

Sang Wook Son

List of Publications by Year in descending order

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120
papers

2,579
citations

236612

25
h-index

223531

46
g-index

120
all docs

120
docs citations

120
times ranked

3945
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Sensitive Immunoassay of Lung Cancer Marker Carcinoembryonic Antigen Using Surface-Enhanced Raman Scattering of Hollow Gold Nanospheres. <i>Analytical Chemistry</i> , 2009, 81, 3029-3034.	3.2	292
2	Surface-enhanced Raman scattering imaging of HER2 cancer markers overexpressed in single MCF7 cells using antibody conjugated hollow gold nanospheres. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2260-2263.	5.3	168
3	SERS imaging of HER2-overexpressed MCF7 cells using antibody-conjugated gold nanorods. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7444.	1.3	145
4	Effect of the size and surface charge of silica nanoparticles on cutaneous toxicity. <i>Molecular and Cellular Toxicology</i> , 2013, 9, 67-74.	0.8	87
5	A Comprehensive Review of the Treatment of Atopic Eczema. <i>Allergy, Asthma and Immunology Research</i> , 2016, 8, 181.	1.1	72
6	Chitosan hydrogel containing GMCSF and a cancer drug exerts synergistic anti-tumor effects via the induction of CD8+ T cell-mediated anti-tumor immunity. <i>Clinical and Experimental Metastasis</i> , 2009, 26, 179-187.	1.7	67
7	ZnO nanoparticles induce TNF- α expression via ROS-ERK-Egr-1 pathway in human keratinocytes. <i>Journal of Dermatological Science</i> , 2013, 72, 263-273.	1.0	65
8	Assessment of dermal toxicity of nanosilica using cultured keratinocytes, a human skin equivalent model and an in vivo model. <i>Toxicology</i> , 2010, 267, 178-181.	2.0	63
9	IL-33 down-regulates CLDN1 expression through the ERK/STAT3 pathway in keratinocytes. <i>Journal of Dermatological Science</i> , 2018, 90, 313-322.	1.0	63
10	Up-regulation of TNF- α secretion by cigarette smoke is mediated by Egr-1 in HaCaT human keratinocytes. <i>Experimental Dermatology</i> , 2010, 19, e206-12.	1.4	62
11	Analysis for the potential of polystyrene and TiO ₂ nanoparticles to induce skin irritation, phototoxicity, and sensitization. <i>Toxicology in Vitro</i> , 2011, 25, 1863-1869.	1.1	60
12	Assessment of penetration of quantum dots through in vitro and in vivo human skin using the human skin equivalent model and the tape stripping method. <i>Biochemical and Biophysical Research Communications</i> , 2010, 394, 612-615.	1.0	56
13	Influence of surface charge of gold nanorods on skin penetration. <i>Skin Research and Technology</i> , 2013, 19, e390-6.	0.8	52
14	Thymic stromal lymphopoietin downregulates filaggrin expression by signal transducer and activator of transcription 3 (STAT3) and extracellular signal-regulated kinase (ERK) phosphorylation in keratinocytes. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 205-208.e9.	1.5	52
15	UVB Induces HIF-1-Dependent TSLP Expression via the JNK and ERK Pathways. <i>Journal of Investigative Dermatology</i> , 2013, 133, 2601-2608.	0.3	48
16	Insights into ZIKV-Mediated Innate Immune Responses in Human Dermal Fibroblasts and Epidermal Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2019, 139, 391-399.	0.3	48
17	Consensus Guidelines for the Treatment of Atopic Dermatitis in Korea (Part I): General Management and Topical Treatment. <i>Annals of Dermatology</i> , 2015, 27, 563.	0.3	46
18	Consensus Guidelines for the Treatment of Atopic Dermatitis in Korea (Part II): Systemic Treatment. <i>Annals of Dermatology</i> , 2015, 27, 578.	0.3	45

