

# Sang Wook Son

## List of Publications by Citations

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117  
papers

2,041  
citations

23  
h-index

41  
g-index

120  
ext. papers

2,319  
ext. citations

2.6  
avg, IF

4.56  
L-index

#	Paper	IF	Citations
117	Highly sensitive immunoassay of lung cancer marker carcinoembryonic antigen using surface-enhanced Raman scattering of hollow gold nanospheres. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 3029-34	7.8	277
116	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> , <b>2009</b> , 24, 2260-3	11.8	156
115	SERS imaging of HER2-overexpressed MCF7 cells using antibody-conjugated gold nanorods. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 7444-9	3.6	137
114	Effect of the size and surface charge of silica nanoparticles on cutaneous toxicity. <i>Molecular and Cellular Toxicology</i> , <b>2013</b> , 9, 67-74	1.6	74
113	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> , <b>2009</b> , 26, 179-87	4.7	58
112	Assessment of dermal toxicity of nanosilica using cultured keratinocytes, a human skin equivalent model and an in vivo model. <i>Toxicology</i> , <b>2010</b> , 267, 178-81	4.4	58
111	Up-regulation of TNF-alpha secretion by cigarette smoke is mediated by Egr-1 in HaCaT human keratinocytes. <i>Experimental Dermatology</i> , <b>2010</b> , 19, e206-12	4	55
110	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> , <b>2010</b> , 394, 612-5	3.4	51
109	A Comprehensive Review of the Treatment of Atopic Eczema. <i>Allergy, Asthma and Immunology Research</i> , <b>2016</b> , 8, 181-90	5.3	48
108	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> , <b>2015</b> , 136, 205-208.e9	11.5	46
107	Analysis for the potential of polystyrene and TiO2 nanoparticles to induce skin irritation, phototoxicity, and sensitization. <i>Toxicology in Vitro</i> , <b>2011</b> , 25, 1863-9	3.6	46
106	Influence of surface charge of gold nanorods on skin penetration. <i>Skin Research and Technology</i> , <b>2013</b> , 19, e390-6	1.9	45
105	ZnO nanoparticles induce TNF- $\alpha$ expression via ROS-ERK-Egr-1 pathway in human keratinocytes. <i>Journal of Dermatological Science</i> , <b>2013</b> , 72, 263-73	4.3	44
104	IL-33 down-regulates CLDN1 expression through the ERK/STAT3 pathway in keratinocytes. <i>Journal of Dermatological Science</i> , <b>2018</b> , 90, 313-322	4.3	41
103	UVB induces HIF-1 $\alpha$ -dependent TSLP expression via the JNK and ERK pathways. <i>Journal of Investigative Dermatology</i> , <b>2013</b> , 133, 2601-2608	4.3	38
102	Consensus Guidelines for the Treatment of Atopic Dermatitis in Korea (Part II): Systemic Treatment. <i>Annals of Dermatology</i> , <b>2015</b> , 27, 578-92	0.4	37
101	Effects of zinc oxide nanoparticles on gene expression profile in human keratinocytes. <i>Molecular and Cellular Toxicology</i> , <b>2012</b> , 8, 113-118	1.6	37

