Young-Guen Kwon

List of Publications by Year
in descending order

150	9,971	34105	38395
papers	citations	52 h-index	95 g-index

152	152	152	14698
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Three-dimensional structure of the catalytic subunit of protein serine/threonine phosphatase-1. Nature, 1995, 376, 745-753.	27.8	851
2	Endostatin Blocks Vascular Endothelial Growth Factor-mediated Signaling via Direct Interaction with KDR/Flk-1. Journal of Biological Chemistry, 2002, 277, 27872-27879.	3.4	367
3	Sphingosine 1-Phosphate Induces Angiogenesis: Its Angiogenic Action and Signaling Mechanism in Human Umbilical Vein Endothelial Cells. Biochemical and Biophysical Research Communications, 1999, 264, 743-750.	2.1	340
4	YAP/TAZ regulates sprouting angiogenesis and vascular barrier maturation. Journal of Clinical Investigation, 2017, 127, 3441-3461.	8.2	282
5	Interleukin-33 induces angiogenesis and vascular permeability through ST2/TRAF6-mediated endothelial nitric oxide production. Blood, 2009, 114, 3117-3126.	1.4	249
6	[6]-Gingerol, a pungent ingredient of ginger, inhibits angiogenesis in vitro and in vivo. Biochemical and Biophysical Research Communications, 2005, 335, 300-308.	2.1	232
7	The non-provitamin A carotenoid, lutein, inhibits NF-Î¹B-dependent gene expression through redox-based regulation of the phosphatidylinositol 3-kinase/PTEN/Akt and NF-Î¹B-inducing kinase pathways: Role of H2O2 in NF-Î¹B activation. Free Radical Biology and Medicine, 2008, 45, 885-896.	2.9	225
8	Î²-Carotene inhibits inflammatory gene expression in lipopolysaccharide-stimulated macrophages by suppressing redox-based NF-Î¹B activation. Experimental and Molecular Medicine, 2005, 37, 323-334.	7.7	209
9	Yes-associated protein regulates endothelial cell contact-mediated expression of angiopoietin-2. Nature Communications, 2015, 6, 6943.	12.8	197
10	Capsaicin Inhibits in Vitro and in Vivo Angiogenesis. Cancer Research, 2004, 64, 644-651.	0.9	196
11	Differential regulation of NO availability from macrophages and endothelial cells by the garlic component S-allyl cysteine. Free Radical Biology and Medicine, 2001, 30, 747-756.	2.9	188
12	Astaxanthin inhibits nitric oxide production and inflammatory gene expression by suppressing I(kappa)B kinase-dependent NF-kappaB activation. Molecules and Cells, 2003, 16, 97-105.	2.6	186
13	Sphingosine 1-Phosphate Protects Human Umbilical Vein Endothelial Cells from Serum-deprived Apoptosis by Nitric Oxide Production. Journal of Biological Chemistry, 2001, 276, 10627-10633.	3.4	184
14	TNF-Related Activation-Induced Cytokine Enhances Leukocyte Adhesiveness: Induction of ICAM-1 and VCAM-1 via TNF Receptor-Associated Factor and Protein Kinase C-Dependent NF-Î¹B Activation in Endothelial Cells. Journal of Immunology, 2005, 175, 531-540.	0.8	169
15	Nitric oxide prevents 6â€hydroxydopamineâ€induced apoptosis in PC12 cells through cGMPâ€dependent PI3 kinase/Akt activation. FASEB Journal, 2003, 17, 1036-1047.	0.5	145
16	Multiple paracrine factors secreted by mesenchymal stem cells contribute to angiogenesis. Vascular Pharmacology, 2014, 63, 19-28.	2.1	144
17	VEGF-specific Short Hairpin RNAâ€“expressing Oncolytic Adenovirus Elicits Potent Inhibition of Angiogenesis and Tumor Growth. Molecular Therapy, 2007, 15, 295-302.	8.2	140
18	Isolation and Characterization of PNUTS, a Putative Protein Phosphatase 1 Nuclear Targeting Subunit. Journal of Biological Chemistry, 1998, 273, 4089-4095.	3.4	138

