Yong Chool Boo

List of Publications by Citations

83 papers	3,598 citations	29 h-index	58 g-index
89 ext. papers	4,033 ext. citations	4.7 avg, IF	5.86 L-index

#	Paper	IF	Citations
83	Shear stress stimulates phosphorylation of endothelial nitric-oxide synthase at Ser1179 by Akt-independent mechanisms: role of protein kinase A. *Journal of Biological Chemistry*, **2002**, 277, 3388-96	5.4	350
82	Flow-dependent regulation of endothelial nitric oxide synthase: role of protein kinases. *American Journal of Physiology - Cell Physiology*, **2003**, 285, C499-508	5.4	284
81	Oscillatory shear stress stimulates endothelial production of O2- from p47phox-dependent NAD(P)H oxidases, leading to monocyte adhesion. *Journal of Biological Chemistry*, **2003**, 278, 47291-8	5.4	232
80	Bone morphogenic protein 4 produced in endothelial cells by oscillatory shear stress stimulates an inflammatory response. *Journal of Biological Chemistry*, **2003**, 278, 31128-35	5.4	230
79	Compensatory phosphorylation and protein-protein interactions revealed by loss of function and gain of function mutants of multiple serine phosphorylation sites in endothelial nitric-oxide synthase. *Journal of Biological Chemistry*, **2003**, 278, 14841-9	5.4	187
78	Shear stress stimulates phosphorylation of eNOS at Ser(635) by a protein kinase A-dependent mechanism. *American Journal of Physiology - Heart and Circulatory Physiology*, **2002**, 283, H1819-28	5.2	182
77	Chronic shear induces caveolae formation and alters ERK and Akt responses in endothelial cells. *American Journal of Physiology - Heart and Circulatory Physiology*, **2003**, 285, H1113-22	5.2	143
76	Water Deficit Induced Oxidative Stress and Antioxidative Defenses in Rice Plants. *Journal of Plant Physiology*, **1999**, 155, 255-261	3.6	125
75	Graded associations of blood lead and urinary cadmium concentrations with oxidative-stress-related markers in the U.S. population: results from the third National Health and Nutrition Examination Survey. *Environmental Health Perspectives*, **2006**, 114, 350-4	8.4	103
74	p-coumaric acid not only inhibits human tyrosinase activity in vitro but also melanogenesis in cells exposed to UVB. *Phytotherapy Research*, **2010**, 24, 1175-80	6.7	94
73	p-Coumaric acid, a constituent of Sasa quelpaertensis Nakai, inhibits cellular melanogenesis stimulated by alpha-melanocyte stimulating hormone. *British Journal of Dermatology*, **2008**, 159, 292-9	4	86
72	Protein kinase B/Akt activates c-Jun NH(2)-terminal kinase by increasing NO production in response to shear stress. *Journal of Applied Physiology*, **2001**, 91, 1574-81	3.7	84
71	Flavonoids, taxifolin and luteolin attenuate cellular melanogenesis despite increasing tyrosinase protein levels. *Phytotherapy Research*, **2008**, 22, 1200-7	6.7	83
70	Endothelial NO synthase phosphorylated at SER635 produces NO without requiring intracellular calcium increase. *Free Radical Biology and Medicine*, **2003**, 35, 729-41	7.8	80
69	-Coumaric Acid as An Active Ingredient in Cosmetics: A Review Focusing on its Antimelanogenic Effects. *Antioxidants*, **2019**, 8,	7.1	58
68	Coordinated regulation of endothelial nitric oxide synthase activity by phosphorylation and subcellular localization. *Free Radical Biology and Medicine*, **2006**, 41, 144-53	7.8	51
67	Bisabolangelone isolated from Ostericum koreanum inhibits the production of inflammatory mediators by down-regulation of NF-kappaB and ERK MAP kinase activity in LPS-stimulated RAW264.7 cells. *International Immunopharmacology*, **2010**, 10, 155-62	5.8	49

