

Yong Seek Park

List of Publications by Year in descending order

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100
papers

3,017
citations

117625

34
h-index

182427

51
g-index

101
all docs

101
docs citations

101
times ranked

4588
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies of Rat and Human Retinas Predict a Role for the Polyol Pathway in Human Diabetic Retinopathy. <i>Diabetes</i> , 2004, 53, 2404-2411.	0.6	203
2	Oxidative Stress Caused by Inactivation of Glutathione Peroxidase and Adaptive Responses. <i>Biological Chemistry</i> , 2003, 384, 567-74.	2.5	170
3	Toxicologic evaluation of bacterial synthesized cellulose in endothelial cells and animals. <i>Molecular and Cellular Toxicology</i> , 2010, 6, 370-377.	1.7	117
4	Production and applications of rosmarinic acid and structurally related compounds. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2083-2092.	3.6	110
5	Fisetin induces Nrf2-mediated HO-1 expression through PKC δ and p38 in human umbilical vein endothelial cells. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 2352-2360.	2.6	99
6	MicroRNA and gene expression analysis of melatonin-exposed human breast cancer cell lines indicating involvement of the anticancer effect. <i>Journal of Pineal Research</i> , 2011, 51, 345-352.	7.4	89
7	Identification of the Binding Site of Methylglyoxal on Glutathione Peroxidase: Methylglyoxal Inhibits Glutathione Peroxidase Activity via Binding to Glutathione Binding Sites Arg 184 and 185. <i>Free Radical Research</i> , 2003, 37, 205-211.	3.3	87
8	Acrolein Induces Cyclooxygenase-2 and Prostaglandin Production in Human Umbilical Vein Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 1319-1325.	2.4	80
9	Effect of <i>Perilla frutescens</i> var. <i>acuta</i> Kudo and rosmarinic acid on allergic inflammatory reactions. <i>Experimental Biology and Medicine</i> , 2011, 236, 99-106.	2.4	76
10	The Transforming Growth Factor- β 2 Pathway Is a Common Target of Drugs That Prevent Experimental Diabetic Retinopathy. <i>Diabetes</i> , 2009, 58, 1659-1667.	0.6	74
11	Induction of thioredoxin reductase as an adaptive response to acrolein in human umbilical vein endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2005, 327, 1058-1065.	2.1	71
12	Eriodictyol Protects Endothelial Cells against Oxidative Stress-Induced Cell Death through Modulating ERK/Nrf2/ARE-Dependent Heme Oxygenase-1 Expression. <i>International Journal of Molecular Sciences</i> , 2015, 16, 14526-14539.	4.1	68
13	Extracts from Citrus unshiu promote immune-mediated inhibition of tumor growth in a murine renal cell carcinoma model. <i>Journal of Ethnopharmacology</i> , 2011, 133, 973-979.	4.1	64
14	Omega-3 fatty acid-derived mediator, Resolvin E1, ameliorates 2,4-dinitrofluorobenzene-induced atopic dermatitis in NC/Nga mice. <i>International Immunopharmacology</i> , 2012, 14, 384-391.	3.8	59
15	Fabrication of bacterial cellulose-collagen composite scaffolds and their osteogenic effect on human mesenchymal stem cells. <i>Carbohydrate Polymers</i> , 2019, 219, 210-218.	10.2	59
16	Acrolein Induces Inflammatory Response Underlying Endothelial Dysfunction. <i>Annals of the New York Academy of Sciences</i> , 2008, 1126, 185-189.	3.8	58
17	Corticotropin-Releasing Hormone Family of Peptides Regulates Intestinal Angiogenesis. <i>Gastroenterology</i> , 2010, 138, 2457-2467.e5.	1.3	58
18	Upregulation of heme oxygenase-1 as an adaptive mechanism for protection against crotonaldehyde in human umbilical vein endothelial cells. <i>Toxicology Letters</i> , 2011, 201, 240-248.	0.8	56

