Song-Ja Kim

List of Publications by Year
in descending order

107 papers	3,074 citations	201674 27 h-index	175258 52 g-index
111 all docs	111 docs citations	111 times ranked	4308 citing authors

#	Article	IF	Citations
1	Oxidative stress, consequences and ROS mediated cellular signaling in rheumatoid arthritis. Chemico-Biological Interactions, 2018, 281, 121-136.	4.0	240
2	ERK-1/2 and p38 Kinase Oppositely Regulate Nitric Oxide-induced Apoptosis of Chondrocytes in Association with p53, Caspase-3, and Differentiation Status. Journal of Biological Chemistry, 2002, 277, 1332-1339.	3.4	222
3	Antioxidant, cytotoxic and antimicrobial activities of green synthesized silver nanoparticles from crude extract of Bergenia ciliata. Future Journal of Pharmaceutical Sciences, 2016, 2, 31-36.	2.8	174
4	Maintenance of Differentiated Phenotype of Articular Chondrocytes by Protein Kinase C and Extracellular Signal-regulated Protein Kinase. Journal of Biological Chemistry, 2002, 277, 8412-8420.	3.4	145
5	Ionizing Radiation Induces Cellular Senescence of Articular Chondrocytes via Negative Regulation of SIRT1 by p38 Kinase. Journal of Biological Chemistry, 2010, 285, 1283-1295.	3.4	141
6	Regulation of the chondrocyte phenotype by beta-catenin. Development (Cambridge), 2002, 129, 5541-5550.	2.5	124
7	In vitro and in vivo evaluation of anti-arthritic, antioxidant efficacy of fucoidan from Undaria pinnatifida (Harvey) Suringar. International Journal of Biological Macromolecules, 2017, 97, 468-480.	7.5	101
8	Wnt-7a Causes Loss of Differentiated Phenotype and Inhibits Apoptosis of Articular Chondrocytes via Different Mechanisms. Journal of Biological Chemistry, 2004, 279, 26597-26604.	3.4	99
9	Applications of Chondrocyte-Based Cartilage Engineering: An Overview. BioMed Research International, 2016, 2016, 1-17.	1.9	87
10	Actin Cytoskeletal Architecture Regulates Nitric Oxide-induced Apoptosis, Dedifferentiation, and Cyclooxygenase-2 Expression in Articular Chondrocytes via Mitogen-activated Protein Kinase and Protein Kinase C Pathways. Journal of Biological Chemistry, 2003, 278, 42448-42456.	3.4	82
11	Fucoidan as bio-functional molecule: Insights into the anti-inflammatory potential and associated molecular mechanisms. Journal of Functional Foods, 2017, 38, 415-426.	3.4	77
12	The thymoquinone-induced production of reactive oxygen species promotes dedifferentiation through the ERK pathway and inflammation through the p38 and PI3K pathways in rabbit articular chondrocytes. International Journal of Molecular Medicine, 2015, 35, 325-332.	4.0	70
13	Î²-Catenin regulates expression of cyclooxygenase-2 in articular chondrocytes. Biochemical and Biophysical Research Communications, 2002, 296, 221-226.	2.1	68
14	Non-steroidal Anti-inflammatory Drugs Inhibit Nitric Oxide-induced Apoptosis and Dedifferentiation of Articular Chondrocytes Independent of Cyclooxygenase Activity. Journal of Biological Chemistry, 2003, 278, 15319-15325.	3.4	62
15	p38 Kinase-dependent and -independent Inhibition of Protein Kinase C Î¶ and -Î± Regulates Nitric Oxide-induced Apoptosis and Dedifferentiation of Articular Chondrocytes. Journal of Biological Chemistry, 2002, 277, 30375-30381.	3.4	58
16	Differentiation Status-dependent Regulation of Cyclooxygenase-2 Expression and Prostaglandin E2 Production by Epidermal Growth Factor via Mitogen-activated Protein Kinase in Articular Chondrocytes. Journal of Biological Chemistry, 2003, 278, 9691-9697.	3.4	58
17	Production of reactive oxygen species by withaferin A causes loss of type collagen expression and COX-2 expression through the PI3K/Akt, p38, and JNK pathways in rabbit articular chondrocytes. Experimental Cell Research, 2013, 319, 2822-2834.	2.6	52
18	A complex phenotype of peripheral neuropathy, myopathy, hoarseness, and hearing loss is linked to an autosomal dominant mutation in MYH14. Human Mutation, 2011, 32, 669-677.	2.5	48

