

Yihai Cao

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211
papers

19,958
citations

77
h-index

137
g-index

217
ext. papers

22,556
ext. citations

12
avg, IF

6.98
L-index

#	Paper	IF	Citations
211	Monitoring drug target engagement in cells and tissues using the cellular thermal shift assay. <i>Science</i> , 2013 , 341, 84-7	33.3	982
210	Proteolytic processing regulates receptor specificity and activity of VEGF-C. <i>EMBO Journal</i> , 1997 , 16, 3898-911	13	613
209	Angiogenic synergism, vascular stability and improvement of hind-limb ischemia by a combination of PDGF-BB and FGF-2. <i>Nature Medicine</i> , 2003 , 9, 604-13	50.5	607
208	Adiponectin-induced antiangiogenesis and antitumor activity involve caspase-mediated endothelial cell apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 2476-81	11.5	586
207	Inhibitory PAS domain protein is a negative regulator of hypoxia-inducible gene expression. <i>Nature</i> , 2001 , 414, 550-4	50.4	525
206	Novel concept of the smart NIR-light-controlled drug release of black phosphorus nanostructure for cancer therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 501-506	11.5	518
205	Angiogenesis inhibited by drinking tea. <i>Nature</i> , 1999 , 398, 381	50.4	510
204	Genomic instability in laminopathy-based premature aging. <i>Nature Medicine</i> , 2005 , 11, 780-5	50.5	498
203	Angiogenesis modulates adipogenesis and obesity. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2362-8	15.9	496
202	PDGF-BB induces intratumoral lymphangiogenesis and promotes lymphatic metastasis. <i>Cancer Cell</i> , 2004 , 6, 333-45	24.3	427
201	Adipose tissue angiogenesis as a therapeutic target for obesity and metabolic diseases. <i>Nature Reviews Drug Discovery</i> , 2010 , 9, 107-15	64.1	281
200	Krigle domains of human angiostatin. Characterization of the anti-proliferative activity on endothelial cells. <i>Journal of Biological Chemistry</i> , 1996 , 271, 29461-7	5.4	279
199	Suppression of angiogenesis, tumor growth, and wound healing by resveratrol, a natural compound in red wine and grapes. <i>FASEB Journal</i> , 2001 , 15, 1798-800	0.9	279
198	Blockade of vascular endothelial growth factor receptor-3 signaling inhibits fibroblast growth factor-2-induced lymphangiogenesis in mouse cornea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 8868-73	11.5	261
197	Angiogenesis inhibitor, TNP-470, prevents diet-induced and genetic obesity in mice. <i>Circulation Research</i> , 2004 , 94, 1579-88	15.7	259
196	Deletion of the laminin alpha4 chain leads to impaired microvessel maturation. <i>Molecular and Cellular Biology</i> , 2002 , 22, 1194-202	4.8	256
195	Hypoxia-independent angiogenesis in adipose tissues during cold acclimation. <i>Cell Metabolism</i> , 2009 , 9, 99-109	24.6	251

194	Opinion: emerging mechanisms of tumour lymphangiogenesis and lymphatic metastasis. <i>Nature Reviews Cancer</i> , 2005 , 5, 735-43	31.3	249
193	Comparative evaluation of FGF-2-, VEGF-A-, and VEGF-C-induced angiogenesis, lymphangiogenesis, vascular fenestrations, and permeability. <i>Circulation Research</i> , 2004 , 94, 664-70	15.7	229
192	Heterodimers of placenta growth factor/vascular endothelial growth factor. Endothelial activity, tumor cell expression, and high affinity binding to Flk-1/KDR. <i>Journal of Biological Chemistry</i> , 1996 , 271, 3154-62	5.4	229
191	Angiogenic factors FGF2 and PDGF-BB synergistically promote murine tumor neovascularization and metastasis. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2766-77	15.9	224
190	Kringle 5 of plasminogen is a novel inhibitor of endothelial cell growth. <i>Journal of Biological Chemistry</i> , 1997 , 272, 22924-8	5.4	212
189	VEGF-B is dispensable for blood vessel growth but critical for their survival, and VEGF-B targeting inhibits pathological angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 6152-7	11.5	208
188	Hypoxia-induced pathological angiogenesis mediates tumor cell dissemination, invasion, and metastasis in a zebrafish tumor model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 19485-90	11.5	204
187	Insulin-like growth factors 1 and 2 induce lymphangiogenesis in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 15593-8	11.5	204
186	The metastasis-associated Mts1(S100A4) protein could act as an angiogenic factor. <i>Oncogene</i> , 2001 , 20, 4685-95	9.2	200
185	Positive and negative modulation of angiogenesis by VEGFR1 ligands. <i>Science Signaling</i> , 2009 , 2, re1	8.8	195
184	Angiogenesis and vascular functions in modulation of obesity, adipose metabolism, and insulin sensitivity. <i>Cell Metabolism</i> , 2013 , 18, 478-89	24.6	190
183	Angiogenesis stimulated by PDGF-CC, a novel member in the PDGF family, involves activation of PDGFR-alphaalpha and -alphabetareceptors. <i>FASEB Journal</i> , 2002 , 16, 1575-83	0.9	184
182	Prominent expression of acidic fibroblast growth factor in motor and sensory neurons. <i>Neuron</i> , 1991 , 7, 349-64	13.9	175
181	Interleukin-18 acts as an angiogenesis and tumor suppressor. <i>FASEB Journal</i> , 1999 , 13, 2195-202	0.9	170
180	Impaired angiogenesis, delayed wound healing and retarded tumor growth in perlecan heparan sulfate-deficient mice. <i>Cancer Research</i> , 2004 , 64, 4699-702	10.1	165
179	Placenta growth factor-1 antagonizes VEGF-induced angiogenesis and tumor growth by the formation of functionally inactive PlGF-1/VEGF heterodimers. <i>Cancer Cell</i> , 2002 , 1, 99-108	24.3	162
178	Collaborative interplay between FGF-2 and VEGF-C promotes lymphangiogenesis and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15894-9	11.5	160
177	Hepatocyte growth factor is a lymphangiogenic factor with an indirect mechanism of action. <i>Blood</i> , 2006 , 107, 3531-6	2.2	157

