

Kwon-Soo Ha

List of Publications by Year in descending order

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241
papers

7,665
citations

50170

46
h-index

74018

75
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245
all docs

245
docs citations

245
times ranked

10959
citing authors

#	ARTICLE	IF	CITATIONS
1	Nestin Is Required for the Proper Self-Renewal of Neural Stem Cells. <i>Stem Cells</i> , 2010, 28, 2162-2171.	1.4	278
2	The non-provitamin A carotenoid, lutein, inhibits NF- κ B-dependent gene expression through redox-based regulation of the phosphatidylinositol 3-kinase/PTEN/Akt and NF- κ B-inducing kinase pathways: Role of H ₂ O ₂ in NF- κ B activation. <i>Free Radical Biology and Medicine</i> , 2008, 45, 885-896.	1.3	225
3	β -Carotene inhibits inflammatory gene expression in lipopolysaccharide-stimulated macrophages by suppressing redox-based NF- κ B activation. <i>Experimental and Molecular Medicine</i> , 2005, 37, 323-334.	3.2	209
4	Astaxanthin inhibits nitric oxide production and inflammatory gene expression by suppressing I(κ)B kinase-dependent NF- κ B activation. <i>Molecules and Cells</i> , 2003, 16, 97-105.	1.0	186
5	Fractalkine stimulates angiogenesis by activating the Raf-1/MEK/ERK- and PI3K/Akt/eNOS-dependent signal pathways. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H2836-H2846.	1.5	171
6	Icariin stimulates angiogenesis by activating the MEK/ERK- and PI3K/Akt/eNOS-dependent signal pathways in human endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2008, 376, 404-408.	1.0	152
7	Nitric oxide prevents 6-hydroxydopamine-induced apoptosis in PC12 cells through cGMP-dependent PI3 kinase/Akt activation. <i>FASEB Journal</i> , 2003, 17, 1036-1047.	0.2	145
8	Multiple paracrine factors secreted by mesenchymal stem cells contribute to angiogenesis. <i>Vascular Pharmacology</i> , 2014, 63, 19-28.	1.0	144
9	C-Peptide Activates AMPK α and Prevents ROS-Mediated Mitochondrial Fission and Endothelial Apoptosis in Diabetes. <i>Diabetes</i> , 2013, 62, 3851-3862.	0.3	139
10	Carbon Monoxide Promotes VEGF Expression by Increasing HIF-1 α Protein Level via Two Distinct Mechanisms, Translational Activation and Stabilization of HIF-1 α Protein. <i>Journal of Biological Chemistry</i> , 2010, 285, 32116-32125.	1.6	131
11	Transglutaminase 2: a multi-functional protein in multiple subcellular compartments. <i>Amino Acids</i> , 2010, 39, 619-631.	1.2	128
12	Hydrogen Peroxide Activates p70S6k Signaling Pathway. <i>Journal of Biological Chemistry</i> , 1999, 274, 32596-32602.	1.6	127
13	Mechanisms underlying TGF- β 1-induced expression of VEGF and Flk-1 in mouse macrophages and their implications for angiogenesis. <i>Journal of Leukocyte Biology</i> , 2007, 81, 557-566.	1.5	127
14	DNA looping-mediated repression by histone-like protein H-NS: specific requirement of E α 70 as a cofactor for looping. <i>Genes and Development</i> , 2005, 19, 2388-2398.	2.7	124
15	One Micrometer Resolution NMR Microscopy. <i>Journal of Magnetic Resonance</i> , 2001, 150, 207-213.	1.2	123
16	New Insights into the Mechanisms for Photodynamic Therapy-Induced Cancer Cell Death. <i>International Review of Cell and Molecular Biology</i> , 2012, 295, 139-174.	1.6	122
17	Prostaglandin E ₂ stimulates angiogenesis by activating the nitric oxide/cGMP pathway in human umbilical vein endothelial cells. <i>Experimental and Molecular Medicine</i> , 2005, 37, 588-600.	3.2	115
18	C-Peptide Prevents Hyperglycemia-Induced Endothelial Apoptosis Through Inhibition of Reactive Oxygen Species-Mediated Transglutaminase 2 Activation. <i>Diabetes</i> , 2013, 62, 243-253.	0.3	109

