

Kwon-Soo Ha

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239
papers

6,311
citations

43
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68
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245
ext. papers

6,947
ext. citations

5.2
avg, IF

5.32
L-index

#	Paper	IF	Citations
239	Nestin is required for the proper self-renewal of neural stem cells. <i>Stem Cells</i> , 2010 , 28, 2162-71	5.8	223
238	The non-provitamin A carotenoid, lutein, inhibits NF-kappaB-dependent gene expression through redox-based regulation of the phosphatidylinositol 3-kinase/PTEN/Akt and NF-kappaB-inducing kinase pathways: role of H(2)O(2) in NF-kappaB activation. <i>Free Radical Biology and Medicine</i> , 2008 , 45, 885-96	7.8	198
237	beta-Carotene inhibits inflammatory gene expression in lipopolysaccharide-stimulated macrophages by suppressing redox-based NF-kappaB activation. <i>Experimental and Molecular Medicine</i> , 2005 , 37, 323-34	12.8	171
236	Astaxanthin inhibits nitric oxide production and inflammatory gene expression by suppressing I(kappa)B kinase-dependent NF-kappaB activation. <i>Molecules and Cells</i> , 2003 , 16, 97-105	3.5	161
235	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, H2836-46	5.2	144
234	Nitric oxide prevents 6-hydroxydopamine-induced apoptosis in PC12 cells through cGMP-dependent PI3 kinase/Akt activation. <i>FASEB Journal</i> , 2003 , 17, 1036-47	0.9	139
233	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, 404-8	3.4	134
232	C-peptide activates AMPK and prevents ROS-mediated mitochondrial fission and endothelial apoptosis in diabetes. <i>Diabetes</i> , 2013 , 62, 3851-62	0.9	115
231	Transglutaminase 2: a multi-functional protein in multiple subcellular compartments. <i>Amino Acids</i> , 2010 , 39, 619-31	3.5	115
230	Hydrogen peroxide activates p70(S6k) signaling pathway. <i>Journal of Biological Chemistry</i> , 1999 , 274, 32594-602	9.4	113
229	DNA looping-mediated repression by histone-like protein H-NS: specific requirement of Esigma70 as a cofactor for looping. <i>Genes and Development</i> , 2005 , 19, 2388-98	12.6	112
228	One micrometer resolution NMR microscopy. <i>Journal of Magnetic Resonance</i> , 2001 , 150, 207-13	3	112
227	Carbon monoxide promotes VEGF expression by increasing HIF-1alpha protein level via two distinct mechanisms, translational activation and stabilization of HIF-1alpha protein. <i>Journal of Biological Chemistry</i> , 2010 , 285, 32116-25	5.4	108
226	Multiple paracrine factors secreted by mesenchymal stem cells contribute to angiogenesis. <i>Vascular Pharmacology</i> , 2014 , 63, 19-28	5.9	105
225	Mechanisms underlying TGF-beta1-induced expression of VEGF and Flk-1 in mouse macrophages and their implications for angiogenesis. <i>Journal of Leukocyte Biology</i> , 2007 , 81, 557-66	6.5	105
224	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, 906-15	4.9	93
223	Prostaglandin E2 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	12.8	92