176	Vascular endothelial growth factor-a promotes peritumoral lymphangiogenesis and lymphatic metastasis. <i>Cancer Research</i> , 2005 , 65, 9261-8	10.1	154
175	Placenta growth factor: identification and characterization of a novel isoform generated by RNA alternative splicing. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 235, 493-8	3.4	150
174	Pericyte-fibroblast transition promotes tumor growth and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E5618-27	11.5	150
173	Cold exposure promotes atherosclerotic plaque growth and instability via UCP1-dependent lipolysis. <i>Cell Metabolism</i> , 2013 , 18, 118-29	24.6	148
172	Deletion of neuropeptide Y (NPY) 2 receptor in mice results in blockage of NPY-induced angiogenesis and delayed wound healing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 6033-8	11.5	148
171	Forty-year journey of angiogenesis translational research. <i>Science Translational Medicine</i> , 2011 , 3, 114rv317.5	17.5	144
170	Placenta growth factor stimulates MAP kinase and mitogenicity but not phospholipase C-gamma and migration of endothelial cells expressing Flt 1. <i>Oncogene</i> , 1998 , 16, 359-67	9.2	142
169	R Regulation of tumor angiogenesis and metastasis by FGF and PDGF signaling pathways. <i>Journal of Molecular Medicine</i> , 2008 , 86, 785-9	5.5	142
168	Antiangiogenic mechanisms of diet-derived polyphenols. <i>Journal of Nutritional Biochemistry</i> , 2002 , 13, 380-390	6.3	134
167	CCL2 and CCL5 Are Novel Therapeutic Targets for Estrogen-Dependent Breast Cancer. <i>Clinical Cancer Research</i> , 2015 , 21, 3794-805	12.9	131
166	Vascular endothelial growth factor-B-deficient mice display an atrial conduction defect. <i>Circulation</i> , 2001 , 104, 358-64	16.7	130
165	Multifarious functions of PDGFs and PDGFRs in tumor growth and metastasis. <i>Trends in Molecular Medicine</i> , 2013 , 19, 460-73	11.5	126
164	Differential roles of PDGFR-alpha and PDGFR-beta in angiogenesis and vessel stability. <i>FASEB Journal</i> , 2009 , 23, 153-63	0.9	126
163	VEGF-B inhibits apoptosis via VEGFR-1-mediated suppression of the expression of BH3-only protein genes in mice and rats. <i>Journal of Clinical Investigation</i> , 2008 , 118, 913-23	15.9	126
162	CD163+ macrophages promote angiogenesis and vascular permeability accompanied by inflammation in atherosclerosis. <i>Journal of Clinical Investigation</i> , 2018 , 128, 1106-1124	15.9	126
161	A materials-science perspective on tackling COVID-19. <i>Nature Reviews Materials</i> , 2020 , 1-14	73.3	123
160	In situ sprayed NIR-responsive, analgesic black phosphorus-based gel for diabetic ulcer treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 28667-28677	11.5	123
159	TNFR1 mediates TNF-induced tumour lymphangiogenesis and metastasis by modulating VEGF-C-VEGFR3 signalling. <i>Nature Communications</i> , 2014 , 5, 4944	17.4	112