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19	Endothelial progenitor cell homing: prominent role of the IGF2-IGF2R-PLCÎ²2 axis. Blood, 2009, 113, 233-243.	1.4	136
20	Recruitment of monocytes/macrophages in different tumor microenvironments. Biochimica Et Biophysica Acta: Reviews on Cancer, 2013, 1835, 170-179.	7.4	136
21	Carbon Monoxide Promotes VEGF Expression by Increasing HIF-1Î± Protein Level via Two Distinct Mechanisms, Translational Activation and Stabilization of HIF-1Î± Protein. Journal of Biological Chemistry, 2010, 285, 32116-32125.	3.4	131
22	Indoleâ€3â€propionic acid attenuates neuronal damage and oxidative stress in the ischemic hippocampus. Journal of Neuroscience Research, 2009, 87, 2126-2137.	2.9	127
23	Definition of Optimal Substrate Recognition Motifs of Ca2+-Calmodulin-dependent Protein Kinases IV and II Reveals Shared and Distinctive Features. Journal of Biological Chemistry, 1998, 273, 3166-3172.	3.4	124
24	Hepatocyte Growth Factor Suppresses Vascular Endothelial Growth Factor-Induced Expression of Endothelial ICAM-1 and VCAM-1 by Inhibiting the Nuclear Factor-ÎºB Pathway. Circulation Research, 2005, 96, 300-307.	4.5	124
25	Prostaglandin E2 stimulates angiogenesis by activating the nitric oxide/cGMP pathway in human umbilical vein endothelial cells. Experimental and Molecular Medicine, 2005, 37, 588-600.	7.7	115
26	TNF-related Activation-induced Cytokine (TRANCE) Induces Angiogenesis through the Activation of Src and Phospholipase C (PLC) in Human Endothelial Cells. Journal of Biological Chemistry, 2002, 277, 6799-6805.	3.4	109
27	Aspirin prevents TNF-Î±-induced endothelial cell dysfunction by regulating the NF-ÎºB-dependent miR-155/eNOS pathway: Role of a miR-155/eNOS axis in preeclampsia. Free Radical Biology and Medicine, 2017, 104, 185-198.	2.9	109
28	Nuclear IL-33 is a transcriptional regulator of NF-ÎºB p65 and induces endothelial cell activation. Biochemical and Biophysical Research Communications, 2012, 421, 305-311.	2.1	108
29	Vascular Endothelial Growth Factor Up-regulates Expression of Receptor Activator of NF-ÎºB (RANK) in Endothelial Cells. Journal of Biological Chemistry, 2003, 278, 39548-39557.	3.4	101
30	Receptor activator of nuclear factor (NF)â€“ÎºB ligand (RANKL) increases vascular permeability: impaired permeability and angiogenesis in eNOS-deficient mice. Blood, 2007, 109, 1495-1502.	1.4	100
31	Endostatin binds to the catalytic domain of matrix metalloproteinase-2. FEBS Letters, 2002, 519, 147-152.	2.8	94
32	20(S)-Ginsenoside Rg3 prevents endothelial cell apoptosis via inhibition of a mitochondrial caspase pathway. Biochemical and Biophysical Research Communications, 2006, 349, 987-994.	2.1	94
33	The WNT antagonist Dickkopf2 promotes angiogenesis in rodent and human endothelial cells. Journal of Clinical Investigation, 2011, 121, 1882-1893.	8.2	89
34	Regulation of Caspases by Nitric Oxide. Annals of the New York Academy of Sciences, 2002, 962, 42-52.	3.8	87
35	Methanol extract of Cordyceps pruinosa inhibits in vitro and in vivo inflammatory mediators by suppressing NF-ÎºB activation. Toxicology and Applied Pharmacology, 2003, 190, 1-8.	2.8	87
36	Antioxidant Enzymes Suppress Nitric Oxide Production through the Inhibition of NF-ÎºB Activation: Role of H2O2 and Nitric Oxide in Inducible Nitric Oxide Synthase Expression in Macrophages. Nitric Oxide - Biology and Chemistry, 2001, 5, 504-513.	2.7	84

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37	ERK is an anti-inflammatory signal that suppresses expression of NF-Î²B-dependent inflammatory genes by inhibiting IKK activity in endothelial cells. Cellular Signalling, 2006, 18, 994-1005.	3.6	81