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19	Aspirin prevents TNF- α -induced endothelial cell dysfunction by regulating the NF- κ 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	Forskolin increases angiogenesis through the coordinated cross-talk of PKA-dependent VEGF expression and Epac-mediated PI3K/Akt/eNOS signaling. <i>Cellular Signalling</i> , 2009, 21, 906-915.	1.7	105
21	Immunoproteomics Profiling of Blood Stage <i>Plasmodium vivax</i> Infection by High-Throughput Screening Assays. <i>Journal of Proteome Research</i> , 2010, 9, 6479-6489.	1.8	104
22	Methanol extract of <i>Cordyceps pruinosa</i> inhibits in vitro and in vivo inflammatory mediators by suppressing NF- κ B activation. <i>Toxicology and Applied Pharmacology</i> , 2003, 190, 1-8.	1.3	87
23	Hypoxia-Responsive MicroRNA-101 Promotes Angiogenesis via Heme Oxygenase-1/Vascular Endothelial Growth Factor Axis by Targeting Cullin 3. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 2469-2482.	2.5	81
24	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. <i>Biological and Pharmaceutical Bulletin</i> , 2007, 30, 1674-1679.	0.6	80
25	Functional role of NF- κ B in expression of human endothelial nitric oxide synthase. <i>Biochemical and Biophysical Research Communications</i> , 2014, 448, 101-107.	1.0	75
26	Serum bioactive lysophospholipids prevent TRAIL-induced apoptosis via PI3K/Akt-dependent cFLIP expression and Bad phosphorylation. <i>Cell Death and Differentiation</i> , 2004, 11, 1287-1298.	5.0	74
27	Nitric Oxide Inhibition of Homocysteine-induced Human Endothelial Cell Apoptosis by Down-regulation of p53-dependent Noxa Expression through the Formation of S-Nitrosohomocysteine. <i>Journal of Biological Chemistry</i> , 2005, 280, 5781-5788.	1.6	66
28	Nitric oxide suppresses inducible nitric oxide synthase expression by inhibiting post-translational modification of I κ B. <i>Experimental and Molecular Medicine</i> , 2004, 36, 311-324.	3.2	65
29	NF- κ B-responsive miRNA-31-5p elicits endothelial dysfunction associated with preeclampsia via down-regulation of endothelial nitric-oxide synthase. <i>Journal of Biological Chemistry</i> , 2018, 293, 18989-19000.	1.6	64
30	Analysis of protein interactions on protein arrays by a novel spectral surface plasmon resonance imaging. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1521-1528.	5.3	63
31	Activation of in situ tissue transglutaminase by intracellular reactive oxygen species. <i>Biochemical and Biophysical Research Communications</i> , 2003, 305, 633-640.	1.0	62
32	Proteomic applications of surface plasmon resonance biosensors: analysis of protein arrays. <i>Experimental and Molecular Medicine</i> , 2005, 37, 1-10.	3.2	62
33	C-peptide replacement therapy as an emerging strategy for preventing diabetic vasculopathy. <i>Cardiovascular Research</i> , 2014, 104, 234-244.	1.8	60
34	Isolation and Characterization of Guamerin, a New Human Leukocyte Elastase Inhibitor from <i>Hirudo nipponia</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 13879-13884.	1.6	58
35	Phosphatidic Acid-induced Elevation of Intracellular Ca ²⁺ Is Mediated by RhoA and H ₂ O ₂ in Rat-2 Fibroblasts. <i>Journal of Biological Chemistry</i> , 1998, 273, 12710-12715.	1.6	58
36	Prevention of VEGF-mediated microvascular permeability by C-peptide in diabetic mice. <i>Cardiovascular Research</i> , 2014, 101, 155-164.	1.8	57