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19	Endoplasmic reticulum stress (ER-stress) by 2-deoxy-D-glucose (2DG) reduces cyclooxygenase-2 (COX-2) expression and N-glycosylation and induces a loss of COX-2 activity via a Src kinase-dependent pathway in rabbit articular chondrocytes. Experimental and Molecular Medicine, 2010, 42, 777.	7.7	46
20	Novel rhodamine based chemosensor for detection of Hg2+: Nanomolar detection, real water sample analysis, and intracellular cell imaging. Sensors and Actuators B: Chemical, 2021, 330, 129308.	7.8	45
21	Synergistic Effect of Combined Growth Factors in Porcine Intervertebral Disc Degeneration. Connective Tissue Research, 2013, 54, 181-186.	2.3	41
22	Thymoquinone-induced reactive oxygen species causes apoptosis of chondrocytes via PI3K/Akt and p38kinase pathway. Experimental Biology and Medicine, 2013, 238, 811-820.	2.4	39
23	Resveratrol attenuates matrix metalloproteinase-9 and -2- regulated differentiation of HTB94 chondrosarcoma cells through the p38 kinase and JNK pathways. Oncology Reports, 2014, 32, 71-78.	2.6	39
24	Induction of G₂/M Arrest by Berberine via Activation of PI3K/Akt and p38 in Human Chondrosarcoma Cell Line. Oncology Research, 2015, 22, 147-157.	1.5	39
25	Resveratrol induces MMP-9 and cell migration via the p38 kinase and PI-3K pathways in HT1080 human fibrosarcoma cells. Oncology Reports, 2013, 29, 826-834.	2.6	36
26	Snapshot of degenerative aging of porcine intervertebral disc: a model to unravel the molecular mechanisms. Experimental and Molecular Medicine, 2011, 43, 334.	7.7	34
27	Resveratrol Inhibits Nitric Oxide-Induced Apoptosis via the NF-Kappa B Pathway in Rabbit Articular Chondrocytes. Biomolecules and Therapeutics, 2013, 21, 364-370.	2.4	29
28	Freshwater and Terrestrial Algae from Ny-Ã…lesund and BlomstrandhalvÃ¸ya Island (Svalbard). Arctic, 2011, 64, 25.	0.4	28
29	Acetazolamide Inhibits the Level of Tyrosinase and Melanin: An Enzyme Kinetic, In Vitro, In Vivo, and In Silico Studies. Chemistry and Biodiversity, 2017, 14, e1700117.	2.1	27
30	Distribution of TGFâ€Î² isoforms and signaling intermediates in corneal fibrotic wound repair. Journal of Cellular Biochemistry, 2009, 108, 476-488.	2.6	26
31	Isolation, characterization, and in silico, in vitro and in vivo antiulcer studies of isoimperatorin crystallized from Ostericum koreanum. Pharmaceutical Biology, 2017, 55, 218-226.	2.9	26
32	Withaferin A-Caused Production of Intracellular Reactive Oxygen Species Modulates Apoptosis via PI3K/Akt and JNKinase in Rabbit Articular Chondrocytes. Journal of Korean Medical Science, 2014, 29, 1042.	2.5	23
33	Overexpression of MicroRNA-25 by Withaferin A Induces Cyclooxygenase-2 Expression in Rabbit Articular Chondrocytes. Journal of Pharmacological Sciences, 2014, 125, 83-90.	2.5	23
34	Cytoprotective role of vitamin E in porcine adipose-tissue-derived mesenchymal stem cells against hydrogen-peroxide-induced oxidative stress. Cell and Tissue Research, 2018, 374, 111-120.	2.9	23
35	Synthesis, Photophysical Properties and Application of New Porphyrin Derivatives for Use in Photodynamic Therapy and Cell Imaging. