

Soon Young Shin

List of Publications by Year in descending order

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78
papers

1,595
citations

279798

23
h-index

345221

36
g-index

79
all docs

79
docs citations

79
times ranked

2756
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, Crystal Structure, Hirshfeld Surface Analysis and Docking Studies of a Novel Flavone- α -Chalcone Hybrid Compound Demonstrating Anticancer Effects by Generating ROS through Glutathione Depletion. <i>Crystals</i> , 2022, 12, 108.	2.2	4
2	Molecular mechanism underlying the TLR4 antagonistic and antiseptic activities of papiliocin, an insect innate immune response molecule. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2115669119.	7.1	12
3	Transcription Factor EGR1 Regulates the Expression of the Clock Gene PER2 under IL-4 Stimulation in Human Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2022, 142, 2677-2686.e9.	0.7	6
4	Saikosaponin A and Saikosaponin C Reduce TNF- α -Induced TSLP Expression through Inhibition of MAPK-Mediated EGR1 Expression in HaCaT Keratinocytes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4857.	4.1	5
5	EGR-1 acts as a transcriptional activator of KLK7 under IL-13 stimulation. <i>Biochemical and Biophysical Research Communications</i> , 2021, 534, 303-309.	2.1	12
6	Inhibition of EGR-1-dependent MMP1 transcription by ethanol extract of <i>Ageratum houstonianum</i> in HaCaT keratinocytes. <i>Molecular Biology Reports</i> , 2021, 48, 1-11.	2.3	3
7	Effect of human breast milk on innate immune response: Up-regulation of bacterial pattern recognition receptors and innate cytokines in THP-1 monocytic cells. <i>European Journal of Inflammation</i> , 2021, 19, 205873922110261.	0.5	0
8	Chrysin Inhibits TNF- α -Induced TSLP Expression through Downregulation of EGR1 Expression in Keratinocytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4350.	4.1	8
9	Disrupting the DNA Binding of EGR-1 with a Small-Molecule Inhibitor Ameliorates 2,4-Dinitrochlorobenzene-Induced Skin Inflammation. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1851-1855.	0.7	10
10	The crystal structure of ethyl 2-amino-4-(3,5-difluorophenyl)-7,7-dimethyl-5-oxo-5,6,7,8-tetrahydro-4 <i>H</i> -chromene-3-carboxylate, C ₂₀ H ₂₁ F ₂ NO ₄ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2021, 236, 307-309.	0.3	0
11	Chrysin Inhibits NF- κ B-Dependent CCL5 Transcription by Targeting κ B Kinase in the Atopic Dermatitis-Like Inflammatory Microenvironment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7348.	4.1	20
12	A Novel Synthetic Compound (E)-5-((4-oxo-4H-chromen-3-yl)methyleneamino)-1-phenyl-1H-pyrazole-4-carbonitrile Inhibits TNF- α -Induced MMP9 Expression via EGR-1 Downregulation in MDA-MB-231 Human Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5080.	4.1	4
13	Regulation of pro-opiomelanocortin (POMC) gene transcription by interleukin-31 via early growth response 1 (EGR-1) in HaCaT keratinocytes. <i>Molecular Biology Reports</i> , 2020, 47, 5953-5962.	2.3	6
14	Chrysoeriol Prevents TNF- α -Induced CYP19 Gene Expression via EGR-1 Downregulation in MCF7 Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7523.	4.1	10
15	Transcriptomic analysis of the effect of (E)-3-(3,5-dimethoxyphenyl)-1-(2-methoxyphenyl) prop-2-en-1-one (DPP23) on reactive oxygen species generation in MIA PaCa-2 pancreatic cancer cells. <i>Genes and Genomics</i> , 2020, 42, 1267-1279.	1.4	0
16	Single Crystal X-Ray Structure for the Disordered Two Independent Molecules of Novel Isoflavone: Synthesis, Hirshfeld Surface Analysis, Inhibition and Docking Studies on IKK β of 3-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-6,7-dimethoxy-4H-chromen-4-one. <i>Crystals</i> , 2020, 10, 911.	2.2	5
17	Synthesis, Single Crystal X-Ray Structure, Hirshfeld Surface Analysis, DFT Computations, Docking Studies on Aurora Kinases and an Anticancer Property of 3-(2,3-Dihydrobenzo[b][1,4]dioxin-6-yl)-6-methoxy-4H-chromen-4-one. <i>Crystals</i> , 2020, 10, 413.	2.2	6
18	A Synthetic Pan-Aurora Kinase Inhibitor, 5-Methoxy-2-(2-methoxynaphthalen-1-yl)-4H-chromen-4-one, Triggers Reactive Oxygen Species-Mediated Apoptosis in HCT116 Colon Cancer Cells. <i>Journal of Chemistry</i> , 2020, 2020, 1-11.	1.9	1

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19	WNT11 is a direct target of early growth response protein 1. <i>BMB Reports</i> , 2020, 53, 628-633.	2.4	4
20	Overcoming Multidrug Resistance by Activating Unfolded Protein Response of the Endoplasmic Reticulum in Cisplatin-Resistant A2780/CisR Ovarian Cancer Cells. <i>BMB Reports</i> , 2020, 53, 88-93.	2.4	12
21	Transcription factor EGR-1 transactivates the <i>MMP1</i> gene promoter in response to TNF α in HaCaT keratinocytes. <i>BMB Reports</i> , 2020, 53, 323-328.	2.4	14
22	Crystal structure of 6-methoxy-3-(5-(3-methoxyphenyl)-1,3,4-oxadiazol-2-yl)-4H-chromen-4-one-methanol (1/1), C ₂₀ H ₁₈ N ₂ O ₆ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2020, 235, 1253-1255.	0.3	1
23	Design, synthesis, and biological evaluation of polyphenols with 4,6-diphenylpyrimidin-2-amine derivatives for inhibition of Aurora kinase A. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2019, 27, 265-281.	2.0	9
24	The EGR1-STAT3 Transcription Factor Axis Regulates α -Melanocyte-Stimulating Hormone-Induced Tyrosinase Gene Transcription in Melanocytes. <i>Journal of Investigative Dermatology</i> , 2019, 139, 1616-1619.	0.7	8
25	A synthetic chalcone derivative, 2-hydroxy-3,5-trimethoxychalcone (DK-139), triggers reactive oxygen species-induced apoptosis independently of p53 in A549 lung cancer cells. <i>Chemico-Biological Interactions</i> , 2019, 298, 72-79.	4.0	12
26	Leptin is a direct transcriptional target of EGR1 in human breast cancer cells. <i>Molecular Biology Reports</i> , 2019, 46, 317-324.	2.3	15
27	Design, synthesis, and biological activities of 1-aryl-(3-(2-styryl)phenyl)prop-2-en-1-ones. <i>Bioorganic Chemistry</i> , 2019, 83, 438-449.	4.1	7
28	Agerarin inhibits α -MSH-induced TYR gene transcription via STAT3 suppression independent of CREB-MITF pathway. <i>Journal of Dermatological Science</i> , 2018, 91, 107-110.	1.9	9
29	Inhibitory Effect of Synthetic Flavone Derivatives on Pan-Aurora Kinases: Induction of G2/M Cell-Cycle Arrest and Apoptosis in HCT116 Human Colon Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4086.	4.1	10
30	Inhibitory Effect of <i>Alisma canaliculatum</i> Ethanolic Extract on NF- κ B-Dependent CXCR3 and CXCL10 Expression in TNF α -Exposed MDA-MB-231 Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2607.	4.1	15
31	The synthetic chalcone derivative 2-hydroxy-3,5-trimethoxychalcone induces unfolded protein response-mediated apoptosis in A549 lung cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2969-2975.	2.2	22
32	Downregulation of α -Melanocyte-Stimulating Hormone-Induced Activation of the Pax3-MITF-Tyrosinase Axis by <i>Sorghum</i> Ethanolic Extract in B16F10 Melanoma Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1640.	4.1	13
33	Synthesis and structure elucidation of polyphenols containing the N-methyleneformohydrazide scaffold as aurora kinase inhibitors. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 864-876.	1.9	8
34	Agerarin, identified from <i>Ageratum houstonianum</i> , stimulates circadian CLOCK-mediated aquaporin-3 gene expression in HaCaT keratinocytes. <i>Scientific Reports</i> , 2017, 7, 11175.	3.3	20
35	β -Oryzanol suppresses COX-2 expression by inhibiting reactive oxygen species-mediated Erk1/2 and Egr-1 signaling in LPS-stimulated RAW264.7 macrophages. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 486-492.	2.1	21
36	Biological evaluation of 2-pyrazolinyl-1-carbothioamide derivatives against HCT116 human colorectal cancer cell lines and elucidation on QSAR and molecular binding modes. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5423-5432.	3.0	23