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37	Profiling the humoral immune responses to Plasmodium vivax infection and identification of candidate immunogenic rhoptry-associated membrane antigen (RAMA). Journal of Proteomics, 2014, 102, 66-82.	1.2	55
38	Proinsulin C-Peptide Prevents Impaired Wound Healing by Activating Angiogenesis in Diabetes. Journal of Investigative Dermatology, 2015, 135, 269-278.	0.3	55
39	Dexamethasone protects primary cultured hepatocytes from death receptor-mediated apoptosis by upregulation of cFLIP. Cell Death and Differentiation, 2006, 13, 512-523.	5.0	53
40	Tetraspanin CD151 Stimulates Adhesion-dependent Activation of Ras, Rac, and Cdc42 by Facilitating Molecular Association between β 1 Integrins and Small GTPases. Journal of Biological Chemistry, 2012, 287, 32027-32039.	1.6	52
41	Involvement of cytosolic phospholipase A2, and the subsequent release of arachidonic acid, in signalling by Rac for the generation of intracellular reactive oxygen species in Rat-2 fibroblasts. Biochemical Journal, 2000, 348, 525-530.	1.7	51
42	COX-2 regulates p53 activity and inhibits DNA damage-induced apoptosis. Biochemical and Biophysical Research Communications, 2005, 328, 1107-1112.	1.0	51
43	4-O-Methylgallic acid suppresses inflammation-associated gene expression by inhibition of redox-based NF- κ B activation. International Immunopharmacology, 2006, 6, 1597-1608.	1.7	51
44	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
45	Analysis of protein interactions on protein arrays by a wavelength interrogation-based surface plasmon resonance biosensor. Proteomics, 2004, 4, 3468-3476.	1.3	49
46	Agonist-specific differential changes of cellular signal transduction pathways in senescent human diploid fibroblasts. Experimental Gerontology, 2002, 37, 871-883.	1.2	48
47	Specific Activation of Insulin-like Growth Factor-1 Receptor by Ginsenoside Rg5 Promotes Angiogenesis and Vasorelaxation. Journal of Biological Chemistry, 2015, 290, 467-477.	1.6	48
48	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.	1.3	46
49	Angiogenic activity of sesamin through the activation of multiple signal pathways. Biochemical and Biophysical Research Communications, 2010, 391, 254-260.	1.0	45
50	Carbon Monoxide Potentiation of L-Type Ca ²⁺ Channel Activity Increases HIF-1 α -Independent VEGF Expression via an AMPK α /SIRT1-Mediated PGC-1 α /ERR α Axis. Antioxidants and Redox Signaling, 2017, 27, 21-36.	2.5	45
51	High-throughput analysis of GST-fusion protein expression and activity-dependent protein interactions on GST-fusion protein arrays with a spectral surface plasmon resonance biosensor. Proteomics, 2006, 6, 1110-1120.	1.3	43
52	Ginseng Berry Extract Prevents Atherogenesis via Anti-Inflammatory Action by Upregulating Phase II Gene Expression. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-14.	0.5	43
53	Carbon monoxide prevents TNF α -induced eNOS downregulation by inhibiting NF- κ B-responsive miR-155-5p biogenesis. Experimental and Molecular Medicine, 2017, 49, e403-e403.	3.2	43
54	Inhibition of Farnesyltransferase Prevents Collagen-Induced Arthritis by Down-Regulation of Inflammatory Gene Expression through Suppression of p21 ^{ras} -Dependent NF- κ B Activation. Journal of Immunology, 2004, 173, 1276-1283.	0.4	42