158	Cold-induced activation of brown adipose tissue and adipose angiogenesis in mice. <i>Nature Protocols</i> , 2012 , 7, 606-15	18.8	112
157	Mutant p53-associated myosin-X upregulation promotes breast cancer invasion and metastasis. <i>Journal of Clinical Investigation</i> , 2014 , 124, 1069-82	15.9	111
156	Hypoxia-induced retinal angiogenesis in zebrafish as a model to study retinopathy. <i>PLoS ONE</i> , 2008 , 3, e2748	3.7	110
155	Combination angiostatin and endostatin gene transfer induces synergistic antiangiogenic activity in vitro and antitumor efficacy in leukemia and solid tumors in mice. <i>Molecular Therapy</i> , 2001 , 3, 186-96	11.7	106
154	Small GTP-binding protein Rac is an essential mediator of vascular endothelial growth factor-induced endothelial fenestrations and vascular permeability. <i>Circulation</i> , 2003 , 107, 1532-8	16.7	103
153	Adipocyte and lipid metabolism in cancer drug resistance. <i>Journal of Clinical Investigation</i> , 2019 , 129, 3006-3017	15.9	103
152	Cancer Lipid Metabolism Confers Antiangiogenic Drug Resistance. <i>Cell Metabolism</i> , 2018 , 28, 104-117.e524.6	10.2	
151	Angiotensin-converting enzyme 2 attenuates atherosclerotic lesions by targeting vascular cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 15886-91	11.5	100
150	Embryonic stem cell-derived embryoid bodies development in collagen gels recapitulates sprouting angiogenesis. <i>Laboratory Investigation</i> , 2001 , 81, 1669-81	5.9	100
149	Filamin B deficiency in mice results in skeletal malformations and impaired microvascular development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 3919-24	11.5	96
148	Anti-VEGF- and anti-VEGF receptor-induced vascular alteration in mouse healthy tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 12018-23	11.5	91
147	Survival effect of PDGF-CC rescues neurons from apoptosis in both brain and retina by regulating GSK3beta phosphorylation. <i>Journal of Experimental Medicine</i> , 2010 , 207, 867-80	16.6	91
146	Novel mechanism of macrophage-mediated metastasis revealed in a zebrafish model of tumor development. <i>Cancer Research</i> , 2015 , 75, 306-15	10.1	90
145	A novel gene expression profile in lymphatics associated with tumor growth and nodal metastasis. <i>Cancer Research</i> , 2008 , 68, 7293-303	10.1	90
144	Combinatorial protein therapy of angiogenic and arteriogenic factors remarkably improves collateralogenesis and cardiac function in pigs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 12140-5	11.5	90
143	Hypoxia-induced metastasis model in embryonic zebrafish. <i>Nature Protocols</i> , 2010 , 5, 1911-8	18.8	89
142	FOXC2 controls Ang-2 expression and modulates angiogenesis, vascular patterning, remodeling, and functions in adipose tissue. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 10167-72	11.5	87
141	VEGF-B promotes cancer metastasis through a VEGF-A-independent mechanism and serves as a marker of poor prognosis for cancer patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E2900-9	11.5	85