100	IL-33 induces Egr-1-dependent TSLP expression via the MAPK pathways in human keratinocytes. <i>Experimental Dermatology</i> , <b>2015</b> , 24, 857-63	4	32
99	In vivo hair growth-promoting effect of rice bran extract prepared by supercritical carbon dioxide fluid. <i>Biological and Pharmaceutical Bulletin</i> , <b>2014</b> , 37, 44-53	2.3	31
98	Insights into ZIKV-Mediated Innate Immune Responses in Human Dermal Fibroblasts and Epidermal Keratinocytes. <i>Journal of Investigative Dermatology</i> , <b>2019</b> , 139, 391-399	4.3	31
97	Consensus Guidelines for the Treatment of Atopic Dermatitis in Korea (Part I): General Management and Topical Treatment. <i>Annals of Dermatology</i> , <b>2015</b> , 27, 563-77	0.4	30
96	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> , <b>2007</b> , 19, 1290-300	4.9	26
95	Comparative study on the sustained efficacy of diphencyprone immunotherapy versus cryotherapy in viral warts. <i>Pediatric Dermatology</i> , <b>2008</b> , 25, 398-9	1.9	23
94	Evaluation of silica nanoparticle toxicity after topical exposure for 90 days. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9 Suppl 2, 127-36	7.3	22
93	Efficacy of korean red ginseng in the treatment of alopecia areata. <i>Journal of Ginseng Research</i> , <b>2012</b> , 36, 391-5	5.8	21
92	IL-33 down-regulates filaggrin expression by inducing STAT3 and ERK phosphorylation in human keratinocytes. <i>Journal of Dermatological Science</i> , <b>2016</b> , 82, 131-4	4.3	20
91	The potential for skin irritation, phototoxicity, and sensitization of ZnO nanoparticles. <i>Molecular and Cellular Toxicology</i> , <b>2012</b> , 8, 171-177	1.6	19
90	Regulatory mechanism of TNF $\alpha$ autoregulation in HaCaT cells: the role of the transcription factor EGR-1. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 374, 777-82	3.4	19
89	Silver nanoparticle-induced hMSC proliferation is associated with HIF-1 $\beta$ -mediated upregulation of IL-8 expression. <i>Journal of Investigative Dermatology</i> , <b>2014</b> , 134, 3003-3007	4.3	18
88	ZnO nanoparticle induces apoptosis by ROS triggered mitochondrial pathway in human keratinocytes. <i>Molecular and Cellular Toxicology</i> , <b>2014</b> , 10, 387-391	1.6	18
87	Toxicity of colloidal silica nanoparticles administered orally for 90 days in rats. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9 Suppl 2, 67-78	7.3	18
86	Cigarette smoke-induced early growth response-1 regulates the expression of the cysteine-rich 61 in human skin dermal fibroblasts. <i>Experimental Dermatology</i> , <b>2011</b> , 20, 992-7	4	17
85	Cutaneous T cell pseudolymphoma at the site of a semipermanent lip-liner tattoo. <i>Dermatology</i> , <b>2009</b> , 218, 75-8	4.4	17
84	TSLP Down-Regulates S100A7 and $\beta$ -Defensin 2 Via the JAK2/STAT3-Dependent Mechanism. <i>Journal of Investigative Dermatology</i> , <b>2016</b> , 136, 2427-2435	4.3	16
83	The efficacy of 3% minoxidil vs. combined 3% minoxidil and Korean red ginseng in treating female pattern alopecia. <i>International Journal of Dermatology</i> , <b>2014</b> , 53, e340-2	1.7	15

82	Egr-1 is a key regulator of IL-17A-induced psoriasis upregulation in psoriasis. <i>Experimental Dermatology</i> , <b>2014</b> , 23, 890-5	4	14
81	Intravital imaging in zebrafish using quantum dots. <i>Skin Research and Technology</i> , <b>2009</b> , 15, 157-60	1.9	14
80	Intracellular ROS levels determine the apoptotic potential of keratinocyte by Quantum Dot via blockade of AKT Phosphorylation. <i>Experimental Dermatology</i> , <b>2017</b> , 26, 1046-1052	4	13
79	Efficacy of korean red ginseng in the treatment of atopic dermatitis. <i>Journal of Ginseng Research</i> , <b>2011</b> , 35, 149-54	5.8	13
78	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> , <b>2019</b> , 13, 90-97	4.5	12
77	Zinc oxide nanoparticles: a 90-day repeated-dose dermal toxicity study in rats. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9 Suppl 2, 137-44	7.3	12
76	Oxidative stress and apoptosis induced by ZnO nanoparticles in HaCaT cells. <i>Molecular and Cellular Toxicology</i> , <b>2011</b> , 7, 333-337	1.6	12
75	Association analysis of toluene exposure time with high-throughput mRNA expressions and methylation patterns using in vivo samples. <i>Environmental Research</i> , <b>2016</b> , 146, 59-64	7.9	11
74	Maintenance Therapy of Facial Seborrheic Dermatitis with 0.1% Tacrolimus Ointment. <i>Annals of Dermatology</i> , <b>2015</b> , 27, 523-30	0.4	11
73	Comparative analysis of nanotechnology awareness in consumers and experts in South Korea. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9 Suppl 2, 21-7	7.3	11
72	A safety assessment of phototoxicity and sensitization of SiO <sub>2</sub> nanoparticles. <i>Molecular and Cellular Toxicology</i> , <b>2011</b> , 7, 171-176	1.6	11
71	1 $\alpha$ ,25-Dihydroxyvitamin D <sub>3</sub> upregulates HIF-1 and TREM-1 via mTOR signaling. <i>Immunology Letters</i> , <b>2015</b> , 163, 14-21	4.1	10
70	Environmental risk assessment of toxicity exposure: High-throughput expression profiling. <i>Biochip Journal</i> , <b>2016</b> , 10, 74-80	4	10
69	HIF-1 $\beta$ -mediated BMP6 down-regulation leads to hyperproliferation and abnormal differentiation of keratinocytes in vitro. <i>Experimental Dermatology</i> , <b>2018</b> , 27, 1287-1293	4	10
68	Implication of ultraviolet B radiation exposure for non-melanoma skin cancer in Korea. <i>Molecular and Cellular Toxicology</i> , <b>2014</b> , 10, 91-94	1.6	9
67	Lack of Effect of the Pulsed-Dye Laser in the Treatment of Multiple Eccrine Hidrocystomas. <i>Dermatologic Surgery</i> , <b>2007</b> , 33, 1513-1515	1.7	9
66	Safety and Efficacy of Rice Bran Supercritical CO <sub>2</sub> Extract for Hair Growth in Androgenic Alopecia: A 16-Week Double-Blind Randomized Controlled Trial. <i>Biological and Pharmaceutical Bulletin</i> , <b>2015</b> , 38, 1856-63	2.3	8
65	Subclinical infiltration of Basal cell carcinoma in asian patients: assessment after mohs micrographic surgery. <i>Annals of Dermatology</i> , <b>2011</b> , 23, 276-81	0.4	8