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55	The Plasmodium vivax Merozoite Surface Protein 1 Paralog Is a Novel Erythrocyte-Binding Ligand of P. vivax. <i>Infection and Immunity</i> , 2013, 81, 1585-1595.	1.0	42
56	Silica-Induced Generation of Reactive Oxygen Species in Rat2 Fibroblast: Role in Activation of Mitogen-Activated Protein Kinase. <i>Biochemical and Biophysical Research Communications</i> , 1999, 262, 708-712.	1.0	41
57	Co-localization of inducible nitric oxide synthase and phosphorylated Akt in the lesional skins of patients with melasma. <i>Journal of Dermatology</i> , 2009, 36, 10-16.	0.6	41
58	Syngaresinol causes vasorelaxation by elevating nitric oxide production through the phosphorylation and dimerization of endothelial nitric oxide synthase. <i>Experimental and Molecular Medicine</i> , 2012, 44, 191.	3.2	41
59	p-Hydroxybenzyl alcohol-containing biodegradable nanoparticle improves functional blood flow through angiogenesis in a mouse model of hindlimb ischemia. <i>Biomaterials</i> , 2015, 53, 679-687.	5.7	41
60	Essential Role of Transglutaminase 2 in Vascular Endothelial Growth Factor-Induced Vascular Leakage in the Retina of Diabetic Mice. <i>Diabetes</i> , 2016, 65, 2414-2428.	0.3	41
61	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
62	Identification of a reticulocyte-specific binding domain of Plasmodium vivax reticulocyte-binding protein 1 that is homologous to the PfRh4 erythrocyte-binding domain. <i>Scientific Reports</i> , 2016, 6, 26993.	1.6	39
63	Carbon monoxide stimulates astrocytic mitochondrial biogenesis via L-type Ca ²⁺ channel-mediated PGC-1 α /ERR α activation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 297-304.	1.0	38
64	Proteome Analysis of Aniline-Induced Proteins in Acinetobacter lwoffii K24. <i>Current Microbiology</i> , 2002, 44, 61-66.	1.0	37
65	Transglutaminase 2 Promotes Both Caspase-dependent and Caspase-independent Apoptotic Cell Death via the Calpain/Bax Protein Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2012, 287, 14377-14388.	1.6	37
66	Fucosylated glycoproteomic approach to identify a complement component 9 associated with squamous cell lung cancer (SQLC). <i>Journal of Proteomics</i> , 2011, 74, 2948-2958.	1.2	35
67	Pv12, a 6-Cys antigen of Plasmodium vivax, is localized to the merozoite rhoptry. <i>Parasitology International</i> , 2012, 61, 443-449.	0.6	35
68	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
69	Characterization of surface plasmon resonance wavelength by changes of protein concentration on protein chips. <i>Sensors and Actuators B: Chemical</i> , 2003, 94, 161-164.	4.0	33
70	Downstream components of RhoA required for signal pathway of superoxide formation during phagocytosis of serum opsonized zymosans in macrophages. <i>Experimental and Molecular Medicine</i> , 2005, 37, 575-587.	3.2	32
71	Analysis of C-Reactive Protein on Amide-Linked N-Hydroxysuccinimide-Dextran Arrays with a Spectral Surface Plasmon Resonance Biosensor for Serodiagnosis. <i>Analytical Chemistry</i> , 2007, 79, 5703-5710.	3.2	32
72	Desmethylanhydroicaritin inhibits NF- κ B-regulated inflammatory gene expression by modulating the redox-sensitive PI3K/PTEN/Akt pathway. <i>European Journal of Pharmacology</i> , 2009, 602, 422-431.	1.7	32