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19	Genome-wide profiling in melatonin-exposed human breast cancer cell lines identifies differentially methylated genes involved in the anticancer effect of melatonin. <i>Journal of Pineal Research</i> , 2013, 54, 80-88.	7.4	55
20	Biodegradable poly(l-lactide) composites by oligolactide-grafted magnesium hydroxide for mechanical reinforcement and reduced inflammation. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2764.	5.8	54
21	The role of bacterial cellulose in artificial blood vessels. <i>Molecular and Cellular Toxicology</i> , 2017, 13, 257-261.	1.7	51
22	Induction of Heme Oxygenase-1 Inhibits Cell Death in Crotonaldehyde-Stimulated HepG2 Cells via the PKC- γ -p38-Nrf2 Pathway. <i>PLoS ONE</i> , 2012, 7, e41676.	2.5	51
23	Melatonin inhibits the development of 2,4-dinitrofluorobenzene-induced atopic dermatitis-like skin lesions in NC/Nga mice. <i>Journal of Pineal Research</i> , 2009, 47, 324-329.	7.4	47
24	Aldehyde reductase gene expression by lipid peroxidation end products, MDA and HNE. <i>Free Radical Research</i> , 2000, 33, 739-746.	3.3	45
25	A bitter herbal medicine <i>Gentiana scabra</i> root extract stimulates glucagon-like peptide-1 secretion and regulates blood glucose in db/db mouse. <i>Journal of Ethnopharmacology</i> , 2015, 172, 219-226.	4.1	45
26	Up-regulation of Heme Oxygenase-1 by Korean Red Ginseng Water Extract as a Cytoprotective Effect in Human Endothelial Cells. <i>Journal of Ginseng Research</i> , 2011, 35, 352-359.	5.7	44
27	Extract of <i>Salvia miltiorrhiza</i> (Danshen) induces Nrf2-mediated heme oxygenase-1 expression as a cytoprotective action in RAW 264.7 macrophages. <i>Journal of Ethnopharmacology</i> , 2012, 139, 541-548.	4.1	42
28	Ginger and Its Pungent Constituents Non-Competitively Inhibit Serotonin Currents on Visceral Afferent Neurons. <i>Korean Journal of Physiology and Pharmacology</i> , 2014, 18, 149.	1.2	42
29	Melatonin suppresses acrolein-induced IL-8 production in human pulmonary fibroblasts. <i>Journal of Pineal Research</i> , 2012, 52, 356-364.	7.4	40
30	Evaluation of immunoreactivity of in vitro and in vivo models against bacterial synthesized cellulose to be used as a prosthetic biomaterial. <i>Biochip Journal</i> , 2013, 7, 201-209.	4.9	39
31	Role of Lipid Peroxidation-Derived α,β -Unsaturated Aldehydes in Vascular Dysfunction. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-7.	4.0	39
32	The inhibitory effect of naringenin on atopic dermatitis induced by DNFB in NC/Nga mice. <i>Life Sciences</i> , 2013, 93, 516-524.	4.3	38
33	Glutathione peroxidase-like activity of caeruloplasmin as an important lung antioxidant. <i>FEBS Letters</i> , 1999, 458, 133-136.	2.8	35
34	Antioxidant binding of caeruloplasmin to myeloperoxidase: Myeloperoxidase is inhibited, but oxidase, peroxidase and immunoreactive properties of caeruloplasmin remain intact. <i>Free Radical Research</i> , 2000, 33, 261-265.	3.3	35
35	Rosmarinic acid attenuates 2,4-dinitrofluorobenzene-induced atopic dermatitis in NC/Nga mice. <i>International Immunopharmacology</i> , 2011, 11, 1271-1277.	3.8	35
36	Glycation proceeds faster in mutated Cu, Zn-superoxide dismutases related to familial amyotrophic lateral sclerosis. <i>FASEB Journal</i> , 2003, 17, 1-18.	0.5	34