38	Hypoxia-Responsive MicroRNA-101 Promotes Angiogenesis via Heme Oxygenase-1/Vascular Endothelial Growth Factor Axis by Targeting Cullin 3. Antioxidants and Redox Signaling, 2014, 21, 2469-2482.	5.4	81
39	Water Extract of Korean Red Ginseng Stimulates Angiogenesis by Activating the PI3K/Akt-Dependent ERK1/2 and eNOS Pathways in Human Umbilical Vein Endothelial Cells. Biological and Pharmaceutical Bulletin, 2007, 30, 1674-1679.	1.4	80
40	Capsiate, a Nonpungent Capsaicin-Like Compound, Inhibits Angiogenesis and Vascular Permeability via a Direct Inhibition of Src Kinase Activity. Cancer Research, 2008, 68, 227-235.	0.9	79
41	Functional role of NF-Î²B in expression of human endothelial nitric oxide synthase. Biochemical and Biophysical Research Communications, 2014, 448, 101-107.	2.1	75
42	Sac-1004, a vascular leakage blocker, reduces cerebral ischemiaâ€”reperfusion injury by suppressing bloodâ€“brain barrier disruption and inflammation. Journal of Neuroinflammation, 2017, 14, 122.	7.2	72
43	Soluble PTK7 inhibits tube formation, migration, and invasion of endothelial cells and angiogenesis. Biochemical and Biophysical Research Communications, 2008, 371, 793-798.	2.1	70
44	Sex hormones establish a reserve pool of adult muscle stem cells. Nature Cell Biology, 2016, 18, 930-940.	10.3	67
45	PNUTS, a Protein Phosphatase 1 (PP1) Nuclear Targeting Subunit. Journal of Biological Chemistry, 2003, 278, 13819-13828.	3.4	66
46	Nitric Oxide Inhibition of Homocysteine-induced Human Endothelial Cell Apoptosis by Down-regulation of p53-dependent Noxa Expression through the Formation of S-Nitrosohomocysteine. Journal of Biological Chemistry, 2005, 280, 5781-5788.	3.4	66
47	Interactive Relations between Nitric Oxide (NO) and Carbon Monoxide (CO): Heme Oxygenase-1/CO Pathway Is a Key Modulator in NO-Mediated Antiapoptosis and Anti-inflammation. Methods in Enzymology, 2008, 441, 329-338.	1.0	66
48	Nitric oxide suppresses inducible nitric oxide synthase expression by inhibiting post-translational modification of IÎºB. Experimental and Molecular Medicine, 2004, 36, 311-324.	7.7	65
49	NF-Î²Bâ€“responsive miRNA-31-5p elicits endothelial dysfunction associated with preeclampsia via down-regulation of endothelial nitric-oxide synthase. Journal of Biological Chemistry, 2018, 293, 18989-19000.	3.4	64
50	Wnt5a Is Required for Endothelial Differentiation of Embryonic Stem Cells and Vascularization via Pathways Involving Both Wnt/Î²-Catenin and Protein Kinase CÎ±. Circulation Research, 2009, 104, 372-379.	4.5	62
51	Hippo-YAP/TAZ signaling in angiogenesis. BMB Reports, 2018, 51, 157-162.	2.4	60
52	Changes in the expression of mitochondrial peroxiredoxin and thioredoxin in neurons and glia and their protective effects in experimental cerebral ischemic damage. Free Radical Biology and Medicine, 2010, 48, 1242-1251.	2.9	56
53	Insulin-Like Growth Factor-II Regulates the Expression of Vascular Endothelial Growth Factor by the Human Keratinocyte Cell Line HaCaT. Journal of Investigative Dermatology, 2004, 123, 152-158.	0.7	54
54	Maintenance of anti-inflammatory cytokines and reduction of glial activation in the ischemic hippocampal CA1 region preconditioned with lipopolysaccharide. Journal of the Neurological Sciences, 2010, 296, 69-78.	0.6	53

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55	Capsiate inhibits ultraviolet B-induced skin inflammation by inhibiting Src family kinases and epidermal growth factor receptor signaling. Free Radical Biology and Medicine, 2010, 48, 1133-1143.	2.9	52