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73	Extracellular taurine induces angiogenesis by activating ERK-, Akt-, and FAK-dependent signal pathways. <i>European Journal of Pharmacology</i> , 2012, 674, 188-199.	1.7	32
74	Quantum-dot-assisted fluorescence resonance energy transfer approach for intracellular trafficking of chitosan/DNA complex. <i>Acta Biomaterialia</i> , 2008, 4, 791-798.	4.1	31
75	Label-free and quantitative analysis of C-reactive protein in human sera by tagged-internal standard assay on antibody arrays. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1469-1473.	5.3	31
76	TNF- α elicits phenotypic and functional alterations of vascular smooth muscle cells by miR-155-5p-dependent down-regulation of cGMP-dependent kinase 1. <i>Journal of Biological Chemistry</i> , 2018, 293, 14812-14822.	1.6	31
77	A miRNA-101-3p/Bim axis as a determinant of serum deprivation-induced endothelial cell apoptosis. <i>Cell Death and Disease</i> , 2017, 8, e2808-e2808.	2.7	30
78	Kurarinone promotes TRAIL-induced apoptosis by inhibiting NF- κ B-dependent cFLIP expression in HeLa cells. <i>Experimental and Molecular Medicine</i> , 2012, 44, 653.	3.2	29
79	Arachidonic acid activates tissue transglutaminase and stress fiber formation via intracellular reactive oxygen species. <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 819-826.	1.0	28
80	Sensitivity of ex situ and in situ spectral surface plasmon resonance sensors in the analysis of protein arrays. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2189-2196.	5.3	28
81	Immunoprofiling of the Tryptophan-Rich Antigen Family in <i>Plasmodium vivax</i> . <i>Infection and Immunity</i> , 2015, 83, 3083-3095.	1.0	28
82	<i>Plasmodium vivax</i> GPI-anchored micronemal antigen (PvGAMA) binds human erythrocytes independent of Duffy antigen status. <i>Scientific Reports</i> , 2016, 6, 35581.	1.6	28
83	Real-Time Measurement of Intracellular Reactive Oxygen Species Using Mito Tracker Orange (CMH2TMRos). <i>Bioscience Reports</i> , 2001, 21, 341-352.	1.1	27
84	COX-2 inhibits anoikis by activation of the PI-3K/Akt pathway in human bladder cancer cells. <i>Experimental and Molecular Medicine</i> , 2005, 37, 199-203.	3.2	27
85	Amiloride potentiates TRAIL-induced tumor cell apoptosis by intracellular acidification-dependent Akt inactivation. <i>Biochemical and Biophysical Research Communications</i> , 2005, 326, 752-758.	1.0	27
86	NF- κ B-responsive miR-155 induces functional impairment of vascular smooth muscle cells by downregulating soluble guanylyl cyclase. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-12.	3.2	27
87	Roles of RhoA and Phospholipase A2 in the Elevation of Intracellular H ₂ O ₂ by Transforming Growth Factor- β 2 in Swiss 3T3 Fibroblasts. <i>Cellular Signalling</i> , 1999, 11, 677-683.	1.7	26
88	4-O-methylgallic acid down-regulates endothelial adhesion molecule expression by inhibiting NF- κ B-DNA-binding activity. <i>European Journal of Pharmacology</i> , 2006, 551, 143-151.	1.7	26
89	Aqueous extract of unripe <i>Rubus coreanus</i> fruit attenuates atherosclerosis by improving blood lipid profile and inhibiting NF- κ B activation via phase II gene expression. <i>Journal of Ethnopharmacology</i> , 2013, 146, 515-524.	2.0	26
90	Promotion of direct angiogenesis <i>in vitro</i> and <i>in vivo</i> by <i>Puerariae flos</i> extract via activation of MEK/ERK, PI3K/Akt/eNOS, and Src/FAK-dependent pathways. <i>Phytotherapy Research</i> , 2010, 24, 2.8 934-940.		25

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91	Differential cytotoxic responses to low- and high-dose photodynamic therapy in human gastric and bladder cancer cells. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 3061-3071.	1.2	25
92	REDD α 1 aggravates endotoxin α 1-induced inflammation via atypical NF κ B activation. <i>FASEB Journal</i> , 2018, 32, 4585-4599.	0.2	25
93	Circulating miRNAs Associated with Dysregulated Vascular and Trophoblast Function as Target-Based Diagnostic Biomarkers for Preeclampsia. <i>Cells</i> , 2020, 9, 2003.	1.8	25
94	Heme oxygenase-1 (HO-1)/carbon monoxide (CO) axis suppresses RANKL-induced osteoclastic differentiation by inhibiting redox-sensitive NF κ B activation. <i>BMB Reports</i> , 2017, 50, 103-108.	1.1	25
95	The essential role of H ₂ O ₂ in the regulation of intracellular Ca ²⁺ by epidermal growth factor in Rat-2 fibroblasts. <i>Cellular Signalling</i> , 2000, 12, 91-98.	1.7	24
96	High-throughput analysis of mumps virus and the virus-specific monoclonal antibody on the arrays of a cationic polyelectrolyte with a spectral SPR biosensor. <i>Proteomics</i> , 2006, 6, 6426-6432.	1.3	24
97	Sensitivity enhancement of spectral surface plasmon resonance biosensors for the analysis of protein arrays. <i>European Biophysics Journal</i> , 2006, 35, 469-476.	1.2	23
98	Immunogenicity of glycosylphosphatidylinositol-anchored micronemal antigen in natural <i>Plasmodium vivax</i> exposure. <i>Malaria Journal</i> , 2017, 16, 348.	0.8	23
99	Heme oxygenase metabolites improve astrocytic mitochondrial function via a Ca ²⁺ -dependent HIF-1 α /ERR α circuit. <i>PLoS ONE</i> , 2018, 13, e0202039.	1.1	23
100	Rapid analysis of matrix metalloproteinase-3 activity by gelatin arrays using a spectral surface plasmon resonance biosensor. <i>Analyst</i> , 2010, 135, 1050.	1.7	22
101	Rapid Determination of Blood Coagulation Factor XIII Activity Using Protein Arrays for Serodiagnosis of Human Plasma. <i>Analytical Chemistry</i> , 2011, 83, 2317-2323.	3.2	22
102	Measurement of naturally acquired humoral immune responses against the C-terminal region of the <i>Plasmodium vivax</i> MSP1 protein using protein arrays. <i>Parasitology Research</i> , 2011, 109, 1259-1266.	0.6	22
103	Naturally acquired humoral and cellular immune responses to <i>Plasmodium vivax</i> merozoite surface protein 8 in patients with <i>P. vivax</i> infection. <i>Malaria Journal</i> , 2017, 16, 211.	0.8	22
104	The Role of RhoA in the Germinal Vesicle Breakdown of Mouse Oocytes. <i>Biochemical and Biophysical Research Communications</i> , 2000, 273, 997-1002.	1.0	21
105	Antitumor effect of photodynamic therapy with chlorin α -based photosensitizer DH α 24 in colorectal carcinoma. <i>Cancer Science</i> , 2009, 100, 2431-2436.	1.7	21
106	Oriented immobilization of antibodies by a self-assembled monolayer of 2-(biotinamido)ethanethiol for immunoarray preparation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 47, 107-111.	2.5	20
107	Identification and ultrastructural imaging of photodynamic therapy-induced microfilaments by atomic force microscopy. <i>Ultramicroscopy</i> , 2009, 109, 1428-1434.	0.8	20
108	The vicious cycle between transglutaminase 2 and reactive oxygen species in hyperglycemic memory α 1-induced endothelial dysfunction. <i>FASEB Journal</i> , 2019, 33, 12655-12667.	0.2	20