140	VEGFR1-mediated pericyte ablation links VEGF and PlGF to cancer-associated retinopathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 856-61	11.5	82
139	Antiangiogenic cancer therapy. <i>Seminars in Cancer Biology</i> , 2004 , 14, 139-45	12.7	82
138	The PDGF-BB-SOX7 axis-modulated IL-33 in pericytes and stromal cells promotes metastasis through tumour-associated macrophages. <i>Nature Communications</i> , 2016 , 7, 11385	17.4	80
137	Update on therapeutic neovascularization. <i>Cardiovascular Research</i> , 2005 , 65, 639-48	9.9	79
136	Genome-wide profiling of AP-1-regulated transcription provides insights into the invasiveness of triple-negative breast cancer. <i>Cancer Research</i> , 2014 , 74, 3983-94	10.1	77
135	Tumour PDGF-BB expression levels determine dual effects of anti-PDGF drugs on vascular remodelling and metastasis. <i>Nature Communications</i> , 2013 , 4, 2129	17.4	77
134	Arteriogenic therapy by intramyocardial sustained delivery of a novel growth factor combination prevents chronic heart failure. <i>Circulation</i> , 2011 , 124, 1059-69	16.7	74
133	Endothelial cell surface ATP synthase-triggered caspase-apoptotic pathway is essential for k1-5-induced antiangiogenesis. <i>Cancer Research</i> , 2004 , 64, 3679-86	10.1	73
132	Basic FGF is present in dopaminergic neurons of the ventral midbrain of the rat. <i>NeuroReport</i> , 1991 , 2, 597-600	1.7	72
131	Discontinuation of anti-VEGF cancer therapy promotes metastasis through a liver revascularization mechanism. <i>Nature Communications</i> , 2016 , 7, 12680	17.4	70
130	VEGF-targeted cancer therapeutics-paradoxical effects in endocrine organs. <i>Nature Reviews Endocrinology</i> , 2014 , 10, 530-9	15.2	68
129	Glutaredoxin regulates vascular development by reversible glutathionylation of sirtuin 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 20057-62	11.5	66
128	Mouse corneal lymphangiogenesis model. <i>Nature Protocols</i> , 2011 , 6, 817-26	18.8	66
127	Angiostatin. <i>Seminars in Thrombosis and Hemostasis</i> , 2004 , 30, 83-93	5.3	65
126	Direct role of PDGF-BB in lymphangiogenesis and lymphatic metastasis. <i>Cell Cycle</i> , 2005 , 4, 228-30	4.7	65
125	Tumor angiogenesis and molecular targets for therapy. <i>Frontiers in Bioscience - Landmark</i> , 2009 , 14, 3962-73	11.3	65
124	Hypoxia-induced retinopathy model in adult zebrafish. <i>Nature Protocols</i> , 2010 , 5, 1903-10	18.8	64
123	Eradication of tumor growth by delivering novel photothermal selenium-coated tellurium nanoheterojunctions. <i>Science Advances</i> , 2020 , 6, eaay6825	14.3	62

122	PDGF-CC blockade inhibits pathological angiogenesis by acting on multiple cellular and molecular targets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 12216-21	11.5	62
121	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. <i>Circulation Research</i> , 2008 , 103, 1092-9	15.7	62
120	Malignant cell-derived PlGF promotes normalization and remodeling of the tumor vasculature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 17505-10	11.5	60
119	Immunological consequences of macrophage-mediated clearance of apoptotic cells. <i>Cell Cycle</i> , 2005 , 4, 231-4	4.7	60
118	Optimizing the delivery of cancer drugs that block angiogenesis. <i>Science Translational Medicine</i> , 2010 , 2, 15ps3	17.5	59
117	Selective inhibition of retinal angiogenesis by targeting PI3 kinase. <i>PLoS ONE</i> , 2009 , 4, e7867	3.7	57
116	Anti-VEGF agents confer survival advantages to tumor-bearing mice by improving cancer-associated systemic syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 18513-8	11.5	56
115	Efficacy and tolerability of bevacizumab in patients with severe Covid-19. <i>Nature Communications</i> , 2021 , 12, 814	17.4	56
114	Endothelial PDGF-CC regulates angiogenesis-dependent thermogenesis in beige fat. <i>Nature Communications</i> , 2016 , 7, 12152	17.4	55
113	Tumor cell-derived placental growth factor sensitizes antiangiogenic and antitumor effects of anti-VEGF drugs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 654-9	11.5	55
112	Vascular endothelial growth factor-dependent spatiotemporal dual roles of placental growth factor in modulation of angiogenesis and tumor growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13932-7	11.5	55
111	IL-20 is an arteriogenic cytokine that remodels collateral networks and improves functions of ischemic hind limbs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15364-9	11.5	54
110	Therapeutic targets of multiple angiogenic factors for the treatment of cancer and metastasis. <i>Advances in Cancer Research</i> , 2007 , 97, 203-24	5.9	54
109	Adipose angiogenesis: quantitative methods to study microvessel growth, regression and remodeling in vivo. <i>Nature Protocols</i> , 2010 , 5, 912-20	18.8	53
108	Human plasmin enzymatic activity is inhibited by chemically modified dextrans. <i>Journal of Biological Chemistry</i> , 2000 , 275, 29383-90	5.4	53
107	Molecular mechanisms of IL-33-mediated stromal interactions in cancer metastasis. <i>JCI Insight</i> , 2018 , 3,	9.9	53
106	Improvement of antiangiogenic cancer therapy by understanding the mechanisms of angiogenic factor interplay and drug resistance. <i>Seminars in Cancer Biology</i> , 2009 , 19, 338-43	12.7	52
105	Kringle structures and antiangiogenesis. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2002 , 2, 667-81		52

