Yoon Kyung Choi

List of Publications by Year
in descending order

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45	2,224	257101 24	253896 43
papers	citations	h-index	g-index

46	46	46	3208
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SSeCKS regulates angiogenesis and tight junction formation in blood-brain barrier. Nature Medicine, 2003, 9, 900-906.	15.2	437
2	Heme Oxygenase in the Regulation of Vascular Biology: From Molecular Mechanisms to Therapeutic Opportunities. Antioxidants and Redox Signaling, 2011, 14, 137-167.	2.5	194
3	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.	1.6	131
4	Dual effects of carbon monoxide on pericytes and neurogenesis in traumatic brain injury. Nature Medicine, 2016, 22, 1335-1341.	15.2	123
5	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.	1.3	109
6	The Role of Astrocytes in the Central Nervous System Focused on BK Channel and Heme Oxygenase Metabolites: A Review. Antioxidants, 2019, 8, 121.	2.2	107
7	Blood-neural barrier: its diversity and coordinated cell-to-cell communication. BMB Reports, 2008, 41, 345-352.	1.1	107
8	AKAP12 Regulates Human Blood-Retinal Barrier Formation by Downregulation of Hypoxia-Inducible Factor-1Â. Journal of Neuroscience, 2007, 27, 4472-4481.	1.7	91
9	Potential interactions between pericytes and oligodendrocyte precursor cells in perivascular regions of cerebral white matter. Neuroscience Letters, 2015, 597, 164-169.	1.0	87
10	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.	1.3	51
11	Blood-brain barrier interfaces and brain tumors. Archives of Pharmacal Research, 2006, 29, 265-275.	2.7	49
12	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.	2.5	45
13	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.	3.2	43
14	Regenerative Effects of Heme Oxygenase Metabolites on Neuroinflammatory Diseases. International Journal of Molecular Sciences, 2019, 20, 78.	1.8	40
15	The Farnesyltransferase Inhibitor LB42708 Suppresses Vascular Endothelial Growth Factor-Induced Angiogenesis by Inhibiting Ras-dependent Mitogen-Activated Protein Kinase and Phosphatidylinositol 3-Kinase/Akt Signal Pathways. Molecular Pharmacology, 2010, 78, 142-150.	1.0	39
16	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.	1.0	38
17	Repair Mechanisms of the Neurovascular Unit after Ischemic Stroke with a Focus on VEGF. International Journal of Molecular Sciences, 2021, 22, 8543.	1.8	37
18	AKAP12 induces apoptotic cell death in human fibrosarcoma cells by regulating CDKI-cyclin D1 and caspase-3 activity. Cancer Letters, 2007, 254, 111-118.	3.2	35

