

Dong-Wan Seo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82
papers

2,232
citations

24
h-index

44
g-index

83
ext. papers

2,464
ext. citations

5.4
avg, IF

4.3
L-index

#	Paper	IF	Citations
82	TIMP-2 mediated inhibition of angiogenesis: an MMP-independent mechanism. <i>Cell</i> , 2003 , 114, 171-80	56.2	427
81	TIMP-2: an endogenous inhibitor of angiogenesis. <i>Trends in Molecular Medicine</i> , 2005 , 11, 97-103	11.5	138
80	Shp-1 mediates the antiproliferative activity of tissue inhibitor of metalloproteinase-2 in human microvascular endothelial cells. <i>Journal of Biological Chemistry</i> , 2006 , 281, 3711-21	5.4	114
79	Hydrogen peroxide activates p70(S6k) signaling pathway. <i>Journal of Biological Chemistry</i> , 1999 , 274, 32594-602	113	113
78	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
77	Tissue inhibitors of metalloproteinase 2 inhibits endothelial cell migration through increased expression of RECK. <i>Cancer Research</i> , 2004 , 64, 9062-9	10.1	96
76	Histone deacetylase inhibitor apicidin downregulates DNA methyltransferase 1 expression and induces repressive histone modifications via recruitment of corepressor complex to promoter region in human cervix cancer cells. <i>Oncogene</i> , 2008 , 27, 1376-86	9.2	59
75	Reversine stimulates adipocyte differentiation and downregulates Akt and p70(s6k) signaling pathways in 3T3-L1 cells. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 358, 553-8	3.4	48
74	Depletion of embryonic stem cell signature by histone deacetylase inhibitor in NCCIT cells: involvement of Nanog suppression. <i>Cancer Research</i> , 2009 , 69, 5716-25	10.1	46
73	10-Gingerol inhibits proliferation and invasion of MDA-MB-231 breast cancer cells through suppression of Akt and p38MAPK activity. <i>Oncology Reports</i> , 2016 , 35, 779-84	3.5	43
72	Antagonism of VEGF-A-induced increase in vascular permeability by an integrin β 1-Shp-1-cAMP/PKA pathway. <i>Blood</i> , 2012 , 120, 4892-902	2.2	40
71	TIMP-2 disrupts FGF-2-induced downstream signaling pathways. <i>Microvascular Research</i> , 2008 , 76, 145-51	3.7	40
70	Histone deacetylase inhibitor apicidin induces cyclin E expression through Sp1 sites. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 342, 1168-73	3.4	39
69	Anti-metastatic potential of ginsenoside Rp1, a novel ginsenoside derivative. <i>Biological and Pharmaceutical Bulletin</i> , 2008 , 31, 1802-5	2.3	36
68	Effect of a fermented ginseng extract, BST204, on the expression of cyclooxygenase-2 in murine macrophages. <i>International Immunopharmacology</i> , 2005 , 5, 929-36	5.8	34
67	Histone deacetylase inhibitor induction of P-glycoprotein transcription requires both histone deacetylase 1 dissociation and recruitment of CAAT/enhancer binding protein beta and pCAF to the promoter region. <i>Molecular Cancer Research</i> , 2009 , 7, 735-44	6.6	31
66	Purification and characterization of nitric oxide synthase from Staphylococcus aureus. <i>FEMS Microbiology Letters</i> , 2003 , 222, 177-82	2.9	30