104	A Zebrafish Model Discovers a Novel Mechanism of Stromal Fibroblast-Mediated Cancer Metastasis. <i>Clinical Cancer Research</i> , 2017 , 23, 4769-4779	12.9	51
103	MT1-MMP sheds LYVE-1 on lymphatic endothelial cells and suppresses VEGF-C production to inhibit lymphangiogenesis. <i>Nature Communications</i> , 2016 , 7, 10824	17.4	51
102	MT1-MMP inactivates ADAM9 to regulate FGFR2 signaling and calvarial osteogenesis. <i>Developmental Cell</i> , 2012 , 22, 1176-90	10.2	51
101	Continuous intravascular secretion of endostatin in mice from transduced hematopoietic stem cells. <i>Molecular Therapy</i> , 2002 , 5, 345-51	11.7	50
100	Cell-type-specific regulation of degradation of hypoxia-inducible factor 1 alpha: role of subcellular compartmentalization. <i>Molecular and Cellular Biology</i> , 2006 , 26, 4628-41	4.8	49
99	Molecular mechanisms and therapeutic development of angiogenesis inhibitors. <i>Advances in Cancer Research</i> , 2008 , 100, 113-31	5.9	48
98	Pathological angiogenesis facilitates tumor cell dissemination and metastasis. <i>Cell Cycle</i> , 2010 , 9, 913-7	4.7	47
97	Antiangiogenic agents significantly improve survival in tumor-bearing mice by increasing tolerance to chemotherapy-induced toxicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 4117-22	11.5	47
96	Characterization of neuroprogenitor cells expressing the PDGF beta-receptor within the subventricular zone of postnatal mice. <i>Molecular and Cellular Neurosciences</i> , 2008 , 37, 507-18	4.8	46
95	MicroRNA-26a and -26b inhibit lens fibrosis and cataract by negatively regulating Jagged-1/Notch signaling pathway. <i>Cell Death and Differentiation</i> , 2017 , 24, 1431-1442	12.7	45
94	Apelin inhibition prevents resistance and metastasis associated with anti-angiogenic therapy. <i>EMBO Molecular Medicine</i> , 2019 , 11, e9266	12	45
93	Hypoxia-induced and calpain-dependent cleavage of filamin A regulates the hypoxic response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 2560-5	11.5	45
92	Blockage of VEGF-induced angiogenesis by preventing VEGF secretion. <i>Circulation Research</i> , 2004 , 94, 1443-50	15.7	45
91	Modulation of age-related insulin sensitivity by VEGF-dependent vascular plasticity in adipose tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14906-11	11.5	43
90	Off-tumor target--beneficial site for antiangiogenic cancer therapy?. <i>Nature Reviews Clinical Oncology</i> , 2010 , 7, 604-8	19.4	41
89	A review of Judah Folkman's remarkable achievements in biomedicine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 13203-5	11.5	41
88	Photochemically induced focal cerebral ischemia in rat: time dependent and global increase in expression of basic fibroblast growth factor mRNA. <i>Brain Research</i> , 1993 , 625, 45-56	3.7	41
87	Nitric oxide permits hypoxia-induced lymphatic perfusion by controlling arterial-lymphatic conduits in zebrafish and glass catfish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 18408-13	11.5	40

86	Intra- and extracellular signaling by endothelial neuregulin-1. <i>Experimental Cell Research</i> , 2007 , 313, 2896-909	4.0	40
85	Immortalization of bovine capillary endothelial cells by hTERT alone involves inactivation of endogenous p16INK4A/pRb. <i>FASEB Journal</i> , 2003 , 17, 764-6	0.9	40
84	Targeting PDGF-mediated recruitment of pericytes blocks vascular mimicry and tumor growth. <i>Journal of Pathology</i> , 2018 , 246, 447-458	9.4	39
83	Environmental changes in oxygen tension reveal ROS-dependent neurogenesis and regeneration in the adult newt brain. <i>ELife</i> , 2015 , 4,	8.9	39
82	Regorafenib induces lethal autophagy arrest by stabilizing PSAT1 in glioblastoma. <i>Autophagy</i> , 2020 , 16, 106-122	10.2	39
81	Deletion of laminin-8 results in increased tumor neovascularization and metastasis in mice. <i>Cancer Research</i> , 2004 , 64, 4059-63	10.1	37
80	Human acidic fibroblast growth factor overexpressed in insect cells is not secreted into the medium. <i>Growth Factors</i> , 1990 , 3, 1-13	1.6	36
79	Future options of anti-angiogenic cancer therapy. <i>Chinese Journal of Cancer</i> , 2016 , 35, 21		35
78	A miR-327-FGF10-FGFR2-mediated autocrine signaling mechanism controls white fat browning. <i>Nature Communications</i> , 2017 , 8, 2079	17.4	35
77	Ablation of endothelial VEGFR1 improves metabolic dysfunction by inducing adipose tissue browning. <i>Journal of Experimental Medicine</i> , 2018 , 215, 611-626	16.6	34
76	Estrogen Receptor Promotes Breast Cancer by Reprogramming Choline Metabolism. <i>Cancer Research</i> , 2016 , 76, 5634-5646	10.1	34
75	Neurokinin-1 receptor is an effective target for treating leukemia by inducing oxidative stress through mitochondrial calcium overload. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 19635-19645	11.5	31
74	Resveratrol analogue 4,4Rdihydroxy-trans-stilbene potently inhibits cancer invasion and metastasis. <i>Scientific Reports</i> , 2016 , 6, 19973	4.9	31
73	Angiogenesis: What can it offer for future medicine?. <i>Experimental Cell Research</i> , 2010 , 316, 1304-8	4.2	30
72	Release and subcellular localization of acidic fibroblast growth factor expressed to high levels in HeLa cells. <i>Growth Factors</i> , 1993 , 8, 277-90	1.6	30
71	Erythropoietin in cancer: a dilemma in risk therapy. <i>Trends in Endocrinology and Metabolism</i> , 2013 , 24, 190-9	8.8	29
70	Invasiveness and metastasis of retinoblastoma in an orthotopic zebrafish tumor model. <i>Scientific Reports</i> , 2015 , 5, 10351	4.9	29
69	Fibroblast growth factors enhance dopamine fiber formation from nigral grafts. <i>Developmental Brain Research</i> , 1993 , 75, 65-73		29