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37	Synthesis and biological evaluation of hesperetin derivatives as agents inducing apoptosis. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 397-407.	3.0	21
38	¹ H and ¹³ C NMR spectral assignments of flavone derivatives. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 359-366.	1.9	1
39	Aurora kinase A inhibitor TCS7010 demonstrates proapoptotic effect through the unfolded protein response pathway in HCT116 colon cancer cells. <i>Oncology Letters</i> , 2017, 14, 6571-6577.	1.8	8
40	C-C motif chemokine receptor 1 (CCR1) is a target of the EGF-AKT-mTOR-STAT3 signaling axis in breast cancer cells. <i>Oncotarget</i> , 2017, 8, 94591-94605.	1.8	28
41	A Benzochalcone Derivative, (E)-1-(2-hydroxy-6-methoxyphenyl)-3-(naphthalen-2-yl)prop-2-en-1-one (DK-512), Inhibits Tumor Invasion through Inhibition of the TNF-Induced NF- κ B/MMP-9 Axis in MDA-MB-231 Breast Cancer Cells. <i>Journal of Chemistry</i> , 2016, 2016, 1-8.	1.9	0
42	¹ H and ¹³ C NMR spectral assignments of novel flavonoids bearing benzothiazepine. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 382-390.	1.9	11
43	<i>Euphorbia humifusa</i> Willd exerts inhibition of breast cancer cell invasion and metastasis through inhibition of TNF α -induced MMP-9 expression. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 413.	3.7	17
44	Effect of <i>Euphorbia humifusa</i> Willd extract on the amelioration of innate immune responses. <i>Genes and Genomics</i> , 2016, 38, 999-1004.	1.4	3
45	Anticancer and structure-activity relationship evaluation of 3-(naphthalen-2-yl)-N,5-diphenyl-pyrazoline-1-carbothioamide analogs of chalcone. <i>Bioorganic Chemistry</i> , 2016, 68, 166-176.	4.1	31
46	Colorectal anticancer activities of polymethoxylated 3-naphthyl-5-phenylpyrazoline-carbothioamides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 4301-4309.	2.2	15
47	p53-dependent and -independent mechanisms are involved in (E)-1-(2-hydroxyphenyl)-3-(2-methoxynaphthalen-1-yl)prop-2-en-1-one (HMP)-induced apoptosis in HCT116 colon cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 479, 913-919.	2.1	10
48	The UPR inducer DPP23 inhibits the metastatic potential of MDA-MB-231 human breast cancer cells by targeting the Akt- κ B-MMP-9 axis. <i>Scientific Reports</i> , 2016, 6, 34134.	3.3	34
49	The chalcone derivative HymnPro generates reactive oxygen species through depletion of intracellular glutathione. <i>Applied Biological Chemistry</i> , 2016, 59, 391-396.	1.9	4
50	A methoxyflavanone derivative, 2,3,4-trimethoxy-5,6-naphthoflavanone, inhibits proliferation of HCT116 human colon cancer cells by inducing G2/M cell cycle arrest and apoptosis. <i>Applied Biological Chemistry</i> , 2016, 59, 249-253.	1.9	1
51	A synthetic chalcone, 2'-hydroxy-2,3,5'-trimethoxychalcone triggers unfolded protein response-mediated apoptosis in breast cancer cells. <i>Cancer Letters</i> , 2016, 372, 1-9.	7.2	40
52	A synthetic chalcone derivative, 2-hydroxy-3,5,5'-trimethoxychalcone (DK-139), suppresses the TNF α -induced invasive capability of MDA-MB-231 human breast cancer cells by inhibiting NF- κ B-mediated GRO α expression. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 203-208.	2.2	17
53	A novel synthetic chalcone derivative promotes caspase-dependent apoptosis through ROS generation and activation of the UPR in MH7A cells. <i>Genes and Genomics</i> , 2015, 37, 1051-1059.	1.4	4
54	Plant-Derived Flavones as Inhibitors of Aurora B Kinase and Their Quantitative Structure-Activity Relationships. <i>Chemical Biology and Drug Design</i> , 2015, 85, 574-585.	3.2	20