65	Histone deacetylase inhibitor apicidin-mediated drug resistance: involvement of P-glycoprotein. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 368, 959-64	3.4	29
64	Involvement of HDAC1 and the PI3K/PKC signaling pathways in NF-kappaB activation by the HDAC inhibitor apicidin. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 347, 1088-93	3.4	27
63	Activation of p21-activated kinase 1 is required for lysophosphatidic acid-induced focal adhesion kinase phosphorylation and cell motility in human melanoma A2058 cells. <i>FEBS Journal</i> , 2004 , 271, 1557-65		27
62	PKN2 and Cdo interact to activate AKT and promote myoblast differentiation. <i>Cell Death and Disease</i> , 2016 , 7, e2431	9.8	26
61	An integrin-binding N-terminal peptide region of TIMP-2 retains potent angio-inhibitory and anti-tumorigenic activity in vivo. <i>Peptides</i> , 2011 , 32, 1840-8	3.8	26
60	Modulation of tumor-host interactions, angiogenesis, and tumor growth by tissue inhibitor of metalloproteinase 2 via a novel mechanism. <i>Cancer Research</i> , 2004 , 64, 4481-6	10.1	26
59	The in vitro antitumor activity of Siegesbeckia glabrescens against ovarian cancer through suppression of receptor tyrosine kinase expression and the signaling pathways. <i>Oncology Reports</i> , 2013 , 30, 221-6	3.5	25
58	Risk Assessment of Triclosan, a Cosmetic Preservative. <i>Toxicological Research</i> , 2019 , 35, 137-154	3.7	24
57	Hydrogen peroxide mediates arsenite activation of p70(s6k) and extracellular signal-regulated kinase. <i>Experimental Cell Research</i> , 2003 , 290, 144-54	4.2	24
56	Reversal of multidrug resistance by 4-chloro-N-(3-((E)-3-(4-hydroxy-3-methoxyphenyl)acryloyl)phenyl)benzamide through the reversible inhibition of P-glycoprotein. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 355, 136-42	3.4	23
55	1-Hydroxy-2-oxopomolic acid isolated from Agrimonia pilosa extract inhibits adipogenesis in 3T3-L1 cells. <i>Biological and Pharmaceutical Bulletin</i> , 2012 , 35, 643-9	2.3	22
54	IL-4-induced AID expression and its relevance to IgA class switch recombination. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 361, 398-403	3.4	22
53	TIMP-2-derived 18-mer peptide inhibits endothelial cell proliferation and migration through cAMP/PKA-dependent mechanism. <i>Cancer Letters</i> , 2014 , 343, 210-6	9.9	21
52	Regulatory effects of Siegesbeckia glabrescens on non-small cell lung cancer cell proliferation and invasion. <i>The American Journal of Chinese Medicine</i> , 2014 , 42, 453-63	6	20
51	Marmesin is a novel angiogenesis inhibitor: Regulatory effect and molecular mechanism on endothelial cell fate and angiogenesis. <i>Cancer Letters</i> , 2015 , 369, 323-30	9.9	19
50	Knockdown of integrin $\beta 1$ expression induces proliferation and migration of non-small cell lung cancer cells. <i>Oncology Reports</i> , 2013 , 29, 662-8	3.5	18
49	Sepiapterin inhibits cell proliferation and migration of ovarian cancer cells via down-regulation of p70S6K-dependent VEGFR-2 expression. <i>Oncology Reports</i> , 2011 , 26, 861-7	3.5	18
48	Methylesters of L-arginine and N-nitro-L-arginine induce nitric oxide synthase in Staphylococcus aureus. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 246, 431-5	3.4	18