56	Melatonin's protective action against ischemic neuronal damage is associated with upâ€regulation of the MT2 melatonin receptor. Journal of Neuroscience Research, 2010, 88, 2630-2640.	2.9	52
57	Sphingosine 1-Phosphate Stimulates Tyrosine Phosphorylation of Focal Adhesion Kinase and Chemotactic Motility of Endothelial Cells via the Gi Protein-Linked Phospholipase C Pathway. Biochemical and Biophysical Research Communications, 2000, 268, 47-53.	2.1	51
58	4-O-Methylgallic acid suppresses inflammation-associated gene expression by inhibition of redox-based NF-ÎºB activation. International Immunopharmacology, 2006, 6, 1597-1608.	3.8	51
59	Functional dissection of Nrf2-dependent phase II genes in vascular inflammation and endotoxic injury using Keap1 siRNA. Free Radical Biology and Medicine, 2012, 53, 629-640.	2.9	51
60	The Wnt pathway and the roles for its antagonists, DKKS, in angiogenesis. IUBMB Life, 2012, 64, 724-731.	3.4	51
61	Long-Term Exercise Improves Memory Deficits via Restoration of Myelin and Microvessel Damage, and Enhancement of Neurogenesis in the Aged Gerbil Hippocampus After Ischemic Stroke. Neurorehabilitation and Neural Repair, 2016, 30, 894-905.	2.9	50
62	AMIGO2, a novel membrane anchor of PDK1, controls cell survival and angiogenesis via Akt activation. Journal of Cell Biology, 2015, 211, 619-637.	5.2	49
63	Regulation of Apoptosis by Nitrosative Stress. BMB Reports, 2002, 35, 127-133.	2.4	49
64	Specific Activation of Insulin-like Growth Factor-1 Receptor by Ginsenoside Rg5 Promotes Angiogenesis and Vasorelaxation. Journal of Biological Chemistry, 2015, 290, 467-477.	3.4	48
65	Neuroprotection of ischemic preconditioning is mediated by thioredoxin 2 in the hippocampal CA1 region following a subsequent transient cerebral ischemia. Brain Pathology, 2017, 27, 276-291.	4.1	47
66	The caspase-8/Bid/cytochrome c axis links signals from death receptors to mitochondrial reactive oxygen species production. Free Radical Biology and Medicine, 2017, 112, 567-577.	2.9	46
67	Clec14a is specifically expressed in endothelial cells and mediates cell to cell adhesion. Biochemical and Biophysical Research Communications, 2011, 404, 103-108.	2.1	45
68	Distinct roles of DKK1 and DKK2 in tumor angiogenesis. Angiogenesis, 2014, 17, 221-234.	7.2	45
69	Carbon Monoxide Potentiation of L-Type Ca²⁺ Channel Activity Increases HIF-1Î±-Independent VEGF Expression via an AMPKÎ±/SIRT1-Mediated PGC-1Î±/ERRÎ± Axis. Antioxidants and Redox Signaling, 2017, 27, 21-36.	5.4	45
70	Carbon monoxide prevents TNF-Î±-induced eNOS downregulation by inhibiting NF-ÎºB-responsive miR-155-5p biogenesis. Experimental and Molecular Medicine, 2017, 49, e403-e403.	7.7	43
71	Inhibition of Farnesyltransferase Prevents Collagen-Induced Arthritis by Down-Regulation of Inflammatory Gene Expression through Suppression of p21ras-Dependent NF-ÎºB Activation. Journal of Immunology, 2004, 173, 1276-1283.	0.8	42
72	Expression and changes of endogenous insulin-like growth factor-1 in neurons and glia in the gerbil hippocampus and dentate gyrus after ischemic insult. Neurochemistry International, 2004, 45, 149-156.	3.8	42

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73	Mineralocorticoid and glucocorticoid receptor expressions in astrocytes and microglia in the gerbil hippocampal CA1 region after ischemic insult. Neuroscience Research, 2006, 54, 319-327.	1.9	41
74	Syringaresinol causes vasorelaxation by elevating nitric oxide production through the phosphorylation and dimerization of endothelial nitric oxide synthase. Experimental and Molecular Medicine, 2012, 44, 191.	7.7	41
