits cancer invasion and metastasis. Scientific Reports, 2016, 6, 19973.	1.6	46
139	VEGF-B is a potent antioxidant. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10351-10356.	3.3	46
140	Bladder drug mirabegron exacerbates atherosclerosis through activation of brown fat-mediated lipolysis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10937-10942.	3.3	46
141	Photochemically induced focal cerebral ischemia in rat: time dependent and global increase in expression of basic fibroblast growth factor mRNA. Brain Research, 1993, 625, 45-56.	1.1	45
142	Estrogen Receptor Î± Promotes Breast Cancer by Reprogramming Choline Metabolism. Cancer Research, 2016, 76, 5634-5646.	0.4	45
143	Nano-immunotherapy: Unique mechanisms of nanomaterials in synergizing cancer immunotherapy. Nano Today, 2021, 36, 101023.	6.2	45
144	Intra- and extracellular signaling by endothelial neuregulin-1. Experimental Cell Research, 2007, 313, 2896-2909.	1.2	42

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145	Future options of anti-angiogenic cancer therapy. Chinese Journal of Cancer, 2016, 35, 21.	4.9	42
146	Dual roles of endothelial FGF-2â€“FGFR1â€“PDGF-BB and perivascular FGF-2â€“FGFR2â€“PDGFRÎ² signaling pathways in tumor vascular remodeling. Cell Discovery, 2018, 4, 3.	3.1	42
147	Molecular identity of human limbal heterogeneity involved in corneal homeostasis and privilege. Ocular Surface, 2021, 21, 206-220.	2.2	42
148	Immortalization of bovine capillary endothelial cells by hTERT alone involves inactivation of endogenous p16 INK4A /pRb. FASEB Journal, 2003, 17, 764-766.	0.2	40
149	Human Acidic Fibroblast Growth Factor Overexpressed in Insect Cells Is Not Secreted into the Medium. Growth Factors, 1990, 3, 1-13.	0.5	39
150	Invasiveness and metastasis of retinoblastoma in an orthotopic zebrafish tumor model. Scientific Reports, 2015, 5, 10351.	1.6	39
151	Deletion of Laminin-8 Results in Increased Tumor Neovascularization and Metastasis in Mice. Cancer Research, 2004, 64, 4059-4063.	0.4	38
152	Clock controls angiogenesis. Cell Cycle, 2013, 12, 405-408.	1.3	37
153	Erythropoietin in cancer: a dilemma in risk therapy. Trends in Endocrinology and Metabolism, 2013, 24, 190-199.	3.1	35
154	Prodrugâ€Loaded Zirconium Carbide Nanosheets as a Novel Biophotonic Nanoplatform for Effective Treatment of Cancer. Advanced Science, 2020, 7, 2001191.	5.6	35
155	Angiogenesis: What can it offer for future medicine?. Experimental Cell Research, 2010, 316, 1304-1308.	1.2	33
156	VEGF-B-Neuropilin-1 signaling is spatiotemporally indispensable for vascular and neuronal development in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5944-53.	3.3	33
157	A specific RIP3 ⁺ subpopulation of microglia promotes retinopathy through a hypoxia-triggered necroptotic mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	33
158	Tumor-derived lymphangiogenic factors and lymphatic metastasis. Biomedicine and Pharmacotherapy, 2007, 61, 534-539.	2.5	32
159	Visualization of human T lymphocyte-mediated eradication of cancer cells in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22910-22919.	3.3	32
160	Fibroblast growth factors enhance dopamine fiber formation from nigral grafts. Developmental Brain Research, 1993, 75, 65-73.	2.1	30
161	Release and Subcellular Localization of Acidic Fibroblast Growth Factor Expressed to High Levels in HeLa Cells. Growth Factors, 1993, 8, 277-290.	0.5	30
162	Antiangiogenic cancer therapy: why do mouse and human patients respond in a different way to the same drug?. International Journal of Developmental Biology, 2011, 55, 557-562.	0.3	30

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163	Angiogenesis as a Therapeutic Target for Obesity and Metabolic Diseases. Chemical Immunology and Allergy, 2014, 99, 170-179.	1.7	30
164	Critical role of caveolin-1 in ocular neovascularization and multitargeted antiangiogenic effects of cavtratin via JNK. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10737-10742.	3.3	30
165	Zebrafish models to study hypoxia-induced pathological angiogenesis in malignant and nonmalignant diseases. Birth Defects Research Part C: Embryo Today Reviews, 2011, 93, 182-193.	3.6	29
166	VEGFR2-Mediated Vascular Dilation as a Mechanism of VEGF-Induced Anemia and Bone Marrow Cell Mobilization. Cell Reports, 2014, 9, 569-580.	2.9	28
167	Maintenance of antiangiogenic and antitumor effects by orally active low-dose capecitabine for long-term cancer therapy. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5226-E5235.	3.3	28
168	Statin-AE: a novel angiostatin-endostatin fusion protein with enhanced antiangiogenic and antitumor activity. Angiogenesis, 2001, 4, 263-268.	3.7	27
169	Aldehyde Dehydrogenase 2 Protects Against Post-Cardiac Arrest Myocardial Dysfunction Through a Novel Mechanism of Suppressing Mitochondrial Reactive Oxygen Species Production. Frontiers in Pharmacology, 2020, 11, 373.	1.6	27
170	Decreased Expression of Vascular Endothelial Growth Factor Receptor 1 Contributes to the Pathogenesis of Hereditary Hemorrhagic Telangiectasia Type 2. Circulation, 2018, 138, 2698-2712.	1.6	26
171	Why and How Do Tumors Stimulate Lymphangiogenesis?. Lymphatic Research and Biology, 2008, 6, 145-148.	0.5	25
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