47	5-Caffeoylquinic acid inhibits invasion of non-small cell lung cancer cells through the inactivation of p70S6K and Akt activity: Involvement of p53 in differential regulation of signaling pathways. <i>International Journal of Oncology</i> , 2016 , 48, 1907-12	4.4	17
46	Tetrahydropalmatine promotes myoblast differentiation through activation of p38MAPK and MyoD. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 455, 147-52	3.4	17
45	PRMT6 overexpression upregulates TSP-1 and downregulates MMPs: its implication in motility and invasion. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 432, 60-5	3.4	17
44	NO/cGMP pathway is involved in exocrine secretion from rat pancreatic acinar cells. <i>Archives of Pharmacal Research</i> , 1998 , 21, 657-63	6.1	17
43	Neolignan inhibitors of antigen-induced degranulation in RBL-2H3 cells from the needles of <i>Pinus thunbergii</i> . <i>Phytotherapy</i> 2014 , 99, 347-51	3.2	16
42	Ginsenoside Rg1 from enhances myoblast differentiation and myotube growth. <i>Journal of Ginseng Research</i> , 2017 , 41, 608-614	5.8	16
41	Suppression of the NF-kappaB signalling pathway by ergolide, sesquiterpene lactone, in HeLa cells. <i>Journal of Pharmacy and Pharmacology</i> , 2007 , 59, 561-6	4.8	16
40	Marmesin-mediated suppression of VEGF/VEGFR and integrin α expression: Its implication in non-small cell lung cancer cell responses and tumor angiogenesis. <i>Oncology Reports</i> , 2017 , 37, 91-97	3.5	15
39	Broussonetia kazinoki modulates the expression of VEGFR-2 and MMP-2 through the inhibition of ERK, Akt and p70S6K-dependent signaling pathways: Its implication in endothelial cell proliferation, migration and tubular formation. <i>Oncology Reports</i> , 2014 , 32, 1531-6	3.5	15
38	Phytochemical linarin enriched in the flower of <i>Chrysanthemum indicum</i> inhibits proliferation of A549 human alveolar basal epithelial cells through suppression of the Akt-dependent signaling pathway. <i>Journal of Medicinal Food</i> , 2013 , 16, 1086-94	2.8	15
37	A mechanistic study on the anti-cancer activity of ethyl caffeate in human ovarian cancer SKOV-3 cells. <i>Chemico-Biological Interactions</i> , 2014 , 219, 151-8	5	13
36	Epicatechin elicits MyoD-dependent myoblast differentiation and myogenic conversion of fibroblasts. <i>PLoS ONE</i> , 2017 , 12, e0175271	3.7	13
35	TIMP1 induces CD44 expression and the activation and nuclear translocation of SHP1 during the late centrocyte/post-germinal center B cell differentiation. <i>Cancer Letters</i> , 2008 , 269, 37-45	9.9	12
34	PKCepsilon is essential for gelsolin expression by histone deacetylase inhibitor apicidin in human cervix cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 354, 769-75	3.4	12
33	A Fermented Ginseng Extract, BST204, Inhibits Proliferation and Motility of Human Colon Cancer Cells. <i>Biomolecules and Therapeutics</i> , 2011 , 19, 211-217	4.2	12
32	Ginsenoside Rb1 and Rb2 upregulate Akt/mTOR signaling-mediated muscular hypertrophy and myoblast differentiation. <i>Journal of Ginseng Research</i> , 2020 , 44, 435-441	5.8	12
31	An isoflavone compound daidzein elicits myoblast differentiation and myotube growth. <i>Journal of Functional Foods</i> , 2017 , 38, 438-446	5.1	11
30	Anti-angiogenic effects of <i>Siegesbeckia glabrescens</i> are mediated by suppression of the Akt and p70S6K-dependent signaling pathways. <i>Oncology Reports</i> , 2015 , 33, 699-704	3.5	11