222	New insights into the mechanisms for photodynamic therapy-induced cancer cell death. <i>International Review of Cell and Molecular Biology</i> , 2012 , 295, 139-74	6	90
221	Immunoproteomics profiling of blood stage Plasmodium vivax infection by high-throughput screening assays. <i>Journal of Proteome Research</i> , 2010 , 9, 6479-89	5.6	89
220	C-peptide prevents hyperglycemia-induced endothelial apoptosis through inhibition of reactive oxygen species-mediated transglutaminase 2 activation. <i>Diabetes</i> , 2013 , 62, 243-53	0.9	84
219	Methanol extract of Cordyceps pruinosa inhibits in vitro and in vivo inflammatory mediators by suppressing NF-kappaB activation. <i>Toxicology and Applied Pharmacology</i> , 2003 , 190, 1-8	4.6	79
218	Aspirin prevents TNF- β -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	7.8	76
217	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, 1674-9	2.3	70
216	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, 2469-82	8.4	69
215	Serum bioactive lysophospholipids prevent TRAIL-induced apoptosis via PI3K/Akt-dependent cFLIP expression and Bad phosphorylation. <i>Cell Death and Differentiation</i> , 2004 , 11, 1287-98	12.7	67
214	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, 5781-8	5.4	60
213	Functional role of NF- κ B in expression of human endothelial nitric oxide synthase. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 448, 101-7	3.4	58
212	Activation of in situ tissue transglutaminase by intracellular reactive oxygen species. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 305, 633-40	3.4	57
211	Analysis of protein interactions on protein arrays by a novel spectral surface plasmon resonance imaging. <i>Biosensors and Bioelectronics</i> , 2006 , 21, 1521-8	11.8	56
210	Proteomic applications of surface plasmon resonance biosensors: analysis of protein arrays. <i>Experimental and Molecular Medicine</i> , 2005 , 37, 1-10	12.8	56
209	Nitric oxide suppresses inducible nitric oxide synthase expression by inhibiting post-translational modification of IkappaB. <i>Experimental and Molecular Medicine</i> , 2004 , 36, 311-24	12.8	53
208	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, 12710-5	5.4	51
207	Profiling the humoral immune responses to Plasmodium vivax infection and identification of candidate immunogenic rhoptry-associated membrane antigen (RAMA). <i>Journal of Proteomics</i> , 2014 , 102, 66-82	3.9	48
206	C-peptide replacement therapy as an emerging strategy for preventing diabetic vasculopathy. <i>Cardiovascular Research</i> , 2014 , 104, 234-44	9.9	48
205	Dexamethasone protects primary cultured hepatocytes from death receptor-mediated apoptosis by upregulation of cFLIP. <i>Cell Death and Differentiation</i> , 2006 , 13, 512-23	12.7	48

204	Prevention of VEGF-mediated microvascular permeability by C-peptide in diabetic mice. <i>Cardiovascular Research</i> , 2014 , 101, 155-64	9.9	47
203	COX-2 regulates p53 activity and inhibits DNA damage-induced apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 328, 1107-12	3.4	47
202	Tetraspanin CD151 stimulates adhesion-dependent activation of Ras, Rac, and Cdc42 by facilitating molecular association between β integrins and small GTPases. <i>Journal of Biological Chemistry</i> , 2012 , 287, 32027-39	5.4	45
201	4-O-Methylgallic acid suppresses inflammation-associated gene expression by inhibition of redox-based NF-kappaB activation. <i>International Immunopharmacology</i> , 2006 , 6, 1597-608	5.8	45
200	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, 525-530	3.8	45
199	Agonist-specific differential changes of cellular signal transduction pathways in senescent human diploid fibroblasts. <i>Experimental Gerontology</i> , 2002 , 37, 871-83	4.5	44
198	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, 629-40	7.8	43
197	NF-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	5.4	43
196	Proinsulin C-peptide prevents impaired wound healing by activating angiogenesis in diabetes. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 269-278	4.3	42
195	Analysis of protein interactions on protein arrays by a wavelength interrogation-based surface plasmon resonance biosensor. <i>Proteomics</i> , 2004 , 4, 3468-76	4.8	41
194	Isolation and characterization of guamerin, a new human leukocyte elastase inhibitor from <i>Hirudo nipponia</i> . <i>Journal of Biological Chemistry</i> , 1995 , 270, 13879-84	5.4	40
193	Syringaresinol 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, 191-201	12.8	39
192	Angiogenic activity of sesamin through the activation of multiple signal pathways. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 391, 254-60	3.4	37
191	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. <i>Proteomics</i> , 2006 , 6, 1110-20	4.8	36
190	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, 708-12	3.1	35
189	Specific activation of insulin-like growth factor-1 receptor by ginsenoside Rg5 promotes angiogenesis and vasorelaxation. <i>Journal of Biological Chemistry</i> , 2015 , 290, 467-77	5.4	34
188	Carbon monoxide prevents TNF- α -induced eNOS downregulation by inhibiting NF-B-responsive miR-155-5p biogenesis. <i>Experimental and Molecular Medicine</i> , 2017 , 49, e403	12.8	34
187	Ginseng Berry Extract Prevents Atherogenesis via Anti-Inflammatory Action by Upregulating Phase II Gene Expression. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012 , 2012, 490301	2.3	34