68	Macrophage-targeted nanomedicine for the diagnosis and treatment of atherosclerosis. <i>Nature Reviews Cardiology</i> , 2021 ,	14.8	29
67	Clock controls angiogenesis. <i>Cell Cycle</i> , 2013 , 12, 405-8	4.7	27
66	Antiangiogenic cancer therapy: why do mouse and human patients respond in a different way to the same drug?. <i>International Journal of Developmental Biology</i> , 2011 , 55, 557-62	1.9	27
65	Tumor-derived lymphangiogenic factors and lymphatic metastasis. <i>Biomedicine and Pharmacotherapy</i> , 2007 , 61, 534-9	7.5	27
64	Macrophage K63-Linked Ubiquitination of YAP Promotes Its Nuclear Localization and Exacerbates Atherosclerosis. <i>Cell Reports</i> , 2020 , 32, 107990	10.6	27
63	Bladder drug mirabegron exacerbates atherosclerosis through activation of brown fat-mediated lipolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 10937-10942	11.5	26
62	Inflammatory cell-derived CXCL3 promotes pancreatic cancer metastasis through a novel myofibroblast-hijacked cancer escape mechanism. <i>Gut</i> , 2022 , 71, 129-147	19.2	26
61	Dual roles of endothelial FGF-2-FGFR1-PDGF-BB and perivascular FGF-2-FGFR2-PDGFRβ signaling pathways in tumor vascular remodeling. <i>Cell Discovery</i> , 2018 , 4, 3	22.3	25
60	Angiogenesis as a therapeutic target for obesity and metabolic diseases. <i>Chemical Immunology and Allergy</i> , 2014 , 99, 170-9		25
59	Zebrafish models to study hypoxia-induced pathological angiogenesis in malignant and nonmalignant diseases. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2011 , 93, 182-93		25
58	Therapeutic paradigm of dual targeting VEGF and PDGF for effectively treating FGF-2 off-target tumors. <i>Nature Communications</i> , 2020 , 11, 3704	17.4	25
57	VEGF-B is a potent antioxidant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 10351-10356	11.5	25
56	VEGF-B-Neuropilin-1 signaling is spatiotemporally indispensable for vascular and neuronal development in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E5944-53	11.5	24
55	Critical role of caveolin-1 in ocular neovascularization and multitargeted antiangiogenic effects of cavtratin via JNK. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 10737-10742	11.5	24
54	Statin-AE: a novel angiostatin-endostatin fusion protein with enhanced antiangiogenic and antitumor activity. <i>Angiogenesis</i> , 2001 , 4, 263-8	10.6	24
53	Vasoprotective effect of PDGF-CC mediated by HMOX1 rescues retinal degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14806-11	11.5	21
52	VEGFR2-mediated vascular dilation as a mechanism of VEGF-induced anemia and bone marrow cell mobilization. <i>Cell Reports</i> , 2014 , 9, 569-80	10.6	21
51	Why and how do tumors stimulate lymphangiogenesis?. <i>Lymphatic Research and Biology</i> , 2008 , 6, 145-8	2.3	21