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19	Regulation of ROS Production and Vascular Function by Carbon Monoxide. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-17.	1.9	35
20	TRAIL negatively regulates VEGF-induced angiogenesis via caspase-8-mediated enzymatic and non-enzymatic functions. Angiogenesis, 2014, 17, 179-194.	3.7	34
21	The Role of a Neurovascular Signaling Pathway Involving Hypoxia-Inducible Factor and Notch in the Function of the Central Nervous System. Biomolecules and Therapeutics, 2020, 28, 45-57.	1.1	31
22	AKAP12 regulates vascular integrity in zebrafish. Experimental and Molecular Medicine, 2012, 44, 225.	3.2	29
23	A-Kinase Anchor Protein 12 Is Required for Oligodendrocyte Differentiation in Adult White Matter. Stem Cells, 2018, 36, 751-760.	1.4	27
24	Role of Carbon Monoxide in Neurovascular Repair Processing. Biomolecules and Therapeutics, 2018, 26, 93-100.	1.1	26
25	Neuromedin B induces angiogenesis via activation of ERK and Akt in endothelial cells. Experimental Cell Research, 2009, 315, 3359-3369.	1.2	25
26	REDDâ€1 aggravates endotoxinâ€induced inflammation VIA atypical NFâ€ÎºB activation. FASEB Journal, 2018, 32, 4585-4599.	0.2	25
27	AKAP12 in astrocytes induces barrier functions in human endothelial cells through protein kinase CÎ¶. FEBS Journal, 2008, 275, 2338-2353.	2.2	23
28	Heme oxygenase metabolites improve astrocytic mitochondrial function via a Ca2+-dependent HIF-1Î±/ERRÎ± circuit. PLoS ONE, 2018, 13, e0202039.	1.1	23
29	Angiogenic role of orexin-A via the activation of extracellular signal-regulated kinase in endothelial cells. Biochemical and Biophysical Research Communications, 2010, 403, 59-65.	1.0	22
30	Regulation of Endothelial and Vascular Functions by Carbon Monoxide via Crosstalk With Nitric Oxide. Frontiers in Cardiovascular Medicine, 2021, 8, 649630.	1.1	20
31	Beneficial and Detrimental Roles of Heme Oxygenase-1 in the Neurovascular System. International Journal of Molecular Sciences, 2022, 23, 7041.	1.8	17
32	Regenerative Potential of Carbon Monoxide in Adult Neural Circuits of the Central Nervous System. International Journal of Molecular Sciences, 2020, 21, 2273.	1.8	16
33	Involvement of Heme Oxygenase-1 in Orexin-A-induced Angiogenesis in Vascular Endothelial Cells. Korean Journal of Physiology and Pharmacology, 2015, 19, 327.	0.6	15
34	Activation of microglial Tollâ€like receptor 3 promotes neuronal survival against cerebral ischemia. Journal of Neurochemistry, 2016, 136, 851-858.	2.1	14
35	A positive circuit of VEGF increases Glut-1 expression by increasing HIF-1Î± gene expression in human retinal endothelial cells. Archives of Pharmacal Research, 2017, 40, 1433-1442.	2.7	13
36	Effect of fingolimod on oligodendrocyte maturation under prolonged cerebral hypoperfusion. Brain Research, 2019, 1720, 146294.	1.1	11

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37	AKAP12 Supports Blood-Brain Barrier Integrity against Ischemic Stroke. International Journal of Molecular Sciences, 2020, 21, 9078.	1.8	11
38	Role of ginseng in the neurovascular unit of neuroinflammatory diseases focused on the blood-brain barrier. Journal of Ginseng Research, 2021, 45, 599-609.	3.0	11
39	Korean Red Ginseng Improves Astrocytic Mitochondrial Function by Upregulating HO-1-Mediated AMPKÎ±â€“PGC-1Î±â€“ERRÎ± Circuit after Traumatic Brain Injury. International Journal of Molecular Sciences, 2021, 22, 13081.	1.8	11
40	Dual Effects of Korean Red Ginseng on Astrocytes and Neural Stem Cells in Traumatic Brain Injury: The HO-1â€“Tom20 Axis as a Putative Target for Mitochondrial Function. Cells, 2022, 11, 892.	1.8	10
41	A Novel Probe with a Chlorinated Î±-Cyanoacetophenone Acceptor Moiety Shows Near-Infrared Fluorescence Specific for Tau Fibrils. Chemical and Pharmaceutical Bulletin, 2017, 65, 1113-1116.	0.6	5
42	Prophylactic role of Korean Red Ginseng in astrocytic mitochondrial biogenesis through HIF-1Î±. Journal of Ginseng Research, 2022, 46, 408-417.	3.0	4
43	Oxygen regulates brain angiogenesis and tight junction formation in bloodâ€“brain barrier. International Congress Series, 2004, 1262, 287-291.	0.2	2
44	Epigallocatechinâ€3â€gallate (<scp>EGCG</scp>) Serves as a Novel Scaffold for Designing an Inhibitor of Plasminogen Activator Inhibitorâ€1 (<scp>PAI</scp>â€1). Bulletin of the Korean Chemical Society, 2017, 38, 964-967.	1.0	0
45	Role of Carbon Monoxide in Traumatic Brain Injury Repair. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY8-3.	0.0	0