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19	Effects of zinc oxide nanoparticles on gene expression profile in human keratinocytes. <i>Molecular and Cellular Toxicology</i> , 2012, 8, 113-118.	0.8	42
20	Evaluation of silica nanoparticle toxicity after topical exposure for 90 days. <i>International Journal of Nanomedicine</i> , 2014, 9 Suppl 2, 127.	3.3	42
21	IL-33 induces Egr1-dependent TSLP expression via the MAPK pathways in human keratinocytes. <i>Experimental Dermatology</i> , 2015, 24, 857-863.	1.4	39
22	In Vivo Hair Growth-Promoting Effect of Rice Bran Extract Prepared by Supercritical Carbon Dioxide Fluid. <i>Biological and Pharmaceutical Bulletin</i> , 2014, 37, 44-53.	0.6	37
23	Tamoxifen-induced activation of p21Waf1/Cip1 gene transcription is mediated by Early Growth Response-1 protein through the JNK and p38 MAP kinase/Elk-1 cascades in MDA-MB-361 breast carcinoma cells. <i>Cellular Signalling</i> , 2007, 19, 1290-1300.	1.7	31
24	IL-33 down-regulates filaggrin expression by inducing STAT3 and ERK phosphorylation in human keratinocytes. <i>Journal of Dermatological Science</i> , 2016, 82, 131-134.	1.0	29
25	Toxicity of colloidal silica nanoparticles administered orally for 90 days in rats. <i>International Journal of Nanomedicine</i> , 2014, 9 Suppl 2, 67.	3.3	28
26	TSLP Down-Regulates S100A7 and γ -Defensin 2 Via the JAK2/STAT3-Dependent Mechanism. <i>Journal of Investigative Dermatology</i> , 2016, 136, 2427-2435.	0.3	28
27	Comparative Study on the Sustained Efficacy of Diphencyprone Immunotherapy Versus Cryotherapy in Viral Warts. <i>Pediatric Dermatology</i> , 2008, 25, 398-399.	0.5	27
28	Regulatory mechanism of TNF α autoregulation in HaCaT cells: The role of the transcription factor EGR-1. <i>Biochemical and Biophysical Research Communications</i> , 2008, 374, 777-782.	1.0	26
29	Efficacy of Korean Red Ginseng in the Treatment of Alopecia Areata. <i>Journal of Ginseng Research</i> , 2012, 36, 391-395.	3.0	24
30	Cutaneous T Cell Pseudolymphoma at the Site of a Semipermanent Lip-Liner Tattoo. <i>Dermatology</i> , 2009, 218, 75-78.	0.9	23
31	Silver Nanoparticle-Induced hMSC Proliferation Is Associated with HIF-1 α -Mediated Upregulation of IL-8 Expression. <i>Journal of Investigative Dermatology</i> , 2014, 134, 3003-3007.	0.3	23
32	The potential for skin irritation, phototoxicity, and sensitization of ZnO nanoparticles. <i>Molecular and Cellular Toxicology</i> , 2012, 8, 171-177.	0.8	22
33	Zinc oxide nanoparticles: a 90-day repeated-dose dermal toxicity study in rats. <i>International Journal of Nanomedicine</i> , 2014, 9 Suppl 2, 137.	3.3	21
34	Egr1 is a key regulator of IL-17A-induced psoriasis upregulation in psoriasis. <i>Experimental Dermatology</i> , 2014, 23, 890-895.	1.4	20
35	1 α ,25-Dihydroxyvitamin D3 upregulates HIF-1 and TREM-1 via mTOR signaling. <i>Immunology Letters</i> , 2015, 163, 14-21.	1.1	20
36	HIF-1 α -mediated BMP6 down-regulation leads to hyperproliferation and abnormal differentiation of keratinocytes in vitro. <i>Experimental Dermatology</i> , 2018, 27, 1287-1293.	1.4	20