66	Effects of p-coumaric acid on erythema and pigmentation of human skin exposed to ultraviolet radiation. *Clinical and Experimental Dermatology*, **2011**, 36, 260-6	1.8	48
65	Comparison of the antimelanogenic effects of p-coumaric acid and its methyl ester and their skin permeabilities. *Journal of Dermatological Science*, **2011**, 63, 17-22	4.3	47
64	Human Skin Lightening Efficacy of Resveratrol and Its Analogs: From in Vitro Studies to Cosmetic Applications. *Antioxidants*, **2019**, 8,	7.1	45
63	Combined effects of substrate topography and stiffness on endothelial cytokine and chemokine secretion. *ACS Applied Materials & Interfaces*, **2015**, 7, 4525-4532	9.5	45
62	Effects of resveratrol, oxyresveratrol, and their acetylated derivatives on cellular melanogenesis. *Archives of Dermatological Research*, **2014**, 306, 475-87	3.3	44
61	A study of the human skin-whitening effects of resveratryl triacetate. *Archives of Dermatological Research*, **2015**, 307, 239-47	3.3	33
60	Punicalagin and (-)-Epigallocatechin-3-Gallate Rescue Cell Viability and Attenuate Inflammatory Responses of Human Epidermal Keratinocytes Exposed to Airborne Particulate Matter PM10. *Skin Pharmacology and Physiology*, **2018**, 31, 134-143	3	33
59	Identification of CD44 as a senescence-induced cell adhesion gene responsible for the enhanced monocyte recruitment to senescent endothelial cells. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 298, H2102-11	5.2	33
58	Antimelanogenic effects of luteolin 7-sulfate isolated from Phyllospadix iwatensis Makino. *British Journal of Dermatology*, **2016**, 175, 501-11	4	33
57	Ucma, a direct transcriptional target of Runx2 and Osterix, promotes osteoblast differentiation and nodule formation. *Osteoarthritis and Cartilage*, **2015**, 23, 1421-31	6.2	30
56	Ascorbic acid synthesis due to L-gulono-1,4-lactone oxidase expression enhances NO production in endothelial cells. *Biochemical and Biophysical Research Communications*, **2006**, 345, 1657-62	3.4	30
55	Differential gene expression in young and senescent endothelial cells under static and laminar shear stress conditions. *Free Radical Biology and Medicine*, **2009**, 47, 291-9	7.8	29
54	Wen-pi-tang-Hab-Wu-ling-san attenuates kidney ischemia/reperfusion injury in mice. A role for antioxidant enzymes and heat-shock proteins. *Journal of Ethnopharmacology*, **2007**, 112, 333-40	5	29
53	Can Plant Phenolic Compounds Protect the Skin from Airborne Particulate Matter?. *Antioxidants*, **2019**, 8,	7.1	28
52	Screening of plant extracts for human tyrosinase inhibiting effects. *International Journal of Cosmetic Science*, **2012**, 34, 202-8	2.7	28
51	An improved method to measure nitrate/nitrite with an NO-selective electrochemical sensor. *Nitric Oxide - Biology and Chemistry*, **2007**, 16, 306-12	5	26
50	Effect of green tea and (-)-epigallocatechin gallate on ethanol-induced toxicity in HepG2 cells. *Phytotherapy Research*, **2008**, 22, 669-74	6.7	25
49	Endothelial argininosuccinate synthetase 1 regulates nitric oxide production and monocyte adhesion under static and laminar shear stress conditions. *Journal of Biological Chemistry*, **2011**, 286, 2536-42	5.4	24