64	Axillary basal cell carcinoma. <i>Journal of the European Academy of Dermatology and Venereology</i> , <b>2006</b> , 20, 222-3	4.6	8
63	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> , <b>2016</b> , 12, 337-343	1.6	7
62	Integrative analyses of differential gene expression and DNA methylation of ethylbenzene-exposed workers. <i>Biochip Journal</i> , <b>2015</b> , 9, 259-267	4	7
61	Successful Treatment of Livedoid Vasculitis with Primary Antiphospholipid Syndrome by Using Aspirin and Low Dose Warfarin Combination Therapy. <i>Annals of Dermatology</i> , <b>2015</b> , 27, 614-5	0.4	7
60	Acral Lentiginous Melanoma Developing during Long-standing Atypical Melanosis: Usefulness of Dermoscopy for Detection of Early Acral Melanoma. <i>Annals of Dermatology</i> , <b>2011</b> , 23, 400-4	0.4	7
59	The efficacy of stereoisometric optical topometry to evaluate depressed acne scar treatment using cultured autologous fibroblast injection. <i>Dermatologic Surgery</i> , <b>2011</b> , 37, 1304-13	1.7	7
58	Ex vivo imaging of basal cell carcinoma using synchrotron phase-contrast X-ray microscopy. <i>Skin Research and Technology</i> , <b>2008</b> , 14, 13-7	1.9	7
57	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> , <b>2019</b> , 31, 654-661	0.4	7
56	Toluene induces early growth response-1 dependent thymic stromal lymphopoietin expression in human keratinocytes. <i>Molecular and Cellular Toxicology</i> , <b>2016</b> , 12, 273-279	1.6	7
55	Zinc oxide nanoparticles induce HIF-1 $\alpha$ protein stabilization through increased reactive oxygen species generation from electron transfer chain complex III of mitochondria. <i>Journal of Dermatological Science</i> , <b>2018</b> , 91, 104-107	4.3	6
54	Identification of time-dependent biomarkers and effects of exposure to volatile organic compounds using high-throughput analysis. <i>Environmental Toxicology</i> , <b>2016</b> , 31, 1563-1570	4.2	6
53	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> , <b>2017</b> , 139, 355-358.e5	11.5	6
52	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> , <b>2015</b> , 54, e521-6	1.7	6
51	Prospective study of urticaria after diphenhydramine therapy in patients with viral warts. <i>International Journal of Dermatology</i> , <b>2007</b> , 46, 1313-4	1.7	6
50	Particulate matter (PM) <sub>2.5</sub> affects keratinocytes via endoplasmic reticulum (ER) stress-mediated suppression of apoptosis. <i>Molecular and Cellular Toxicology</i> , <b>2020</b> , 16, 129-137	1.6	6
49	The impact of ozone depletion on skin cancer incidence in Korea. <i>British Journal of Dermatology</i> , <b>2013</b> , 169, 1164-5	4	5
48	Skin absorption potential of ZnO nanoparticles. <i>Toxicology and Environmental Health Sciences</i> , <b>2011</b> , 3, 258-261	1.9	5
47	Identification of potential biomarkers for xylene exposure by microarray analyses of gene expression and methylation. <i>Molecular and Cellular Toxicology</i> , <b>2016</b> , 12, 15-20	1.6	5