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37	ZnO nanoparticle induces apoptosis by ROS triggered mitochondrial pathway in human keratinocytes. <i>Molecular and Cellular Toxicology</i> , 2014, 10, 387-391.	0.8	19
38	Dynamic changes of protein corona compositions on the surface of zinc oxide nanoparticle in cell culture media. <i>Frontiers of Chemical Science and Engineering</i> , 2019, 13, 90-97.	2.3	19
39	Mask-induced dermatoses during the COVID-19 pandemic: a questionnaire-based study in 12 Korean hospitals. <i>Clinical and Experimental Dermatology</i> , 2021, 46, 1504-1510.	0.6	18
40	Cigarette smoke-induced early growth response-1 regulates the expression of the cysteine-rich 61 in human skin dermal fibroblasts. <i>Experimental Dermatology</i> , 2011, 20, 992-997.	1.4	17
41	Maintenance Therapy of Facial Seborrheic Dermatitis with 0.1% Tacrolimus Ointment. <i>Annals of Dermatology</i> , 2015, 27, 523.	0.3	17
42	Efficacy of Korean Red Ginseng in the Treatment of Atopic Dermatitis. <i>Journal of Ginseng Research</i> , 2011, 35, 149-154.	3.0	16
43	Intravital imaging in zebrafish using quantum dots. <i>Skin Research and Technology</i> , 2009, 15, 157-160.	0.8	15
44	The efficacy of 3% minoxidil vs. combined 3% minoxidil and Korean red ginseng in treating female pattern alopecia. <i>International Journal of Dermatology</i> , 2014, 53, e340-e342.	0.5	15
45	Intracellular ROS levels determine the apoptotic potential of keratinocyte by Quantum Dot via blockade of AKT Phosphorylation. <i>Experimental Dermatology</i> , 2017, 26, 1046-1052.	1.4	15
46	Oxidative stress and apoptosis induced by ZnO nanoparticles in HaCaT cells. <i>Molecular and Cellular Toxicology</i> , 2011, 7, 333-337.	0.8	13
47	Integrated analysis of multi-omics data on epigenetic changes caused by combined exposure to environmental hazards. <i>Environmental Toxicology</i> , 2021, 36, 1001-1010.	2.1	13
48	Consensus Update for Systemic Treatment of Atopic Dermatitis. <i>Annals of Dermatology</i> , 2021, 33, 497.	0.3	13
49	Subclinical Infiltration of Basal Cell Carcinoma in Asian Patients: Assessment after Mohs Micrographic Surgery. <i>Annals of Dermatology</i> , 2011, 23, 276.	0.3	12
50	A safety assessment of phototoxicity and sensitization of SiO ₂ nanoparticles. <i>Molecular and Cellular Toxicology</i> , 2011, 7, 171-176.	0.8	12
51	Implication of ultraviolet B radiation exposure for non-melanoma skin cancer in Korea. <i>Molecular and Cellular Toxicology</i> , 2014, 10, 91-94.	0.8	12
52	Association analysis of toluene exposure time with high-throughput mRNA expressions and methylation patterns using in vivo samples. <i>Environmental Research</i> , 2016, 146, 59-64.	3.7	12
53	RIP4 upregulates CCL20 expression through STAT3 signalling in cultured keratinocytes. <i>Experimental Dermatology</i> , 2018, 27, 1126-1133.	1.4	12
54	Axillary basal cell carcinoma. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2006, 20, 222-223.	1.3	11