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37	Inactivation of glutathione peroxidase by nitric oxide leads to the accumulation of H ₂ O ₂ and the induction of HB α -EGF via c-Jun NH ₂ -terminal kinase in rat aortic smooth muscle cells. <i>FASEB Journal</i> , 2001, 15, 1472-1474.	0.5	33
38	Induction of Thioredoxin Reductase Gene Expression by Peroxynitrite in Human Umbilical Vein Endothelial Cells. <i>Biological Chemistry</i> , 2002, 383, 683-91.	2.5	31
39	The histone deacetylase inhibitor, trichostatin A, inhibits the development of 2,4-dinitrofluorobenzene-induced dermatitis in NC/Nga mice. <i>International Immunopharmacology</i> , 2010, 10, 1310-1315.	3.8	30
40	Immunosuppressive effects of fisetin against dinitrofluorobenzene-induced atopic dermatitis-like symptoms in NC/Nga mice. <i>Food and Chemical Toxicology</i> , 2014, 66, 341-349.	3.6	27
41	Korean Red Ginseng water extract inhibits COX-2 expression by suppressing p38 in acrolein-treated human endothelial cells. <i>Journal of Ginseng Research</i> , 2014, 38, 34-39.	5.7	25
42	Overexpression of mutated Cu,Zn-SOD in neuroblastoma cells results in cytoskeletal change. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 288, C253-C259.	4.6	24
43	Acrolein induces Hsp72 via both PKC β /JNK and calcium signaling pathways in human umbilical vein endothelial cells. <i>Free Radical Research</i> , 2005, 39, 507-512.	3.3	22
44	Effects of Eicosapentaenoic Acid on the Cytoprotection Through Nrf2-Mediated Heme Oxygenase-1 in Human Endothelial Cells. <i>Journal of Cardiovascular Pharmacology</i> , 2015, 66, 108-117.	1.9	22
45	Effect of α,β -unsaturated aldehydes on endothelial cell growth in bacterial cellulose for vascular tissue engineering. <i>Molecular and Cellular Toxicology</i> , 2012, 8, 119-126.	1.7	20
46	Effect of Korean Red Ginseng treatment on the gene expression profile of diabetic rat retina. <i>Journal of Ginseng Research</i> , 2016, 40, 1-8.	5.7	18
47	Transient receptor potential (TRP) A1 activated currents in TRPV1 and cholecystokinin-sensitive cranial visceral afferent neurons. <i>Brain Research</i> , 2011, 1383, 36-42.	2.2	16
48	Aspartame Attenuates 2, 4-Dinitrofluorobenzene-Induced Atopic Dermatitis-Like Clinical Symptoms in NC/Nga Mice. <i>Journal of Investigative Dermatology</i> , 2015, 135, 2705-2713.	0.7	16
49	Curcumin Attenuates Acrolein-induced COX-2 Expression and Prostaglandin Production in Human Umbilical Vein Endothelial Cells. <i>Journal of Lipid and Atherosclerosis</i> , 2020, 9, 184.	3.5	16
50	β 2 integrins (CD11/18) are essential for the chemosensory adhesion and migration of polymorphonuclear leukocytes on bacterial cellulose. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 1809-1817.	4.0	15
51	A Common Pathway for Intracellular Reactive Oxygen Species Production by Glycooxidative and Nitrooxidative Stress in Vascular Endothelial Cells and Smooth Muscle Cells. <i>Annals of the New York Academy of Sciences</i> , 2005, 1043, 521-528.	3.8	13
52	Crotonaldehyde induces heat shock protein 72 expression that mediates anti-apoptotic effects in human endothelial cells. <i>Toxicology Letters</i> , 2013, 223, 116-123.	0.8	13
53	Hemeoxygenase-1 Mediates an Adaptive Response to Spermidine-Induced Cell Death in Human Endothelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-7.	4.0	13
54	Stemness and differentiation potential-recovery effects of sinapic acid against ultraviolet-A-induced damage through the regulation of p38 MAPK and NF- κ B. <i>Scientific Reports</i> , 2017, 7, 909.	3.3	13