186	Inhibition of farnesyltransferase prevents collagen-induced arthritis by down-regulation of inflammatory gene expression through suppression of p21(ras)-dependent NF-kappaB activation. <i>Journal of Immunology</i> , 2004 , 173, 1276-83	5.3	34
185	The Plasmodium vivax merozoite surface protein 1 paralog is a novel erythrocyte-binding ligand of P. vivax. <i>Infection and Immunity</i> , 2013 , 81, 1585-95	3.7	33
184	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, 10-6	1.6	33
183	Proteome analysis of aniline-induced proteins in Acinetobacter lwoffii K24. <i>Current Microbiology</i> , 2002 , 44, 61-6	2.4	33
182	p-Hydroxybenzyl alcohol-containing biodegradable nanoparticle improves functional blood flow through angiogenesis in a mouse model of hindlimb ischemia. <i>Biomaterials</i> , 2015 , 53, 679-87	15.6	31
181	The caspase-8/Bid/cytochrome c axis links signals from death receptors to mitochondrial reactive oxygen species production. <i>Free Radical Biology and Medicine</i> , 2017 , 112, 567-577	7.8	31
180	Carbon Monoxide Potentiation of L-Type Ca Channel Activity Increases HIF-1 β -Independent VEGF Expression via an AMPK/SIRT1-Mediated PGC-1 β /ERR α Axis. <i>Antioxidants and Redox Signaling</i> , 2017 , 27, 21-36	8.4	31
179	Pv12, a 6-Cys antigen of Plasmodium vivax, is localized to the merozoite rhoptry. <i>Parasitology International</i> , 2012 , 61, 443-9	2.1	31
178	TRAIL negatively regulates VEGF-induced angiogenesis via caspase-8-mediated enzymatic and non-enzymatic functions. <i>Angiogenesis</i> , 2014 , 17, 179-94	10.6	30
177	Desmethylanhydroicaritin inhibits NF-kappaB-regulated inflammatory gene expression by modulating the redox-sensitive PI3K/PTEN/Akt pathway. <i>European Journal of Pharmacology</i> , 2009 , 602, 422-31	5.3	30
176	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, 1469-73	11.8	30
175	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, 14377-88	5.4	30
174	Essential Role of Transglutaminase 2 in Vascular Endothelial Growth Factor-Induced Vascular Leakage in the Retina of Diabetic Mice. <i>Diabetes</i> , 2016 , 65, 2414-28	0.9	30
173	Fucosylated glycoproteomic approach to identify a complement component 9 associated with squamous cell lung cancer (SQLC). <i>Journal of Proteomics</i> , 2011 , 74, 2948-58	3.9	29
172	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	8.5	29
171	Carbon monoxide stimulates astrocytic mitochondrial biogenesis via L-type Ca channel-mediated PGC-1 β /ERR α activation. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 479, 297-304	3.4	29
170	Extracellular taurine induces angiogenesis by activating ERK-, Akt-, and FAK-dependent signal pathways. <i>European Journal of Pharmacology</i> , 2012 , 674, 188-99	5.3	28
169	Quantum-dot-assisted fluorescence resonance energy transfer approach for intracellular trafficking of chitosan/DNA complex. <i>Acta Biomaterialia</i> , 2008 , 4, 791-8	10.8	28