75	p-Hydroxybenzyl alcohol-containing biodegradable nanoparticle improves functional blood flow through angiogenesis in a mouse model of hindlimb ischemia. Biomaterials, 2015, 53, 679-687.	11.4	41
76	Loss of NDRG2 promotes epithelial-mesenchymal transition of gallbladder carcinoma cells through MMP-19-mediated Slug expression. Journal of Hepatology, 2015, 63, 1429-1439.	3.7	40
77	New GABAergic Neurogenesis in the Hippocampal CA1 Region of a Gerbil Model of Longâ€Term Survival after Transient Cerebral Ischemic Injury. Brain Pathology, 2016, 26, 581-592.	4.1	40
78	Ischemic preconditioning protects hippocampal pyramidal neurons from transient ischemic injury via the attenuation of oxidative damage through upregulating heme oxygenase-1. Free Radical Biology and Medicine, 2015, 79, 78-90.	2.9	39
79	Carbon monoxide stimulates astrocytic mitochondrial biogenesis via L-type Ca 2+ channel-mediated PGC-1Î±/ERRÎ± activation. Biochemical and Biophysical Research Communications, 2016, 479, 297-304.	2.1	38
80	CLEC14A deficiency exacerbates neuronal loss by increasing blood-brain barrier permeability and inflammation. Journal of Neuroinflammation, 2020, 17, 48.	7.2	38
81	Direct endothelial junction restoration results in significant tumor vascular normalization and metastasis inhibition in mice. Oncotarget, 2014, 5, 2761-2777.	1.8	38
82	Decreased Endothelial Progenitor Cells in Umbilical Cord Blood in Severe Preeclampsia. Gynecologic and Obstetric Investigation, 2007, 64, 103-108.	1.6	37
83	Regulation of programmed cell death in neuronal cells by nitric oxide. In Vivo, 2004, 18, 367-76.	1.3	37
84	Sac-1004, a novel vascular leakage blocker, enhances endothelial barrier through the cAMP/Rac/cortactin pathway. Biochemical and Biophysical Research Communications, 2013, 435, 420-427.	2.1	35
85	The endothelial E3 ligase HECW2 promotes endothelial cell junctions by increasing AMOTL1 protein stability via K63-linked ubiquitination. Cellular Signalling, 2016, 28, 1642-1651.	3.6	35
86	Roles of YAP in mediating endothelial cell junctional stability and vascular remodeling. BMB Reports, 2015, 48, 429-430.	2.4	33
87	Roles of HIF-1Î±, VEGF, and NF-ÎºB in Ischemic Preconditioning-Mediated Neuroprotection of Hippocampal CA1 Pyramidal Neurons Against a Subsequent Transient Cerebral Ischemia. Molecular Neurobiology, 2017, 54, 6984-6998.	4.0	32
88	Neuroprotective Effect of a New Synthetic Aspirin-decursinol Adduct in Experimental Animal Models of Ischemic Stroke. PLoS ONE, 2013, 8, e74886.	2.5	31
89	TNF-Î± elicits phenotypic and functional alterations of vascular smooth muscle cells by miR-155-5pâ€“dependent down-regulation of cGMP-dependent kinase 1. Journal of Biological Chemistry, 2018, 293, 14812-14822.	3.4	31
90	A miRNA-101-3p/Bim axis as a determinant of serum deprivation-induced endothelial cell apoptosis. Cell Death and Disease, 2017, 8, e2808-e2808.	6.3	30

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91	Kurarinone promotes TRAIL-induced apoptosis by inhibiting NF-ÎºB-dependent cFLIP expression in HeLa cells. Experimental and Molecular Medicine, 2012, 44, 653.	7.7	29
92	Rk1, a Ginsenoside, Is a New Blocker of Vascular Leakage Acting through Actin Structure Remodeling. PLoS ONE, 2013, 8, e68659.	2.5	27
93	NF-ÎºB-responsive miR-155 induces functional impairment of vascular smooth muscle cells by downregulating soluble guanylyl cyclase. Experimental and Molecular Medicine, 2019, 51, 1-12.	7.7	27
