

# Yoon Kyung Choi

## List of Publications by Year in descending order

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45  
papers

2,224  
citations

257101

24  
h-index

253896

43  
g-index

46  
all docs

46  
docs citations

46  
times ranked

3208  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prophylactic role of Korean Red Ginseng in astrocytic mitochondrial biogenesis through HIF-1 $\alpha$ . Journal of Ginseng Research, 2022, 46, 408-417.	3.0	4
2	Dual Effects of Korean Red Ginseng on Astrocytes and Neural Stem Cells in Traumatic Brain Injury: The HO-1 $\alpha$ -Tom20 Axis as a Putative Target for Mitochondrial Function. Cells, 2022, 11, 892.	1.8	10
3	Beneficial and Detrimental Roles of Heme Oxygenase-1 in the Neurovascular System. International Journal of Molecular Sciences, 2022, 23, 7041.	1.8	17
4	Regulation of Endothelial and Vascular Functions by Carbon Monoxide via Crosstalk With Nitric Oxide. Frontiers in Cardiovascular Medicine, 2021, 8, 649630.	1.1	20
5	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
6	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
7	Korean Red Ginseng Improves Astrocytic Mitochondrial Function by Upregulating HO-1-Mediated AMPK $\alpha$ -PGC-1 $\alpha$ -ERR $\alpha$ Circuit after Traumatic Brain Injury. International Journal of Molecular Sciences, 2021, 22, 13081.	1.8	11
8	AKAP12 Supports Blood-Brain Barrier Integrity against Ischemic Stroke. International Journal of Molecular Sciences, 2020, 21, 9078.	1.8	11
9	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
10	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
11	Effect of fingolimod on oligodendrocyte maturation under prolonged cerebral hypoperfusion. Brain Research, 2019, 1720, 146294.	1.1	11
12	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
13	Regenerative Effects of Heme Oxygenase Metabolites on Neuroinflammatory Diseases. International Journal of Molecular Sciences, 2019, 20, 78.	1.8	40
14	A-Kinase Anchor Protein 12 Is Required for Oligodendrocyte Differentiation in Adult White Matter. Stem Cells, 2018, 36, 751-760.	1.4	27
15	Heme oxygenase metabolites improve astrocytic mitochondrial function via a Ca <sup>2+</sup> -dependent HIF-1 $\alpha$ /ERR $\alpha$ circuit. PLoS ONE, 2018, 13, e0202039.	1.1	23
16	REDD $\alpha$ aggravates endotoxin-induced inflammation via atypical NF $\kappa$ B activation. FASEB Journal, 2018, 32, 4585-4599.	0.2	25
17	Role of Carbon Monoxide in Neurovascular Repair Processing. Biomolecules and Therapeutics, 2018, 26, 93-100.	1.1	26
18	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