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109	COX-2 Regulates the Insulin-Like Growth Factor I-Induced Potentiation of Zn ²⁺ -Toxicity in Primary Cortical Culture. <i>Molecular Pharmacology</i> , 2004, 66, 368-376.	1.0	20
110	Involvement of cytosolic phospholipase A2, and the subsequent release of arachidonic acid, in signalling by Rac for the generation of intracellular reactive oxygen species in Rat-2 fibroblasts. <i>Biochemical Journal</i> , 2000, 348, 525.	1.7	19
111	Molecular imaging of membrane proteins and microfilaments using atomic force microscopy. <i>Experimental and Molecular Medicine</i> , 2010, 42, 597.	3.2	19
112	Proinsulin C-peptide prevents hyperglycemia-induced vascular leakage and metastasis of melanoma cells in the lungs of diabetic mice. <i>FASEB Journal</i> , 2019, 33, 750-762.	0.2	19
113	C-peptide protects against hyperglycemic memory and vascular endothelial cell apoptosis. <i>Journal of Endocrinology</i> , 2016, 231, 97-108.	1.2	18
114	Nitric Oxide (NO) Pretreatment Increases Cytokine-induced NO Production in Cultured Rat Hepatocytes by Suppressing GTP Cyclohydrolase I Feedback Inhibitory Protein Level and Promoting Inducible NO Synthase Dimerization. <i>Journal of Biological Chemistry</i> , 2002, 277, 47073-47079.	1.6	17
115	Application of spectral SPR imaging for the surface analysis of C-reactive protein binding. <i>Sensors and Actuators B: Chemical</i> , 2006, 119, 673-675.	4.0	17
116	Microscopic Technique for the Detection of Nitric Oxide-Dependent Angiogenesis in an Animal Model. <i>Methods in Enzymology</i> , 2008, 441, 393-402.	0.4	17
117	Improved cycle sequencing of GC-rich DNA template. <i>Experimental and Molecular Medicine</i> , 1999, 31, 20-24.	3.2	16
118	Improved hematopoietic differentiation of human pluripotent stem cells via estrogen receptor signaling pathway. <i>Cell and Bioscience</i> , 2016, 6, 50.	2.1	16
119	Escitalopram, a selective serotonin reuptake inhibitor, inhibits voltage-dependent K ⁺ channels in coronary arterial smooth muscle cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2017, 21, 415.	0.6	16
120	HEAT SHOCK-INDUCED ACTIN POLYMERIZATION, SAPK/JNK ACTIVATION, AND HEAT-SHOCK PROTEIN EXPRESSION ARE MEDIATED BY GENISTEIN-SENSITIVE TYROSINE KINASE(S) IN K562 CELLS. <i>Cell Biology International</i> , 2000, 24, 447-457.	1.4	15
121	Regulation of tissue transglutaminase by prolonged increase of intracellular Ca ²⁺ , but not by initial peak of transient Ca ²⁺ increase. <i>Biochemical and Biophysical Research Communications</i> , 2005, 337, 655-662.	1.0	15
122	Quantitative and Rapid Analysis of Transglutaminase Activity Using Protein Arrays in Mammalian Cells. <i>Molecules and Cells</i> , 2009, 27, 337-344.	1.0	15
123	Cysteamine prevents vascular leakage through inhibiting transglutaminase in diabetic retina. <i>Journal of Endocrinology</i> , 2017, 235, 39-48.	1.2	15
124	Plasmodium vivax Merozoite Surface Protein 1 Paralog as a Mediator of Parasite Adherence to Reticulocytes. <i>Infection and Immunity</i> , 2018, 86, .	1.0	15
125	The benzodiazepine anesthetic midazolam prevents hyperglycemia-induced microvascular leakage in the retinas of diabetic mice. <i>FASEB Journal</i> , 2018, 32, 6089-6099.	0.2	15
126	Protective Role of Tissue Transglutaminase in the Cell Death Induced by TNF- α in SH-SY5Y Neuroblastoma Cells. <i>BMB Reports</i> , 2004, 37, 185-191.	1.1	15