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55	Polyphenols bearing cinnamaldehyde scaffold showing cell growth inhibitory effects on the cisplatin-resistant A2780/Cis ovarian cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1809-1820.	3.0	47
56	A new synthetic 2-hydroxy-2,4,6-trimethoxy-5,6-naphthochalcone induces G2/M cell cycle arrest and apoptosis by disrupting the microtubular network of human colon cancer cells. <i>Cancer Letters</i> , 2014, 354, 348-354.	7.2	30
57	c-Myb negatively regulates Ras signaling through induction of dual phosphatase MKP-3 in NIH3T3 cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 1032-1037.	2.1	2
58	Targeting Cancer Cells via the Reactive Oxygen Species-Mediated Unfolded Protein Response with a Novel Synthetic Polyphenol Conjugate. <i>Clinical Cancer Research</i> , 2014, 20, 4302-4313.	7.0	54
59	Role of MKP-1 (DUSP1) in clozapine-induced effects on the ERK1/2 signaling pathway in the rat frontal cortex. <i>Psychopharmacology</i> , 2013, 230, 425-437.	3.1	7
60	Transcriptional regulation of the growth-regulated oncogene <i>luc</i> gene by early growth response protein-1 in response to tumor necrosis factor α stimulation. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013, 1829, 1066-1074.	1.9	25
61	Novel Antimitotic Activity of 2-Hydroxy-4-methoxy-2,3-benzochalcone (HymnPro) through the Inhibition of Tubulin Polymerization. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 12588-12597.	5.2	41
62	Egr1 regulates lithium-induced transcription of the Period 2 (PER2) gene. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1969-1979.	3.8	19
63	Intracerebroventricular administration of ouabain, a Na/K-ATPase inhibitor, activates mTOR signal pathways and protein translation in the rat frontal cortex. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 45, 73-82.	4.8	20
64	Chromenylchalcones showing cytotoxicity on human colon cancer cell lines and in silico docking with aurora kinases. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4250-4258.	3.0	38
65	The antipsychotic agent chlorpromazine induces autophagic cell death by inhibiting the Akt/mTOR pathway in human U-87MG glioma cells. <i>Carcinogenesis</i> , 2013, 34, 2080-2089.	2.8	123
66	Structural Properties of Polyphenols Causing Cell Cycle Arrest at G1 Phase in HCT116 Human Colorectal Cancer Cell Lines. <i>International Journal of Molecular Sciences</i> , 2013, 14, 16970-16985.	4.1	30
67	2-Hydroxyflavanone induces apoptosis through <i>ERK1</i> involving expression of <i>Bax</i> , p21, and <i>NAG-1</i> in colon cancer cells. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 761-774.	3.3	46
68	The tricyclic antidepressant imipramine induces autophagic cell death in U-87MG glioma cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 413, 311-317.	2.1	90
69	Imipramine activates glial cell line-derived neurotrophic factor via early growth response gene 1 in astrocytes. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011, 35, 1026-1032.	4.8	21
70	Relationship between the structures of flavonoids and their NF- κ B-dependent transcriptional activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 6036-6041.	2.2	49
71	The ETS Family Transcription Factor ELK-1 Regulates Induction of the Cell Cycle-regulatory Gene p21 and the BAX Gene in Sodium Arsenite-exposed Human Keratinocyte HaCaT Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 26860-26872.	3.4	33
72	Transcription Factor Egr-1 Is Essential for Maximal Matrix Metalloproteinase-9 Transcription by Tumor Necrosis Factor α . <i>Molecular Cancer Research</i> , 2010, 8, 507-519.	3.4	80

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73	Chlorpromazine activates p21 ^{Waf1/Cip1} gene transcription via early growth response-1 (Egr-1) in C6 glioma cells. <i>Experimental and Molecular Medicine</i> , 2010, 42, 395.	7.7	54
74	TNF \pm -exposed Bone Marrow-derived Mesenchymal Stem Cells Promote Locomotion of MDA-MB-231 Breast Cancer Cells through Transcriptional Activation of CXCR3 Ligand Chemokines. <i>Journal of Biological Chemistry</i> , 2010, 285, 30731-30740.	3.4	67
75	Transcriptional activation of the human Klotho gene by epidermal growth factor in HEK293 cells; role of Egr-1. <i>Gene</i> , 2010, 450, 121-127.	2.2	33
76	Egr-1 Is Necessary for Fibroblast Growth Factor-2-induced Transcriptional Activation of the Glial Cell Line-derived Neurotrophic Factor in Murine Astrocytes. <i>Journal of Biological Chemistry</i> , 2009, 284, 30583-30593.	3.4	25
77	Regulatory mechanism of TNF \pm autoregulation in HaCaT cells: The role of the transcription factor EGR-1. <i>Biochemical and Biophysical Research Communications</i> , 2008, 374, 777-782.	2.1	26
78	Induction of Early Growth Response-1 Gene Expression by Calmodulin Antagonist Trifluoperazine through the Activation of Elk-1 in Human Fibrosarcoma HT1080 Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 7797-7805.	3.4	35