29	Dehydrocorydaline promotes myogenic differentiation via p38MAPK activation. <i>Molecular Medicine Reports</i> , 2016 , 14, 3029-36	2.9	10
28	Kazinol-P from <i>Broussonetia kazinoki</i> enhances skeletal muscle differentiation via p38MAPK and MyoD. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 456, 471-5	3.4	9
27	Black ginseng activates Akt signaling, thereby enhancing myoblast differentiation and myotube growth. <i>Journal of Ginseng Research</i> , 2018 , 42, 116-121	5.8	9
26	Inhibitory effects of sepiapterin on vascular endothelial growth factor-A-induced proliferation and adhesion in human umbilical vein endothelial cells. <i>Archives of Pharmacal Research</i> , 2011 , 34, 1571-7	6.1	9
25	T-cell immune regulator 1 enhances metastasis in hepatocellular carcinoma. <i>Experimental and Molecular Medicine</i> , 2018 , 50, e420	12.8	8
24	Two new furostanol glycosides from the fruits of <i>Tribulus terrestris</i> . <i>Tetrahedron Letters</i> , 2013 , 54, 3967-3970	2.9	8
23	Sepiapterin regulates cell proliferation and migration: its association with integrin $\beta 1$ and p53 in human lung cancer cells. <i>Genes and Genomics</i> , 2011 , 33, 577-582	2.1	8
22	Meliae cortex extract exhibits anti-allergic activity through the inhibition of Syk kinase in mast cells. <i>Toxicology and Applied Pharmacology</i> , 2007 , 220, 227-34	4.6	8
21	Bakuchiol augments MyoD activation leading to enhanced myoblast differentiation. <i>Chemico-Biological Interactions</i> , 2016 , 248, 60-7	5	7
20	Ligularia fischeri regulates lung cancer cell proliferation and migration through down-regulation of epidermal growth factor receptor and integrin β expression. <i>Genes and Genomics</i> , 2013 , 35, 741-746	2.1	6
19	Syntaxin 4 regulates the surface localization of a promyogenic receptor Cdo thereby promoting myogenic differentiation. <i>Skeletal Muscle</i> , 2015 , 5, 28	5.1	6
18	Ginsenoside Rp1 Inhibits Proliferation and Migration of Human Lung Cancer Cells. <i>Biomolecules and Therapeutics</i> , 2011 , 19, 411-418	4.2	6
17	Ligularia fischeri inhibits endothelial cell proliferation, invasion and tube formation through the inactivation of mitogenic signaling pathways and regulation of vascular endothelial cadherin distribution and matrix metalloproteinase expression. <i>Oncology Reports</i> , 2015 , 34, 221-6	3.5	5
16	Peroxisome proliferator-activated receptor γ (PPAR γ) activates promyogenic signaling pathways, thereby promoting myoblast differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 470, 157-162	3.4	4
15	Novel functions for 2-phenylbenzimidazole-5-sulphonic acid: Inhibition of ovarian cancer cell responses and tumour angiogenesis. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 2688-2700	5.6	3
14	Extract Attenuates Atopic Dermatitis-Like Skin Lesions through Modulation of MAPK Signaling in BALB/c Mice. <i>Molecules</i> , 2020 , 25,	4.8	3
13	Effect of cholecystokinin-pancreozymin on the nitric oxide synthase activity and cyclic GMP level in rat pancreatic tissue. <i>Archives of Pharmacal Research</i> , 1995 , 18, 434-439	6.1	3
12	Improvement of Obesity and Dyslipidemic Activity of in C57BL/6 Mice Fed a High-Carbohydrate Diet. <i>Molecules</i> , 2021 , 26,	4.8	3

11	An endogenous proteinacious inhibitor in porcine liver for S-adenosyl-L-methionine dependent methylation reactions: identification as oligosaccharide-linked acyl carrier protein. <i>International Journal of Biochemistry and Cell Biology</i> , 2000 , 32, 455-64	5.6	2
10	Effects of anti-wrinkle and skin-whitening fermented black ginseng on human subjects and underlying mechanism of action. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2020 , 83, 470-484	3.2	1
9	modulates endothelial cell proliferation, migration and tube formation via downregulation of the Akt signaling pathway. <i>Oncology Letters</i> , 2017 , 14, 4677-4683	2.6	1
8	Broussonin A- and B-mediated inhibition of angiogenesis by blockade of VEGFR-2 signalling pathways and integrin β expression.. <i>Journal of Cellular and Molecular Medicine</i> , 2022 ,	5.6	1
7	Spiraea prunifolia leaves extract inhibits adipogenesis and lipogenesis by promoting β oxidation in high fat diet-induced obese mice.. <i>Biomedicine and Pharmacotherapy</i> , 2022 , 149, 112889	7.5	1
6	A novel role for β viniferin in suppressing angiogenesis by blocking the VEGFR-2/p70 signaling pathway. <i>Phytotherapy Research</i> , 2020 , 34, 2697-2705	6.7	0
5	Effects of anti-wrinkle and skin-whitening fermented black ginseng on human subjects and underlying mechanism of action. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2020 , 83, 423-437	3.2	0
4	Enzymatic production and expression of shRNAmir30 from cDNAs. <i>Genes and Genomics</i> , 2013 , 35, 395-403	3.1	0
3	Matrix Metalloproteinases in Tumor Progression 2006 , 143-158		
2	Vasoactive intestinal peptide (VIP)-induced enzyme secretion in rat pancreatic tissue is not associated with activation of nitric oxide synthase (NOS) and increase in cyclic GMP level. <i>Archives of Pharmacal Research</i> , 1996 , 19, 201-206	6.1	
1	Development of Evaluating Ways for the Efficacy of Anti-VEGF Biopharmaceuticals. <i>Immune Network</i> , 2007 , 7, 203	6.1	