48	Wen-Pi-Tang-Hab-Wu-Ling-San extract inhibits the release of inflammatory mediators from LPS-stimulated mouse macrophages. *Journal of Ethnopharmacology*, **2007**, 114, 439-45	5	23
47	X-linked inhibitor of apoptosis protein controls alpha5-integrin-mediated cell adhesion and migration. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 299, H300-9	5.2	22
46	Inhibition of melanogenesis by tyrosinase siRNA in human melanocytes. *BMB Reports*, **2009**, 42, 178-83	5.5	22
45	Ascorbyl coumarates as multifunctional cosmeceutical agents that inhibit melanogenesis and enhance collagen synthesis. *Archives of Dermatological Research*, **2015**, 307, 635-43	3.3	20
44	Scutellaria radix Extract as a Natural UV Protectant for Human Skin. *Phytotherapy Research*, **2016**, 30, 374-9	6.7	19
43	Isolation of resveratrol from vitis viniferae caulis and its potent inhibition of human tyrosinase. *Evidence-based Complementary and Alternative Medicine*, **2013**, 2013, 645257	2.3	18
42	Laminar shear stress inhibits lipid peroxidation induced by high glucose plus arachidonic acid in endothelial cells. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 295, H1966-73	5.2	18
41	Wen-pi-tang-Hab-Wu-ling-san attenuates kidney fibrosis induced by ischemia/reperfusion in mice. *Phytotherapy Research*, **2008**, 22, 1057-63	6.7	18
40	Anti-melanogenic effects of resveratryl triglycolate, a novel hybrid compound derived by esterification of resveratrol with glycolic acid. *Archives of Dermatological Research*, **2016**, 308, 325-34	3.3	18
39	Extract and Dieckol Attenuate Cellular Lipid Peroxidation in Keratinocytes Exposed to PM10. *Evidence-based Complementary and Alternative Medicine*, **2018**, 2018, 8248323	2.3	18
38	A regulatory role of Kruppel-like factor 4 in endothelial argininosuccinate synthetase 1 expression in response to laminar shear stress. *Biochemical and Biophysical Research Communications*, **2012**, 420, 450-5	3.4	17
37	Identification of rat urinary glycoproteome captured by three lectins using gel and LC-based proteomics. *Electrophoresis*, **2008**, 29, 4324-31	3.6	17
36	Emerging Strategies to Protect the Skin from Ultraviolet Rays Using Plant-Derived Materials. *Antioxidants*, **2020**, 9,	7.1	17
35	p-Coumaric Acid Attenuates UVB-Induced Release of Stratifin from Keratinocytes and Indirectly Regulates Matrix Metalloproteinase 1 Release from Fibroblasts. *Korean Journal of Physiology and Pharmacology*, **2015**, 19, 241-7	1.8	16
34	Arbutin as a Skin Depigmenting Agent with Antimelanogenic and Antioxidant Properties. *Antioxidants*, **2021**, 10,	7.1	16
33	Anti-Inflammatory Effects of Pomegranate Peel Extract in THP-1 Cells Exposed to Particulate Matter PM10. *Evidence-based Complementary and Alternative Medicine*, **2016**, 2016, 6836080	2.3	16
32	Marine Alga Extract and Dieckol Attenuate Prostaglandin E Production in HaCaT Keratinocytes Exposed to Airborne Particulate Matter. *Antioxidants*, **2019**, 8,	7.1	15
31	Analysis of serum cytokine/chemokine profiles affected by aging and exercise in mice. *Cytokine*, **2012**, 60, 487-92	4	15

30	Natural Nrf2 Modulators for Skin Protection. *Antioxidants*, **2020**, 9,	7.1	15
29	Human skin-depigmenting effects of resveratryl triglycolate, a hybrid compound of resveratrol and glycolic acid. *International Journal of Cosmetic Science*, **2018**, 40, 256	2.7	14
28	Evidence for the association of peroxidases with the antioxidant effect of p-coumaric acid in endothelial cells exposed to high glucose plus arachidonic acid. *BMB Reports*, **2009**, 42, 561-7	5.5	14
27	Use of non-melanocytic HEK293 cells stably expressing human tyrosinase for the screening of anti-melanogenic agents. *Journal of Cosmetic Science*, **2011**, 62, 515-23	0.7	14
26	Expression of synaptopodin in endothelial cells exposed to laminar shear stress and its role in endothelial wound healing. *FEBS Letters*, **2014**, 588, 1024-30	3.8	13
25	Laminar shear stress enhances endothelial cell survival through a NADPH oxidase 2-dependent mechanism. *Biochemical and Biophysical Research Communications*, **2013**, 430, 460-5	3.4	12
24	Wen-pi-tang-Hab-Wu-ling-san, an oriental herbal prescription, attenuates epithelial-mesenchymal transdifferentiation stimulated by TGF-beta1 in kidney cells. *Phytotherapy Research*, **2007**, 21, 548-53	6.7	12
23	Laminar shear stress induces the expression of aquaporin 1 in endothelial cells involved in wound healing. *Biochemical and Biophysical Research Communications*, **2013**, 430, 554-9	3.4	11
22	Shear stress stimulates phosphorylation of protein kinase A substrate proteins including endothelial nitric oxide synthase in endothelial cells. *Experimental and Molecular Medicine*, **2006**, 38, 63-71	12.8	11
21	Up- or Downregulation of Melanin Synthesis Using Amino Acids, Peptides, and Their Analogs. *Biomedicines*, **2020**, 8,	4.8	11
20	Cosmetic efficacy evaluation of an anti-acne cream using the 3D image analysis system. *Skin Research and Technology*, **2012**, 18, 192-8	1.9	10
19	Luteolin 7-Sulfate Attenuates Melanin Synthesis through Inhibition of CREB- and MITF-Mediated Tyrosinase Expression. *Antioxidants*, **2019**, 8,	7.1	9
18	Identification of small peptides and glycinamide that inhibit melanin synthesis using a positional scanning synthetic peptide combinatorial library. *British Journal of Dermatology*, **2019**, 181, 128-137	4	9
17	Senescent endothelial cells are prone to TNF-induced cell death due to expression of FAS receptor. *Biochemical and Biophysical Research Communications*, **2013**, 438, 277-82	3.4	8
16	Gardenia jasminoides Extract Attenuates the UVB-Induced Expressions of Cytokines in Keratinocytes and Indirectly Inhibits Matrix Metalloproteinase-1 Expression in Human Dermal Fibroblasts. *Evidence-based Complementary and Alternative Medicine*, **2014**, 2014, 429246	2.3	8
15	Effects of a new mild shampoo for preventing hair loss in Asian by a simple hand-held phototrichogram technique. *International Journal of Cosmetic Science*, **2011**, 33, 491-6	2.7	8
14	Restoration of vitamin C synthesis in transgenic Gulo-/- mice by helper-dependent adenovirus-based expression of gulonolactone oxidase. *Human Gene Therapy*, **2008**, 19, 1349-58	4.8	8
13	Mechanistic Basis and Clinical Evidence for the Applications of Nicotinamide (Niacinamide) to Control Skin Aging and Pigmentation. *Antioxidants*, **2021**, 10,	7.1	8