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55	The role of antioxidant enzymes in adaptive responses to environmental toxicants in vascular disease. <i>Molecular and Cellular Toxicology</i> , 2013, 9, 95-101.	1.7	12
56	Apple ethanol extract promotes proliferation of human adult stem cells, which involves the regenerative potential of stem cells. <i>Nutrition Research</i> , 2016, 36, 925-936.	2.9	12
57	Genome-wide analysis of gene expression by crotonaldehyde in human umbilical vein endothelial cells. <i>Molecular and Cellular Toxicology</i> , 2011, 7, 127-134.	1.7	11
58	Emodin isolated from <i>Polygoni Multiflori Ramulus</i> inhibits melanogenesis through the liver X receptor-mediated pathway. <i>Chemico-Biological Interactions</i> , 2016, 250, 78-84.	4.0	11
59	Globular adiponectin acts as a melanogenic signal in human epidermal melanocytes. <i>British Journal of Dermatology</i> , 2018, 179, 689-701.	1.5	11
60	<i>Uncaria rhynchophylla</i> induces heme oxygenase-1 as a cytoprotective effect in RAW 264.7 macrophages. <i>Molecular and Cellular Toxicology</i> , 2010, 6, 33-40.	1.7	10
61	Î±-Lipoic acid suppresses the development of DNFB-induced atopic dermatitis-like symptoms in NC/Nga mice. <i>Experimental Dermatology</i> , 2011, 20, 97-101.	2.9	10
62	Methylglyoxal-mediated alteration of gene expression in human endothelial cells. <i>Biochip Journal</i> , 2011, 5, 220-228.	4.9	10
63	Microarray analysis of gene expression in 3-methylcholanthrene-treated human endothelial cells. <i>Molecular and Cellular Toxicology</i> , 2014, 10, 19-27.	1.7	10
64	Acceleration of Adhesion of Cancer Cells and Neutrophils to Endothelial Cells in the Absence of de Novo Protein Synthesis: Possible Implication for Involvement of Hydroxyl Radicals. <i>Biochemical and Biophysical Research Communications</i> , 1999, 257, 214-217.	2.1	9
65	Differentially-expressed genes related to atherosclerosis in acrolein-stimulated human umbilical vein endothelial cells. <i>Biochip Journal</i> , 2010, 4, 264-271.	4.9	9
66	MicroRNA microarray analysis of human umbilical vein endothelial cells exposed to benzo(a)pyrene. <i>Biochip Journal</i> , 2012, 6, 191-196.	4.9	9
67	Immune Response Against 2,4-Dinitrofluorobenzene-Induced Atopic Dermatitis-Like Clinical Manifestation is Suppressed by Spermidine in NC/Nga Mice. <i>Scandinavian Journal of Immunology</i> , 2015, 81, 221-228.	2.7	9
68	Prostaglandin potentiates 5-HT responses in stomach and ileum innervating visceral afferent sensory neurons. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 167-172.	2.1	9
69	Analysis of miRNA expression profiling in melatonin-exposed endothelial cells. <i>Molecular and Cellular Toxicology</i> , 2016, 12, 73-81.	1.7	9
70	Integrated miRNA and mRNA expression profiling in response to eriodictyol in human endothelial cells. <i>Biochip Journal</i> , 2017, 11, 188-195.	4.9	9
71	Effect of crotonaldehyde on the induction of COX-2 expression in human endothelial cells. <i>Molecular and Cellular Toxicology</i> , 2017, 13, 345-350.	1.7	9
72	Parapheromones Suppress Chemotherapy Side Effects. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 367, 215-221.	2.5	8