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127	The Role of Tissue Transglutaminase in the Germinal Vesicle Breakdown of Mouse Oocytes. <i>Biochemical and Biophysical Research Communications</i> , 2001, 286, 229-234.	1.0	14
128	Analysis of protein arrays with a dual-function SPR biosensor composed of surface plasmon microscopy and SPR spectroscopy based on white light. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 113-119.	4.0	14
129	Quantitative kinetics of proteolytic enzymes determined by a surface concentration-based assay using peptide arrays. <i>Analyst</i> , 2012, 137, 3814.	1.7	14
130	Arg-Leu-Tyr-Glu tetrapeptide inhibits tumor progression by suppressing angiogenesis and vascular permeability via VEGF receptor-2 antagonism. <i>Oncotarget</i> , 2017, 8, 11763-11777.	0.8	14
131	CT20126, a novel immunosuppressant, prevents collagen-induced arthritis through the down-regulation of inflammatory gene expression by inhibiting NF- κ B activation. <i>Biochemical Pharmacology</i> , 2008, 76, 79-90.	2.0	13
132	Lipopolysaccharide induction of REDD1 is mediated by two distinct CREB-dependent mechanisms in macrophages. <i>FEBS Letters</i> , 2015, 589, 2859-2865.	1.3	13
133	Identification of a novel merozoite surface antigen of <i>Plasmodium vivax</i> , PvMSA180. <i>Malaria Journal</i> , 2017, 16, 133.	0.8	13
134	Nortriptyline, a tricyclic antidepressant, inhibits voltage-dependent K ⁺ channels in coronary arterial smooth muscle cells. <i>Korean Journal of Physiology and Pharmacology</i> , 2017, 21, 225.	0.6	13
135	BMP4 and perivascular cells promote hematopoietic differentiation of human pluripotent stem cells in a differentiation stage-specific manner. <i>Experimental and Molecular Medicine</i> , 2020, 52, 56-65.	3.2	13
136	Korean Red ginseng prevents endothelial senescence by downregulating the HO-1/NF- κ B/miRNA-155-5p/eNOS pathway. <i>Journal of Ginseng Research</i> , 2021, 45, 344-353.	3.0	13
137	[Ca ²⁺]-dependent generation of intracellular reactive oxygen species mediates maitotoxin-induced cellular responses in human umbilical vein endothelial cells. <i>Molecules and Cells</i> , 2006, 21, 121-8.	1.0	13
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