94	Carbohydrate-binding protein CLEC14A regulates VEGFR-2â€“ and VEGFR-3â€“dependent signals during angiogenesis and lymphangiogenesis. Journal of Clinical Investigation, 2016, 127, 457-471.	8.2	27
95	BMP9 Induces Cord Bloodâ€“Derived Endothelial Progenitor Cell Differentiation and Ischemic Neovascularization via ALK1. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 2020-2031.	2.4	26
96	A Novel sLRP6E1E2 Inhibits Canonical Wnt Signaling, Epithelial-to-Mesenchymal Transition, and Induces Mitochondria-Dependent Apoptosis in Lung Cancer. PLoS ONE, 2012, 7, e36520.	2.5	25
97	REDDâ€1 aggravates endotoxinâ€induced inflammation VIA atypical NFâ€ÎºB activation. FASEB Journal, 2018, 32, 4585-4599.	0.5	25
98	MicroRNA-148a/b-3p regulates angiogenesis by targeting neuropilin-1 in endothelial cells. Experimental and Molecular Medicine, 2019, 51, 1-11.	7.7	25
99	Circulating miRNAs Associated with Dysregulated Vascular and Trophoblast Function as Target-Based Diagnostic Biomarkers for Preeclampsia. Cells, 2020, 9, 2003.	4.1	25
100	Heme oxygenase-1 (HO-1)/carbon monoxide (CO) axis suppresses RANKL-induced osteoclastic differentiation by inhibiting redox-sensitive NF-ÎºB activation. BMB Reports, 2017, 50, 103-108.	2.4	25
101	Interleukin-4 inhibits the vascular endothelial growth factor- and basic fibroblast growth factor-induced angiogenesis in vitro. Molecules and Cells, 2002, 14, 115-21.	2.6	25
102	Hhip regulates tumor-stroma-mediated upregulation of tumor angiogenesis. Experimental and Molecular Medicine, 2017, 49, e289-e289.	7.7	23
103	Heme oxygenase metabolites improve astrocytic mitochondrial function via a Ca2+-dependent HIF-1Î±/ERRÎ± circuit. PLoS ONE, 2018, 13, e0202039.	2.5	23
104	Changes and expressions of Redd1 in neurons and glial cells in the gerbil hippocampus proper following transient global cerebral ischemia. Journal of the Neurological Sciences, 2014, 344, 43-50.	0.6	20
105	Heterochromatin Protein 1 Alpha (HP1Î±: CBX5) is a Key Regulator in Differentiation of Endothelial Progenitor Cells to Endothelial Cells. Stem Cells, 2015, 33, 1512-1522.	3.2	20
106	Pericyte-Derived Dickkopf2 Regenerates Damaged Penile Neurovasculature Through an Angiopoietin-1-Tie2 Pathway. Diabetes, 2018, 67, 1149-1161.	0.6	20
107	Korean Red Ginseng protects endothelial cells from serum-deprived apoptosis by regulating Bcl-2 family protein dynamics and caspase S-nitrosylation. Journal of Ginseng Research, 2013, 37, 413-424.	5.7	18
108	Sac-0601 prevents retinal vascular leakage in a mouse model of diabetic retinopathy. European Journal of Pharmacology, 2011, 657, 35-40.	3.5	17

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109	Langerhans cell protein 1 (LCP1) binds to PNUTS in the nucleus: implications for this complex in transcriptional regulation. Experimental and Molecular Medicine, 2009, 41, 189.	7.7	16
110	Homeobox D1 regulates angiogenic functions of endothelial cells via integrin Î²1 expression. Biochemical and Biophysical Research Communications, 2011, 408, 186-192.	2.1	16
111	Misexpression of Dickkopf-1 in endothelial cells, but not in chondrocytes or hypertrophic chondrocytes, causes defects in endochondral ossification. Journal of Bone and Mineral Research, 2012, 27, 1335-1344.	2.8	15
112	Hydroquinone Strongly Alleviates Focal Ischemic Brain Injury via Blockage of Bloodâ€“Brain Barrier Disruption in Rats. Toxicological Sciences, 2016, 154, 430-441.	3.1	15
113	Stimulation of angiogenesis and survival of endothelial cells by human monoclonal Tie2 receptor antibody. Biomaterials, 2015, 51, 119-128.	11.4	14