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19	Aspirin prevents TNF- $\alpha$ -induced endothelial cell dysfunction by regulating the NF- $\kappa$ B-dependent miR-155/eNOS pathway: Role of a miR-155/eNOS axis in preeclampsia. <i>Free Radical Biology and Medicine</i> , 2017, 104, 185-198.	1.3	109
20	A positive circuit of VEGF increases Glut-1 expression by increasing HIF-1 $\alpha$ gene expression in human retinal endothelial cells. <i>Archives of Pharmacal Research</i> , 2017, 40, 1433-1442.	2.7	13
21	Epigallocatechin-3-gallate (EGCG) Serves as a Novel Scaffold for Designing an Inhibitor of Plasminogen Activator Inhibitor-1 (PAI-1). <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 964-967.	1.0	0
22	Carbon Monoxide Potentiation of L-Type Ca <sup>2+</sup> Channel Activity Increases HIF-1 $\alpha$ -Independent VEGF Expression via an AMPK $\alpha$ /SIRT1-Mediated PGC-1 $\alpha$ /ERR $\alpha$ Axis. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 21-36.	2.5	45
23	Carbon monoxide prevents TNF- $\alpha$ -induced eNOS downregulation by inhibiting NF- $\kappa$ B-responsive miR-155-5p biogenesis. <i>Experimental and Molecular Medicine</i> , 2017, 49, e403-e403.	3.2	43
24	A Novel Probe with a Chlorinated $\alpha$ -Cyanoacetophenone Acceptor Moiety Shows Near-Infrared Fluorescence Specific for Tau Fibrils. <i>Chemical and Pharmaceutical Bulletin</i> , 2017, 65, 1113-1116.	0.6	5
25	Dual effects of carbon monoxide on pericytes and neurogenesis in traumatic brain injury. <i>Nature Medicine</i> , 2016, 22, 1335-1341.	15.2	123
26	Carbon monoxide stimulates astrocytic mitochondrial biogenesis via L-type Ca <sup>2+</sup> channel-mediated PGC-1 $\alpha$ /ERR $\alpha$ activation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 297-304.	1.0	38
27	Activation of microglial Toll-like receptor 3 promotes neuronal survival against cerebral ischemia. <i>Journal of Neurochemistry</i> , 2016, 136, 851-858.	2.1	14
28	Involvement of Heme Oxygenase-1 in Orexin-A-induced Angiogenesis in Vascular Endothelial Cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2015, 19, 327.	0.6	15
29	Potential interactions between pericytes and oligodendrocyte precursor cells in perivascular regions of cerebral white matter. <i>Neuroscience Letters</i> , 2015, 597, 164-169.	1.0	87
30	TRAIL negatively regulates VEGF-induced angiogenesis via caspase-8-mediated enzymatic and non-enzymatic functions. <i>Angiogenesis</i> , 2014, 17, 179-194.	3.7	34
31	AKAP12 regulates vascular integrity in zebrafish. <i>Experimental and Molecular Medicine</i> , 2012, 44, 225.	3.2	29
32	Functional dissection of Nrf2-dependent phase II genes in vascular inflammation and endotoxic injury using Keap1 siRNA. <i>Free Radical Biology and Medicine</i> , 2012, 53, 629-640.	1.3	51
33	Regulation of ROS Production and Vascular Function by Carbon Monoxide. <i>Oxidative Medicine and Cellular Longevity</i> , 2012, 2012, 1-17.	1.9	35
34	Heme Oxygenase in the Regulation of Vascular Biology: From Molecular Mechanisms to Therapeutic Opportunities. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 137-167.	2.5	194
35	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. <i>Molecular Pharmacology</i> , 2010, 78, 142-150.	1.0	39
36	Carbon Monoxide Promotes VEGF Expression by Increasing HIF-1 $\alpha$ Protein Level via Two Distinct Mechanisms, Translational Activation and Stabilization of HIF-1 $\alpha$ Protein. <i>Journal of Biological Chemistry</i> , 2010, 285, 32116-32125.	1.6	131

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37	Angiogenic role of orexin-A via the activation of extracellular signal-regulated kinase in endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 403, 59-65.	1.0	22
38	Neuromedin B induces angiogenesis via activation of ERK and Akt in endothelial cells. <i>Experimental Cell Research</i> , 2009, 315, 3359-3369.	1.2	25
39	AKAP12 in astrocytes induces barrier functions in human endothelial cells through protein kinase C $\eta$ . <i>FEBS Journal</i> , 2008, 275, 2338-2353.	2.2	23
40	Blood-neural barrier: its diversity and coordinated cell-to-cell communication. <i>BMB Reports</i> , 2008, 41, 345-352.	1.1	107
41	AKAP12 Regulates Human Blood-Retinal Barrier Formation by Downregulation of Hypoxia-Inducible Factor-1 $\alpha$ . <i>Journal of Neuroscience</i> , 2007, 27, 4472-4481.	1.7	91
42	AKAP12 induces apoptotic cell death in human fibrosarcoma cells by regulating CDKI-cyclin D1 and caspase-3 activity. <i>Cancer Letters</i> , 2007, 254, 111-118.	3.2	35
43	Blood-brain barrier interfaces and brain tumors. <i>Archives of Pharmacal Research</i> , 2006, 29, 265-275.	2.7	49
44	Oxygen regulates brain angiogenesis and tight junction formation in blood-brain barrier. <i>International Congress Series</i> , 2004, 1262, 287-291.	0.2	2
45	SSeCKS regulates angiogenesis and tight junction formation in blood-brain barrier. <i>Nature Medicine</i> , 2003, 9, 900-906.	15.2	437