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55	Prospective study of urticaria after diphencyprone therapy in patients with viral warts. <i>International Journal of Dermatology</i> , 2007, 46, 1313-1314.	0.5	11
56	Comparative analysis of nanotechnology awareness in consumers and experts in South Korea. <i>International Journal of Nanomedicine</i> , 2014, 9 Suppl 2, 21.	3.3	11
57	Particulate matter (PM) _{2.5} affects keratinocytes via endoplasmic reticulum (ER) stress-mediated suppression of apoptosis. <i>Molecular and Cellular Toxicology</i> , 2020, 16, 129-137.	0.8	11
58	2019 Consensus Korean Diagnostic Guidelines to Define Severity Classification and Treatment Refractoriness for Atopic Dermatitis: Objective and Subjective Assessment of Severity. <i>Annals of Dermatology</i> , 2019, 31, 654.	0.3	11
59	Lack of Effect of the Pulsed-Dye Laser in the Treatment of Multiple Eccrine Hidrocystomas. <i>Dermatologic Surgery</i> , 2007, 33, 1513-1515.	0.4	10
60	Safety and Efficacy of Rice Bran Supercritical CO ₂ Extract for Hair Growth in Androgenic Alopecia: A 16-Week Double-Blind Randomized Controlled Trial. <i>Biological and Pharmaceutical Bulletin</i> , 2015, 38, 1856-1863.	0.6	10
61	Environmental risk assessment of toxicity exposure: High-throughput expression profiling. <i>Biochip Journal</i> , 2016, 10, 74-80.	2.5	10
62	Zinc oxide nanoparticles induce HIF-1 α protein stabilization through increased reactive oxygen species generation from electron transfer chain complex III of mitochondria. <i>Journal of Dermatological Science</i> , 2018, 91, 104-107.	1.0	10
63	Pigmentation of basal cell carcinoma is inversely associated with tumor aggressiveness in Asian patients. <i>Journal of the American Academy of Dermatology</i> , 2019, 80, 1755-1757.	0.6	10
64	Acral Lentiginous Melanoma Developing during Long-standing Atypical Melanosis: Usefulness of Dermoscopy for Detection of Early Acral Melanoma. <i>Annals of Dermatology</i> , 2011, 23, 400.	0.3	9
65	Successful Treatment of Livedoid Vasculitis with Primary Antiphospholipid Syndrome by Using Aspirin and Low Dose Warfarin Combination Therapy. <i>Annals of Dermatology</i> , 2015, 27, 614.	0.3	9
66	Identification of time-dependent biomarkers and effects of exposure to volatile organic compounds using high-throughput analysis. <i>Environmental Toxicology</i> , 2016, 31, 1563-1570.	2.1	9
67	Ex vivo imaging of basal cell carcinoma using synchrotron phase-contrast X-ray microscopy. <i>Skin Research and Technology</i> , 2007, 14, 070405112054004-???	0.8	8
68	Nuchal-type Fibroma of the Coccyx. <i>Annals of Dermatology</i> , 2008, 20, 41.	0.3	8
69	The Efficacy of Stereoimage Optical Topometry to Evaluate Depressed Acne Scar Treatment Using Cultured Autologous Fibroblast Injection. <i>Dermatologic Surgery</i> , 2011, 37, 1304-1313.	0.4	8
70	Skin absorption potential of ZnO nanoparticles. <i>Toxicology and Environmental Health Sciences</i> , 2011, 3, 258-261.	1.1	8
71	Chloroform induces cystein-rich 61, a mediator of collagen homeostasis via early growth response-1 dependent pathway in human skin dermal fibroblasts. <i>Molecular and Cellular Toxicology</i> , 2016, 12, 337-343.	0.8	8
72	Clinical outcomes in adult patients with plaque psoriasis treated with ustekinumab under real-world practice in Korea: A prospective, observational, multicenter, postmarketing surveillance study. <i>Journal of Dermatology</i> , 2021, 48, 778-785.	0.6	8