168	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, 5703-10	7.8	28
167	Kurarinone promotes TRAIL-induced apoptosis by inhibiting NF- κ B-dependent cFLIP expression in HeLa cells. <i>Experimental and Molecular Medicine</i> , 2012 , 44, 653-64	12.8	27
166	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, 575-87	12.8	27
165	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	9.8	26
164	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	4.9	26
163	Real-time measurement of intracellular reactive oxygen species using Mito tracker orange (CMH2TMRos). <i>Bioscience Reports</i> , 2001 , 21, 341-52	4.1	25
162	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, 3061-71	4.7	24
161	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, 142-50	4.3	24
160	Arachidonic acid activates tissue transglutaminase and stress fiber formation via intracellular reactive oxygen species. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 325, 819-26	3.4	24
159	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, 2189-96	11.8	24
158	Roles of RhoA and phospholipase A2 in the elevation of intracellular H ₂ O ₂ by transforming growth factor-beta in Swiss 3T3 fibroblasts. <i>Cellular Signalling</i> , 1999 , 11, 677-83	4.9	24
157	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, 6426-32	4.8	23
156	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	12.8	23
155	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, 91-8	4.9	23
154	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	5.4	22
153	Measurement of naturally acquired humoral immune responses against the C-terminal region of the Plasmodium vivax MSP1 protein using protein arrays. <i>Parasitology Research</i> , 2011 , 109, 1259-66	2.4	22
152	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, 143-51	5.3	22
151	Amiloride potentiates TRAIL-induced tumor cell apoptosis by intracellular acidification-dependent Akt inactivation. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 326, 752-8	3.4	22

150	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	12.8	21
149	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, 515-24	5	21
148	Rapid analysis of matrix metalloproteinase-3 activity by gelatin arrays using a spectral surface plasmon resonance biosensor. <i>Analyst, The</i> , 2010 , 135, 1050-7	5	21
147	Rapid determination of blood coagulation factor XIII activity using protein arrays for serodiagnosis of human plasma. <i>Analytical Chemistry</i> , 2011 , 83, 2317-23	7.8	21
146	Sensitivity enhancement of spectral surface plasmon resonance biosensors for the analysis of protein arrays. <i>European Biophysics Journal</i> , 2006 , 35, 469-76	1.9	21
145	The role of RhoA in the germinal vesicle breakdown of mouse oocytes. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 273, 997-1002	3.4	20
144	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	5.5	20
143	Identification and ultrastructural imaging of photodynamic therapy-induced microfilaments by atomic force microscopy. <i>Ultramicroscopy</i> , 2009 , 109, 1428-34	3.1	19
142	Antitumor effect of photodynamic therapy with chlorin-based photosensitizer DH-II-24 in colorectal carcinoma. <i>Cancer Science</i> , 2009 , 100, 2431-6	6.9	19
141	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	3.8	19
140	<i>Plasmodium vivax</i> GPI-anchored micronemal antigen (PvGAMA) binds human erythrocytes independent of Duffy antigen status. <i>Scientific Reports</i> , 2016 , 6, 35581	4.9	18
139	Promotion of direct angiogenesis in vitro and in vivo by Puerariae flos extract via activation of MEK/ERK-, PI3K/Akt/eNOS-, and Src/FAK-dependent pathways. <i>Phytotherapy Research</i> , 2010 , 24, 934-40	6.7	18
138	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, 107-11	6	17
137	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	8.5	17
136	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	3.7	17
135	The vicious cycle between transglutaminase 2 and reactive oxygen species in hyperglycemic memory-induced endothelial dysfunction. <i>FASEB Journal</i> , 2019 , 33, 12655-12667	0.9	16
134	Immunoprofiling of the tryptophan-rich antigen family in <i>Plasmodium vivax</i> . <i>Infection and Immunity</i> , 2015 , 83, 3083-95	3.7	16
133	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	3.6	15