50	Tumor-derived VEGF modulates hematopoiesis. <i>Journal of Angiogenesis Research</i> , 2009 , 1, 9		20
49	Co-option of pre-existing vascular beds in adipose tissue controls tumor growth rates and angiogenesis. <i>Oncotarget</i> , 2016 , 7, 38282-38291	3.3	20
48	Cancer-associated retinopathy: a new mechanistic insight on vascular remodeling. <i>Cell Cycle</i> , 2010 , 9, 1882-5	4.7	19
47	Visualization of human T lymphocyte-mediated eradication of cancer cells in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 22910-22919	11.5	19
46	Endocrine vasculatures are preferable targets of an antitumor ineffective low dose of anti-VEGF therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 4158-63	11.5	18
45	Decreased Expression of Vascular Endothelial Growth Factor Receptor 1 Contributes to the Pathogenesis of Hereditary Hemorrhagic Telangiectasia Type 2. <i>Circulation</i> , 2018 , 138, 2698-2712	16.7	18
44	Therapeutic angiogenesis for ischemic disorders: what is missing for clinical benefits?. <i>Discovery Medicine</i> , 2010 , 9, 179-84	2.5	18
43	Prodrug-Loaded Zirconium Carbide Nanosheets as a Novel Biophotonic Nanoplatfrom for Effective Treatment of Cancer. <i>Advanced Science</i> , 2020 , 7, 2001191	13.6	17
42	Nano-immunotherapy: Unique mechanisms of nanomaterials in synergizing cancer immunotherapy. <i>Nano Today</i> , 2021 , 36, 101023	17.9	16
41	Maintenance of antiangiogenic and antitumor effects by orally active low-dose capecitabine for long-term cancer therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E5226-E5235	11.5	15
40	Intussusceptive Vascular Remodeling Precedes Pathological Neovascularization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 1402-1418	9.4	15
39	PlGF-induced VEGFR1-dependent vascular remodeling determines opposing antitumor effects and drug resistance to DLL4-Notch inhibitors. <i>Science Advances</i> , 2015 , 1, e1400244	14.3	14
38	Molecular identity of human limbal heterogeneity involved in corneal homeostasis and privilege. <i>Ocular Surface</i> , 2021 , 21, 206-220	6.5	14
37	Aldehyde Dehydrogenase 2 Protects Against Post-Cardiac Arrest Myocardial Dysfunction Through a Novel Mechanism of Suppressing Mitochondrial Reactive Oxygen Species Production. <i>Frontiers in Pharmacology</i> , 2020 , 11, 373	5.6	13
36	When MT1-MMP meets ADAMs. <i>Cell Cycle</i> , 2012 , 11, 2793-8	4.7	12
35	CETSA-based target engagement of taxanes as biomarkers for efficacy and resistance. <i>Scientific Reports</i> , 2019 , 9, 19384	4.9	10
34	Intravesical delivery of -mRNA via mucoadhesive nanoparticles inhibits the metastasis of bladder cancer.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	9
33	Brown adipose tissue, thermogenesis, angiogenesis: pathophysiological aspects. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2014 , 19, 5-11	1.3	8