114	Arginase II inhibition prevents interleukin-8 production through regulation of p38 MAPK phosphorylation activated by loss of mitochondrial membrane potential in nLDL-stimulated hAoSMCs. Experimental and Molecular Medicine, 2018, 50, e438-e438.	7.7	14
115	CU06-1004 (endothelial dysfunction blocker) ameliorates astrocyte end-feet swelling by stabilizing endothelial cell junctions in cerebral ischemia/reperfusion injury. Journal of Molecular Medicine, 2020, 98, 875-886.	3.9	14
116	Arg-Leu-Tyr-Glu tetrapeptide inhibits tumor progression by suppressing angiogenesis and vascular permeability via VEGF receptor-2 antagonism. Oncotarget, 2017, 8, 11763-11777.	1.8	14
117	Lipopolysaccharide induction of REDD1 is mediated by two distinct CREBâ€dependent mechanisms in macrophages. FEBS Letters, 2015, 589, 2859-2865.	2.8	13
118	LDB2 regulates the expression of DLL4 through the formation of oligomeric complexes in endothelial cells. BMB Reports, 2018, 51, 21-26.	2.4	13
119	Korean Red ginseng prevents endothelial senescence by downregulating the HO-1/NF-ÎºB/miRNA-155-5p/eNOS pathway. Journal of Ginseng Research, 2021, 45, 344-353.	5.7	13
120	CU06-1004 enhances vascular integrity and improves cardiac remodeling by suppressing edema and inflammation in myocardial ischemiaâ€“reperfusion injury. Experimental and Molecular Medicine, 2022, 54, 23-34.	7.7	13
121	Sac-1004, a Pseudo-Sugar Derivative of Cholesterol, Restores Erectile Function through Reconstruction of Nonleaky and Functional Cavernous Angiogenesis in the Streptozotocin Induced Diabetic Mouse. Journal of Urology, 2016, 195, 1936-1946.	0.4	12
122	Dickkopf2 rescues erectile function by enhancing penile neurovascular regeneration in a mouse model of cavernous nerve injury. Scientific Reports, 2017, 7, 17819.	3.3	12
123	CU06-1004-Induced Vascular Normalization Improves Immunotherapy by Modulating Tumor Microenvironment via Cytotoxic T Cells. Frontiers in Immunology, 2020, 11, 620166.	4.8	12
124	Extension of the in vivo half-life of endostatin and its improved anti-tumor activities upon fusion to a humanized antibody against tumor-associated glycoprotein 72 in a mouse model of human colorectal carcinoma. Oncotarget, 2015, 6, 7182-7194.	1.8	12
125	A small molecule inhibitor for ATPase activity of Hsp70 and Hsc70 enhances the immune response to protein antigens. Scientific Reports, 2015, 5, 17642.	3.3	11
126	Endothelial Snail Regulates Capillary Branching Morphogenesis via Vascular Endothelial Growth Factor Receptor 3 Expression. PLoS Genetics, 2015, 11, e1005324.	3.5	11

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127	Antiâ€angiogenic activity of thienopyridine derivative <scp>LCB</scp>03â€0110 by targeting <scp>VEGFR</scp>â€2 and <scp>JAK</scp>/<scp>STAT</scp>3 Signalling. Experimental Dermatology, 2015, 24, 503-509.	2.9	11
128	SALM4 regulates angiogenic functions in endothelial cells through VEGFR2 phosphorylation at Tyr1175. FASEB Journal, 2019, 33, 9842-9857.	0.5	11
129	Combined effect of vascular-leakage-blocker Sac-1004 and antiangiogenic drug sunitinib on tumor angiogenesis. Biochemical and Biophysical Research Communications, 2014, 450, 1320-1326.	2.1	10
130	The tetrapeptide Arg-Leu-Tyr-Glu inhibits VEGF-induced angiogenesis. Biochemical and Biophysical Research Communications, 2015, 463, 532-537.	2.1	10
131	N-Terminal Modification of the Tetrapeptide Arg-Leu-Tyr-Glu, a Vascular Endothelial Growth Factor Receptor-2 (VEGFR-2) Antagonist, Improves Antitumor Activity by Increasing its Stability against Serum Peptidases. Molecular Pharmacology, 2019, 96, 692-701.	2.3	10