132	Molecular imaging of membrane proteins and microfilaments using atomic force microscopy. <i>Experimental and Molecular Medicine</i> , 2010 , 42, 597-605	12.8	15
131	Microscopic technique for the detection of nitric oxide-dependent angiogenesis in an animal model. <i>Methods in Enzymology</i> , 2008 , 441, 393-402	1.7	15
130	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, 47073-9	5.4	15
129	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, 447-57	4.5	15
128	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, 368-76	4.3	15
127	Quantitative and rapid analysis of transglutaminase activity using protein arrays in mammalian cells. <i>Molecules and Cells</i> , 2009 , 27, 337-43	3.5	14
126	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, 655-62	3.4	14
125	Improved cycle sequencing of GC-rich DNA template. <i>Experimental and Molecular Medicine</i> , 1999 , 31, 20-4	12.8	14
124	REDD-1 aggravates endotoxin-induced inflammation via atypical NF- κ B activation. <i>FASEB Journal</i> , 2018 , 32, 4585-4599	0.9	13
123	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	0.9	13
122	Quantitative kinetics of proteolytic enzymes determined by a surface concentration-based assay using peptide arrays. <i>Analyst, The</i> , 2012 , 137, 3814-20	5	13
121	The role of tissue transglutaminase in the germinal vesicle breakdown of mouse oocytes. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 286, 229-34	3.4	13
120	Protective role of tissue transglutaminase in the cell death induced by TNF-alpha in SH-SY5Y neuroblastoma cells. <i>BMB Reports</i> , 2004 , 37, 185-91	5.5	13
119	Improved hematopoietic differentiation of human pluripotent stem cells via estrogen receptor signaling pathway. <i>Cell and Bioscience</i> , 2016 , 6, 50	9.8	13
118	[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	3.5	13
117	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, 225-232	1.8	12
116	C-peptide protects against hyperglycemic memory and vascular endothelial cell apoptosis. <i>Journal of Endocrinology</i> , 2016 , 231, 97-108	4.7	12
115	Cyclic AMP prolongs graft survival by suppressing apoptosis and inflammatory gene expression in acute cardiac allograft rejection. <i>Experimental and Molecular Medicine</i> , 2010 , 42, 69-79	12.8	12

114	Integrative proteomic profiling of protein activity and interactions using protein arrays. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 1167-76	7.6	12
113	CT20126, a novel immunosuppressant, prevents collagen-induced arthritis through the down-regulation of inflammatory gene expression by inhibiting NF-kappaB activation. <i>Biochemical Pharmacology</i> , 2008 , 76, 79-90	6	12
112	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, 415-421 ^{1.8}	1.8	11
111	Lipopolysaccharide induction of REDD1 is mediated by two distinct CREB-dependent mechanisms in macrophages. <i>FEBS Letters</i> , 2015 , 589, 2859-65	3.8	11
110	Detection and measurement for the modification and inactivation of caspase by nitrosative stress in vitro and in vivo. <i>Methods in Enzymology</i> , 2008 , 441, 317-27	1.7	11
109	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	8.5	11
108	Circulating miRNAs Associated with Dysregulated Vascular and Trophoblast Function as Target-Based Diagnostic Biomarkers for Preeclampsia. <i>Cells</i> , 2020 , 9,	7.9	11
107	Immunogenicity of glycosylphosphatidylinositol-anchored micronemal antigen in natural Plasmodium vivax exposure. <i>Malaria Journal</i> , 2017 , 16, 348	3.6	10
106	Plasmodium vivax Merozoite Surface Protein 1 Paralog as a Mediator of Parasite Adherence to Reticulocytes. <i>Infection and Immunity</i> , 2018 , 86,	3.7	10
105	The benzodiazepine anesthetic midazolam prevents hyperglycemia-induced microvascular leakage in the retinas of diabetic mice. <i>FASEB Journal</i> , 2018 , 32, fj201800014RR	0.9	10
104	Cysteamine prevents vascular leakage through inhibiting transglutaminase in diabetic retina. <i>Journal of Endocrinology</i> , 2017 , 235, 39-48	4.7	10
103	Identification of a novel merozoite surface antigen of Plasmodium vivax, PvMSA180. <i>Malaria Journal</i> , 2017 , 16, 133	3.6	10
102	Differential effects of substrate-analogue inhibitors on nitric oxide synthase dimerization. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 418, 49-55	3.4	10
101	Simultaneous activity assay of two transglutaminase isozymes, blood coagulation factor XIII and transglutaminase 2, by use of fibrinogen arrays. <i>Analytical Chemistry</i> , 2011 , 83, 8718-24	7.8	10
100	A novel array-based assay of in situ tissue transglutaminase activity in human umbilical vein endothelial cells. <i>Analytical Biochemistry</i> , 2009 , 394, 217-22	3.1	10
99	A peptide array-based serological protein kinase A activity assay and its application in cancer diagnosis. <i>Analyst, The</i> , 2015 , 140, 6588-94	5	9
98	The class III anti-arrhythmic agent, amiodarone, inhibits voltage-dependent K(+) channels in rabbit coronary arterial smooth muscle cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2016 , 389, 713-21	3.1	9
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