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73	GABAA and GABAB receptors have opposite effects on synaptic glutamate release on the nucleus tractus solitarii neurons. <i>Neuroscience</i> , 2012, 209, 39-46.	2.3	7
74	Integrated analysis of miRNA and mRNA reveals that acrolein modulates GPI anchor biosynthesis in human primary endothelial cells. <i>Biochip Journal</i> , 2013, 7, 11-16.	4.9	7
75	Identification and characterization of MicroRNAs in acrolein-stimulated endothelial cells: Implications for vascular disease. <i>Biochip Journal</i> , 2015, 9, 144-155.	4.9	7
76	Autophagy in Crotonaldehyde-Induced Endothelial Toxicity. <i>Molecules</i> , 2019, 24, 1137.	3.8	7
77	An integrated analysis of microRNA and mRNA expression in salvianolic acid B-treated human umbilical vein endothelial cells. <i>Molecular and Cellular Toxicology</i> , 2013, 9, 1-7.	1.7	6
78	Profiling of gene expression using microarray in acrolein-treated human pulmonary fibroblasts. <i>Molecular and Cellular Toxicology</i> , 2017, 13, 49-58.	1.7	6
79	Molecular analysis of melatonin-induced changes in breast cancer cells: microarray study of anti-cancer effect of melatonin. <i>Biochip Journal</i> , 2011, 5, 353-361.	4.9	5
80	Expression profile analysis of human umbilical vein endothelial cells treated with salvianolic acid B from <i>Salvia miltiorrhiza</i> . <i>Biochip Journal</i> , 2011, 5, 47-55.	4.9	5
81	Alteration of gene expression profile by melatonin in endothelial cells. <i>Biochip Journal</i> , 2014, 8, 91-101.	4.9	5
82	Induction of thioredoxin reductase 1 by crotonaldehyde as an adaptive mechanism in human endothelial cells. <i>Molecular and Cellular Toxicology</i> , 2015, 11, 433-439.	1.7	5
83	Induction of Thioredoxin Reductase 1 by Korean Red Ginseng Water Extract Regulates Cytoprotective Effects on Human Endothelial Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-10.	1.2	5
84	Integrative analysis of miRNA and mRNA profiles in response to myricetin in human endothelial cells. <i>Biochip Journal</i> , 2015, 9, 239-246.	4.9	5
85	Crotonaldehyde-exposed macrophages induce heme oxygenase-1 expression as an adaptive mechanism. <i>Molecular and Cellular Toxicology</i> , 2015, 11, 167-174.	1.7	5
86	Effect of crotonaldehyde on the induction of HO-1 expression in A549 cells. <i>Molecular and Cellular Toxicology</i> , 2017, 13, 221-227.	1.7	5
87	The Emerging Roles of Antioxidant Enzymes by Dietary Phytochemicals in Vascular Diseases. <i>Life</i> , 2021, 11, 199.	2.4	5
88	Gene expression profiling of human umbilical vein endothelial cells exposed to myricetin. <i>Biochip Journal</i> , 2013, 7, 335-343.	4.9	4
89	Functional screening of altered microRNA expression in 3-methylcholanthrene-treated human umbilical vein endothelial cells. <i>Biochip Journal</i> , 2014, 8, 260-268.	4.9	4
90	Integrated analysis of changed microRNA expression in crotonaldehyde-exposed human endothelial cells. <i>Biochip Journal</i> , 2016, 10, 150-157.	4.9	3

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91	MicroRNA Expression Analysis of Human Pulmonary Fibroblasts Treated with Acrolein. <i>Biochip Journal</i> , 2018, 12, 231-239.	4.9	3
92	Comparative mRNA and microRNA expression profiling of methylglyoxal-exposed human endothelial cells. <i>Biochip Journal</i> , 2013, 7, 143-150.	4.9	2
93	Dysfunction of antioxidative enzymes and redox regulation under nitrosative stress and glycooxidative stress. <i>International Congress Series</i> , 2002, 1245, 23-30.	0.2	1
94	Differentially-expressed genes associated with glycoposphatidylinositol (GPI)-anchored proteins by diabetes-related toxic substances in human endothelial cells. <i>Biochip Journal</i> , 2012, 6, 262-270.	4.9	1
95	Integrated analysis of miRNA and mRNA expression profiles in human endothelial cells exposed to fisetin. <i>Biochip Journal</i> , 2017, 11, 233-239.	4.9	1
96	Inactivation of thioredoxin reductase by acrolein. <i>International Congress Series</i> , 2002, 1245, 433-434.	0.2	0
97	Induction of heme oxygenase-1 by acrolein mediates a cytoprotective effect in HepG2 cells. <i>Molecular and Cellular Toxicology</i> , 2010, 6, 209-215.	1.7	0
98	Profiling of miRNA expression in mice kidney with diabetic nephropathy. <i>Molecular and Cellular Toxicology</i> , 2018, 14, 445-452.	1.7	0
99	Role of heme oxygenase-1 expression by dietary phytoconstituents: A nutritional cytoprotective strategy for human diseases. <i>Tang [humanitas Medicine]</i> , 2013, 3, 1.1-1.7.	0.2	0
100	Substance P Increases the Excitability of Dorsal Motor Nucleus of the Vagus Nerve via Inhibition of Potassium Channels. <i>Frontiers in Neuroscience</i> , 2022, 16, 867831.	2.8	0