132	NF-Îºb-dependent miR-31/155 biogenesis is essential for TNF-Î±-induced impairment of endothelial progenitor cell function. Experimental and Molecular Medicine, 2020, 52, 1298-1309.	7.7	10
133	Cholesterol-derived novel anti-apoptotic agents on the structural basis of ginsenoside Rk1. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 7102-7105.	2.2	9
134	Low-dose metronomic doxorubicin inhibits mobilization and differentiation of endothelial progenitor cells through REDD1-mediated VEGFR-2 downregulation. BMB Reports, 2021, 54, 470-475.	2.4	9
135	The effect of nicotine on the production of soluble fmsâ€like tyrosine kinaseâ€1 and soluble endoglin in human umbilical vein endothelial cells and trophoblasts. Acta Obstetricia Et Gynecologica Scandinavica, 2010, 89, 565-571.	2.8	8
136	Integrative analysis of DNA methylation and mRNA expression during differentiation of umbilical cord blood derived mononuclear cells to endothelial cells. Gene, 2017, 635, 48-60.	2.2	8
137	Arginase Inhibition Suppresses Native Low-Density Lipoprotein-Stimulated Vascular Smooth Muscle Cell Proliferation by NADPH Oxidase Inactivation. Yonsei Medical Journal, 2018, 59, 366.	2.2	8
138	CU06-1004 Alleviates Experimental Colitis by Modulating Colonic Vessel Dysfunction. Frontiers in Pharmacology, 2020, 11, 571266.	3.5	8
139	REDD1 is a determinant of low-dose metronomic doxorubicin-elicited endothelial cell dysfunction through downregulation of VEGFR-2/3 expression. Experimental and Molecular Medicine, 2021, 53, 1612-1622.	7.7	8
140	Mel-18, a mammalian Polycomb gene, regulates angiogenic gene expression of endothelial cells. Biochemical and Biophysical Research Communications, 2010, 400, 523-530.	2.1	7
141	The endothelial dysfunction blocker CU06-1004 ameliorates choline-deficient L-amino acid diet-induced non-alcoholic steatohepatitis in mice. PLoS ONE, 2020, 15, e0243497.	2.5	7
142	Arg-Leu-Tyr-Glu Suppresses Retinal Endothelial Permeability and Choroidal Neovascularization by Inhibiting the VEGF Receptor 2 Signaling Pathway. Biomolecules and Therapeutics, 2019, 27, 474-483.	2.4	7
143	Human plasminogen-derived N-acetyl-Arg-Leu-Tyr-Glu antagonizes VEGFR-2 to prevent blood-retinal barrier breakdown in diabetic mice. Biomedicine and Pharmacotherapy, 2021, 134, 111110.	5.6	6
144	Stabilization of Intrinsically Disordered DKK2 Protein by Fusion to RNA-Binding Domain. International Journal of Molecular Sciences, 2019, 20, 2847.	4.1	5

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145	CU06-1004 modulates the adenosine monophosphate (AMP)-associated protein kinase (AMPK) signaling pathway and inhibits lipogenesis in 3T3-L1 adipocytes and high-fat diet-induced obese mice. Life Sciences, 2022, 296, 120440.	4.3	5
146	Primaquine Diphosphate, a Known Antimalarial Drug, Blocks Vascular Leakage Acting Through Junction Stabilization. Frontiers in Pharmacology, 2021, 12, 695009.	3.5	4
147	Glucal-conjugated sterols as novel vascular leakage blocker: Structureâ€“activity relationship focusing on the C17-side chain. European Journal of Medicinal Chemistry, 2014, 75, 184-194.	5.5	3
148	Extract of Moutan radicis cortex and Cinnamomi ramulus ameliorates laser-induced choroidal neovascularization in Brown-Norway rats. Phytomedicine, 2022, 94, 153794.	5.3	2
149	DIX domain containing 1 (DIXDC1) modulates VEGFR2 level in vasculatures to regulate embryonic and postnatal retina angiogenesis. BMC Biology, 2022, 20, 41.	3.8	2
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