46	Pigmentation of basal cell carcinoma is inversely associated with tumor aggressiveness in Asian patients. <i>Journal of the American Academy of Dermatology</i> , <b>2019</b> , 80, 1755-1757	4.5	4
45	Cytotoxicity and single-dose oral toxicity testing for rice bran supercritical CO2 extract. <i>Toxicology and Environmental Health Sciences</i> , <b>2013</b> , 5, 215-220	1.9	4
44	Quantitative method for measuring therapeutic efficacy of the 308 nm excimer laser for vitiligo. <i>Skin Research and Technology</i> , <b>2012</b> , 18, 347-55	1.9	4
43	Heterotopic gastric mucosa in the umbilicus. <i>Annals of Dermatology</i> , <b>2010</b> , 22, 223-5	0.4	4
42	Assessment of dermal irritation potential of MWCNT. <i>Toxicology and Environmental Health Sciences</i> , <b>2010</b> , 2, 115-118	1.9	4
41	Cigarette smoke-induced Egr-1 represses T beta R-II expression in human skin dermal fibroblasts. <i>Toxicology</i> , <b>2010</b> , 275, 29-35	4.4	4
40	Nuchal-type Fibroma of the Coccyx. <i>Annals of Dermatology</i> , <b>2008</b> , 20, 41-4	0.4	4
39	Clinical Features and Awareness of Hand Eczema in Korea. <i>Annals of Dermatology</i> , <b>2016</b> , 28, 335-43	0.4	4
38	Integrated analysis of multi-omics data on epigenetic changes caused by combined exposure to environmental hazards. <i>Environmental Toxicology</i> , <b>2021</b> , 36, 1001-1010	4.2	4
37	Mask-induced dermatoses during the COVID-19 pandemic: a questionnaire-based study in 12 Korean hospitals. <i>Clinical and Experimental Dermatology</i> , <b>2021</b> , 46, 1504-1510	1.8	4
36	RIP4 upregulates CCL20 expression through STAT3 signalling in cultured keratinocytes. <i>Experimental Dermatology</i> , <b>2018</b> , 27, 1126-1133	4	3
35	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> , <b>2014</b> , 10, 149-156	1.6	3
34	Epidemiology of deep cutaneous fungal infections in Korea (2006-2010). <i>Journal of Dermatology</i> , <b>2015</b> , 42, 962-6	1.6	3
33	Nicotine induces the expression of early growth response-1 in human skin dermal fibroblasts. <i>International Journal of Dermatology</i> , <b>2010</b> , 49, 158-61	1.7	3
32	Phospholipase Cgamma1 stimulates transcriptional activation of the matrix metalloproteinase-3 gene via the protein kinase C/Raf/ERK cascade. <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 353, 611-6	3.4	3
31	Consensus Update for Systemic Treatment of Atopic Dermatitis. <i>Annals of Dermatology</i> , <b>2021</b> , 33, 497-514	4.4	3
30	Stevens-Johnson Syndrome-Like Skin Lesions in a Patient with Juvenile Systemic Lupus Erythematosus. <i>Annals of Dermatology</i> , <b>2016</b> , 28, 117-8	0.4	3
29	A quantitative study of nanoparticle skin penetration with interactive segmentation. <i>Medical and Biological Engineering and Computing</i> , <b>2016</b> , 54, 1469-79	3.1	2