32	It's hard to keep all things angiogenic in one JAR!. <i>Vascular Cell</i> , 2011 , 3, 1	1	8
31	Pulmonary stromal expansion and intra-alveolar coagulation are primary causes of COVID-19 death. <i>Heliyon</i> , 2021 , 7, e07134	3.6	8
30	Perivascular cell-derived extracellular vesicles stimulate colorectal cancer revascularization after withdrawal of antiangiogenic drugs. <i>Journal of Extracellular Vesicles</i> , 2021 , 10, e12096	16.4	8
29	Off-tumor targets compromise antiangiogenic drug sensitivity by inducing kidney erythropoietin production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E9635-E9644	11.5	7
28	Collaborative effects between the TNF/TNFR1-macrophage axis and the VEGF-C-VEGFR3 signaling in lymphangiogenesis and metastasis. <i>Oncotmunology</i> , 2015 , 4, e989777	7.2	7
27	A novel NIR-responsive CO gas-releasing and hyperthermia-generating nanomedicine provides a curative approach for cancer therapy. <i>Nano Today</i> , 2021 , 38, 101197	17.9	7
26	Nanopoxia: Targeting Cancer Hypoxia by Antimonene-Based Nanoplatfrom for Precision Cancer Therapy. <i>Advanced Functional Materials</i> , 2021 , 31, 2104607	15.6	7
25	Residential Proximity to Major Roadways and Risk of Type 2 Diabetes Mellitus: A Meta-Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 14,	4.6	6
24	Fast, In Vivo Model for Drug-Response Prediction in Patients with B-Cell Precursor Acute Lymphoblastic Leukemia. <i>Cancers</i> , 2020 , 12,	6.6	6
23	A specific RIP3 subpopulation of microglia promotes retinopathy through a hypoxia-triggered necroptotic mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	6
22	Interleukin-33 is a Novel Immunosuppressor that Protects Cancer Cells from TIL Killing by a Macrophage-Mediated Shedding Mechanism. <i>Advanced Science</i> , 2021 , 8, e2101029	13.6	6
21	miR-125a-5p impairs the metastatic potential in breast cancer via IPK1 targeting. <i>Cancer Letters</i> , 2021 , 520, 48-56	9.9	6
20	Obesity Protects Cancer from Drugs Targeting Blood Vessels. <i>Cell Metabolism</i> , 2018 , 27, 1163-1165	24.6	5
19	Wake-up call for endothelial cells. <i>Blood</i> , 2010 , 115, 2336-7	2.2	5
18	Long-term corneal recovery by simultaneous delivery of hPSC-derived corneal endothelial precursors and nicotinamide.. <i>Journal of Clinical Investigation</i> , 2022 , 132,	15.9	5
17	The impact of the hypoxia-VEGF-vascular permeability on COVID-19-infected patients.. <i>Exploration</i> , 2021 , 1, 20210051		5
16	A novel mechanism of the M1-M2 methionine adenosyltransferase switch-mediated hepatocellular carcinoma metastasis. <i>Molecular Carcinogenesis</i> , 2018 , 57, 1201-1212	5	5
15	The impact of VEGF on cancer metastasis and systemic disease.. <i>Seminars in Cancer Biology</i> , 2022 ,	12.7	5

14	A facile and general method for synthesis of antibiotic-free protein-based hydrogel: Wound dressing for the eradication of drug-resistant bacteria and biofilms.. <i>Bioactive Materials</i> , 2022 , 18, 446-458	16.7	5
13	Mitochondrial DNA: A New Predictor of Diabetic Kidney Disease. <i>International Journal of Endocrinology</i> , 2020 , 2020, 3650937	2.7	4
12	Phosphodiesterase 4A confers resistance to PGE2-mediated suppression in CD25 /CD54 NK cells. <i>EMBO Reports</i> , 2021 , 22, e51329	6.5	4
11	Plk1, upregulated by HIF-2, mediates metastasis and drug resistance of clear cell renal cell carcinoma. <i>Communications Biology</i> , 2021 , 4, 166	6.7	4
10	Distribution of acidic fibroblast growth factor-like immunoreactivity in rat skeletal muscle fibers. <i>Brain Research</i> , 1996 , 707, 81-7	3.7	3
9	A Novel Mechanism of Endoplasmic Reticulum Stress- and c-Myc-Degradation-Mediated Therapeutic Benefits of Antineurokinin-1 Receptor Drugs in Colorectal Cancer. <i>Advanced Science</i> , 2021 , 8, e2101936	13.6	3
8	Imaging and tracing the pattern of adult ovarian angiogenesis implies a strategy against female reproductive aging.. <i>Science Advances</i> , 2022 , 8, eabi8683	14.3	2
7	Off-tumor IDO1 target engagements determine the cancer-immune set point and predict the immunotherapeutic efficacy 2021 , 9,		2
6	Synchronized tissue-scale vasculogenesis and ubiquitous lateral sprouting underlie the unique architecture of the choriocapillaris. <i>Developmental Biology</i> , 2020 , 457, 206-214	3.1	2
5	Endothelial life discontinues without Erk. <i>Journal of Experimental Medicine</i> , 2019 , 216, 1730-1732	16.6	1
4	The Polo-like kinase 1 inhibitor onvansertib represents a relevant treatment for head and neck squamous cell carcinoma resistant to cisplatin and radiotherapy. <i>Theranostics</i> , 2021 , 11, 9571-9586	12.1	1
3	CETSA interaction proteomics define specific RNA-modification pathways as key components of fluorouracil-based cancer drug cytotoxicity. <i>Cell Chemical Biology</i> , 2021 ,	8.2	1
2	Interleukin-33 is a Novel Immunosuppressor that Protects Cancer Cells from TIL Killing by a Macrophage-Mediated Shedding Mechanism (Adv. Sci. 21/2021). <i>Advanced Science</i> , 2021 , 8, 2170144	13.6	0
1	Heterogeneity of human corneal endothelium implicates lncRNA in Fuchs endothelial corneal dystrophy.. <i>Molecular Therapy - Nucleic Acids</i> , 2022 , 27, 880-893	10.7	0