12	Detection of low levels of nitric oxide using an electrochemical sensor. *Methods in Molecular Biology*, **2011**, 704, 81-9	1.4	6
11	A dual mechanism of 4-hydroxy-5-methyl-3[2H]-furanone inhibiting cellular melanogenesis. *Journal of Cosmetic Science*, **2008**, 59, 117-25	0.7	6
10	Identification of novel antimelanogenic hexapeptides via positional scanning of a synthetic peptide combinatorial library. *Experimental Dermatology*, **2017**, 26, 742-744	4	5
9	The First Human Clinical Trial on the Skin Depigmentation Efficacy of Glycinamide Hydrochloride. *Biomedicines*, **2020**, 8,	4.8	4
8	Screening of an Epigenetic Drug Library Identifies 4-((hydroxyamino)carbonyl)--(2-hydroxyethyl)--Phenyl-Benzeneacetamide that Reduces Melanin Synthesis by Inhibiting Tyrosinase Activity Independently of Epigenetic Mechanisms. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
7	A proposal of a standardized protocol to evaluate waterproof effect of eyeliner and mascara. *International Journal of Cosmetic Science*, **2016**, 38, 266-71	2.7	3
6	Effects of Bambusae Caulis in Taeniam Extract on the UVB-induced Cell Death, Oxidative Stress and Matrix Metalloproteinase 1 Expression in Keratinocytes. *Journal of the Society of Cosmetic Scientists of Korea*, **2015**, 41, 9-20		3
5	Siegesbeckiae Herba Extract and Chlorogenic Acid Ameliorate the Death of HaCaT Keratinocytes Exposed to Airborne Particulate Matter by Mitigating Oxidative Stress. *Antioxidants*, **2021**, 10,	7.1	2
4	Identification of L-Cysteinamide as a Potent Inhibitor of Tyrosinase-Mediated Dopachrome Formation and Eumelanin Synthesis. *Antioxidants*, **2021**, 10,	7.1	1
3	Combination of Glycinamide and Ascorbic Acid Synergistically Promotes Collagen Production and Wound Healing in Human Dermal Fibroblasts. *Biomedicines*, **2022**, 10, 1029	4.8	0
2	J. Cosmet. Sci., 59, 117125 (March/April 2008)A dual mechanism of 4-hydroxy-5-methyl-3[2H]-furanone inhibiting cellular melanogenesis. *International Journal of Cosmetic Science*, **2009**, 31, 156-156	2.7	
1	Endothelial cell senescence suppresses argininosuccinate synthetase 1 expression by promoter methylation while laminar shear stress rescues it by a mechanism involving KLF4. *FASEB Journal*, **2012**, 26, 573.5	0.9	