28	Topical Tacrolimus for the Treatment of Atopic Dermatitis with Truncal Lesion. <i>Annals of Dermatology</i> , <b>2018</b> , 30, 173-178	0.4	2
27	Interactive survey of consumer awareness of nanotechnologies and nanoparticles in consumer products in South Korea. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9 Suppl 2, 11-20	7.3	2
26	A case of squamous cell carcinoma and arsenic keratoses in a patient with vitiligo taking Chinese arsenic medicine. <i>International Journal of Dermatology</i> , <b>2013</b> , 52, 1542-3	1.7	2
25	Assessment of the skin irritation potential of quantum dot nanoparticles using a human skin equivalent model. <i>Journal of Dermatological Science</i> , <b>2010</b> , 59, 147-8	4.3	2
24	A Case of Melanoacanthoma: Immunohistochemical Staining Using VECTOR <sup>®</sup> NovaRED <sup>™</sup> to Distinguish Melanocytes from the Cutaneous Pigment. <i>Annals of Dermatology</i> , <b>2008</b> , 20, 18-21	0.4	2
23	Giant acral melanoma on the left thumb of a korean patient. <i>Annals of Dermatology</i> , <b>2009</b> , 21, 171-3	0.4	2
22	Clinical outcomes in adult patients with plaque psoriasis treated with ustekinumab under real-world practice in Korea: A prospective, observational, multi-center, postmarketing surveillance study. <i>Journal of Dermatology</i> , <b>2021</b> , 48, 778-785	1.6	2
21	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> , <b>2021</b> ,	4.2	2
20	Fiberglass-induced granulomatous periorificial dermatitis. <i>Journal of Dermatology</i> , <b>2019</b> , 46, e334-e335	1.6	1
19	Dystrophic calcifications after autologous fat injection on face. <i>Journal of Cosmetic and Laser Therapy</i> , <b>2014</b> , 16, 138-40	1.8	1
18	Hidden tuberculous lymphadenitis and miliary tuberculosis in an erythema induratum patient: usefulness of interferon- $\gamma$ release assays in the diagnosis. <i>Journal of Dermatology</i> , <b>2013</b> , 40, 1063-4	1.6	1
17	Comparison of allergen responses based on the TRUE Test and IQ Chamber system in Korean patients. <i>European Journal of Dermatology</i> , <b>2017</b> , 27, 573-578	0.8	1
16	Subcutaneous fat necrosis of the newborn associated with ventricular septal defect and patent ductus arteriosus. <i>International Journal of Dermatology</i> , <b>2009</b> , 48, 1021-3	1.7	1
15	Segmental Neurofibromatosis with Visceral Neurofibromas. <i>Annals of Dermatology</i> , <b>2016</b> , 28, 253-4	0.4	1
14	Real-World Experience of Long-Term Dupilumab Treatment for Atopic Dermatitis in Korea.. <i>Annals of Dermatology</i> , <b>2022</b> , 34, 157-160	0.4	1
13	Chloroform induces HIF-1 $\beta$ -dependent VEGF expression in human keratinocytes. <i>Molecular and Cellular Toxicology</i> , <b>2013</b> , 9, 335-340	1.6	0
12	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> , <b>2022</b> , 34, 14-21	0.4	0
11	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> , <b>2016</b> , 28, 725-732	0.4	0

10	The effect of calcium gluconate with natural extracts on skin toxicity of hydrofluoric acid. <i>Molecular and Cellular Toxicology</i> , <b>2018</b> , 14, 381-389	1.6	0
9	A Case of Gonadotropin-Releasing Hormone Agonist-Induced Sterile Abscess Showing a Good Response to Systemic Steroid Therapy. <i>Annals of Dermatology</i> , <b>2015</b> , 27, 460-2	0.4	
8	Effects of Korean red ginseng as an environmental skin barrier function. <i>Toxicology and Environmental Health Sciences</i> , <b>2014</b> , 6, 251-255	1.9	
7	Effective construction of a database on toxicity information for nanoscale zinc oxide materials. <i>Toxicology and Environmental Health Sciences</i> , <b>2012</b> , 4, 57-61	1.9	
6	Raman Imaging Probes for Cancer Research <b>2012</b> , 545-565		
5	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> , <b>2010</b> , 2, 162-167	1.9	
4	Keratinocyte-specific knockout mice models via CreLbxP recombination system. <i>Molecular and Cellular Toxicology</i> , <b>2021</b> , 17, 15-27	1.6	
3	Combined Technology for Measuring Skin Diseases with Molecular Imaging <b>2014</b> , 451-470		
2	2020 Korean Consensus Guidelines for Diagnosis and Treatment of Chronic Hand Eczema. <i>Annals of Dermatology</i> , <b>2021</b> , 33, 351-360	0.4	
1	Urban particulate matters induce EGR-1 expression in keratinocytes which correlates with the severity of psoriasis. <i>Molecular and Cellular Toxicology</i> , <b>2021</b> , 17, 195-200	1.6	