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73	Heterotopic Gastric Mucosa in the Umbilicus. <i>Annals of Dermatology</i> , 2010, 22, 223.	0.3	7
74	Integrative analyses of differential gene expression and DNA methylation of ethylbenzene-exposed workers. <i>Biochip Journal</i> , 2015, 9, 259-267.	2.5	7
75	Clinical Features and Awareness of Hand Eczema in Korea. <i>Annals of Dermatology</i> , 2016, 28, 335.	0.3	7
76	Toluene induces early growth response-1 dependent thymic stromal lymphopoietin expression in human keratinocytes. <i>Molecular and Cellular Toxicology</i> , 2016, 12, 273-279.	0.8	7
77	Toluene downregulates filaggrin expression via the extracellular signal-regulated kinase and signal transducer and activator of transcription-dependent pathways. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 355-358.e5.	1.5	7
78	Assessment of dermal irritation potential of MWCNT. <i>Toxicology and Environmental Health Sciences</i> , 2010, 2, 115-118.	1.1	6
79	Cytotoxicity and single-dose oral toxicity testing for rice bran supercritical CO ₂ extract. <i>Toxicology and Environmental Health Sciences</i> , 2013, 5, 215-220.	1.1	6
80	The impact of ozone depletion on skin cancer incidence in Korea. <i>British Journal of Dermatology</i> , 2013, 169, 1164-1165.	1.4	6
81	A case of squamous cell carcinoma and arsenic keratoses in a patient with vitiligo taking Chinese arsenic medicine. <i>International Journal of Dermatology</i> , 2013, 52, 1542-1543.	0.5	6
82	Chloroform upregulates early growth response-1 dependent thymic stromal lymphopoietin expression via the JNK and ERK pathways in human keratinocytes. <i>International Journal of Dermatology</i> , 2015, 54, e521-6.	0.5	6
83	Phospholipase C β 1 stimulates transcriptional activation of the matrix metalloproteinase-3 gene via the protein kinase C/Raf/ERK cascade. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 611-616.	1.0	5
84	Quantitative method for measuring therapeutic efficacy of the 308nm excimer laser for vitiligo. <i>Skin Research and Technology</i> , 2012, 18, 347-355.	0.8	5
85	Epidemiology of deep cutaneous fungal infections in Korea (2006-2010). <i>Journal of Dermatology</i> , 2015, 42, 962-966.	0.6	5
86	Identification of potential biomarkers for xylene exposure by microarray analyses of gene expression and methylation. <i>Molecular and Cellular Toxicology</i> , 2016, 12, 15-20.	0.8	5
87	Topical Tacrolimus for the Treatment of Atopic Dermatitis with Truncal Lesion. <i>Annals of Dermatology</i> , 2018, 30, 173.	0.3	5
88	STAT3 maintains skin barrier integrity by modulating SPINK5 and KLK5 expression in keratinocytes. <i>Experimental Dermatology</i> , 2022, 31, 223-232.	1.4	5
89	Analysis of multi-omics data on the relationship between epigenetic changes and nervous system disorders caused by exposure to environmentally harmful substances. <i>Environmental Toxicology</i> , 2022, 37, 802-813.	2.1	5
90	Giant Acral Melanoma on the Left Thumb of a Korean Patient. <i>Annals of Dermatology</i> , 2009, 21, 171.	0.3	4

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91	Cigarette smoke-induced Egr-1 represses T ² R-II expression in human skin dermal fibroblasts. <i>Toxicology</i> , 2010, 275, 29-35.	2.0	4
92	Interactive survey of consumer awareness of nanotechnologies and nanoparticles in consumer products in South Korea. <i>International Journal of Nanomedicine</i> , 2014, 9 Suppl 2, 11.	3.3	4
93	Stevens-Johnson Syndrome-Like Skin Lesions in a Patient with Juvenile Systemic Lupus Erythematosus. <i>Annals of Dermatology</i> , 2016, 28, 117.	0.3	4
94	A quantitative study of nanoparticle skin penetration with interactive segmentation. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 1469-1479.	1.6	4
95	2020 Korean Consensus Guidelines for Diagnosis and Treatment of Chronic Hand Eczema. <i>Annals of Dermatology</i> , 2021, 33, 351.	0.3	4
96	Real-World Experience of Long-Term Dupilumab Treatment for Atopic Dermatitis in Korea. <i>Annals of Dermatology</i> , 2022, 34, 157.	0.3	4
97	Nicotine induces the expression of early growth response-1 in human skin dermal fibroblasts. <i>International Journal of Dermatology</i> , 2010, 49, 158-161.	0.5	3
98	Gene expression analysis reveals a functional role for the Ag-NPs-induced Egr-1 transcriptional factor in human keratinocytes. <i>Molecular and Cellular Toxicology</i> , 2014, 10, 149-156.	0.8	3
99	Differences in Clinical Responses to Ustekinumab Treatment among Body Regions: Results from a Real-World Prospective, Observational, and Multi-Center Study in Korea. <i>Annals of Dermatology</i> , 2022, 34, 14.	0.3	3
100	A Case of Melanoacanthoma: Immunohistochemical Staining Using VECTOR [®] NovaRED(TM) to Distinguish Melanocytes from the Cutaneous Pigment. <i>Annals of Dermatology</i> , 2008, 20, 18.	0.3	2
101	Subcutaneous fat necrosis of the newborn associated with ventricular septal defect and patent ductus arteriosus. <i>International Journal of Dermatology</i> , 2009, 48, 1021-1023.	0.5	2
102	Assessment of the skin irritation potential of quantum dot nanoparticles using a human skin equivalent model. <i>Journal of Dermatological Science</i> , 2010, 59, 147-148.	1.0	2
103	Hidden tuberculous lymphadenitis and miliary tuberculosis in an erythema induratum patient: Usefulness of interferon- γ release assays in the diagnosis. <i>Journal of Dermatology</i> , 2013, 40, 1063-1064.	0.6	2
104	Dystrophic calcifications after autologous fat injection on face. <i>Journal of Cosmetic and Laser Therapy</i> , 2014, 16, 138-140.	0.3	2
105	Awareness of Atopic Dermatitis and Attitudes toward Different Types of Medical Institutions for Its Treatment among Adult Patients and the Parents of Pediatric Patients: A Survey of 500 Participants. <i>Annals of Dermatology</i> , 2016, 28, 725.	0.3	2
106	Comparison of allergen responses based on the TRUE Test and IQ Chamber system in Korean patients. <i>European Journal of Dermatology</i> , 2017, 27, 573-578.	0.3	2
107	Chloroform induces HIF-1 α -dependent VEGF expression in human keratinocytes. <i>Molecular and Cellular Toxicology</i> , 2013, 9, 335-340.	0.8	1
108	Segmental Neurofibromatosis with Visceral Neurofibromas. <i>Annals of Dermatology</i> , 2016, 28, 253.	0.3	1

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109	The effect of calcium gluconate with natural extracts on skin toxicity of hydrofluoric acid. <i>Molecular and Cellular Toxicology</i> , 2018, 14, 381-389.	0.8	1
110	Fiberglass-induced granulomatous periorificial dermatitis. <i>Journal of Dermatology</i> , 2019, 46, e334-e335.	0.6	1
111	A Case of Acral Persistent Papular Mucinosis. <i>Annals of Dermatology</i> , 2003, 15, 8.	0.3	1
112	Use of PCR-array to profile expressed genes in human keratinocyte hacat cells after exposure to Quantum Dots. <i>Toxicology and Environmental Health Sciences</i> , 2010, 2, 162-167.	1.1	0
113	Raman Imaging Probes for Cancer Research. , 2012, , 545-565.		0
114	Egr-1 expression induced by ZnO nanoparticles in human keratinocytes. , 2012, , .		0
115	Effective construction of a database on toxicity information for nanoscale zinc oxide materials. <i>Toxicology and Environmental Health Sciences</i> , 2012, 4, 57-61.	1.1	0
116	Effects of Korean red ginseng as an environmental skin barrier function. <i>Toxicology and Environmental Health Sciences</i> , 2014, 6, 251-255.	1.1	0
117	A Case of Gonadotropin-Releasing Hormone Agonist-Induced Sterile Abscess Showing a Good Response to Systemic Steroid Therapy. <i>Annals of Dermatology</i> , 2015, 27, 460.	0.3	0
118	Urban particulate matters induce EGR-1 expression in keratinocytes which correlates with the severity of psoriasis. <i>Molecular and Cellular Toxicology</i> , 2021, 17, 195-200.	0.8	0
119	Combined Technology for Measuring Skin Diseases with Molecular Imaging. , 2014, , 451-470.		0
120	Keratinocyte-specific knockout mice models via Cre-loxP recombination system. <i>Molecular and Cellular Toxicology</i> , 2021, 17, 15-27.	0.8	0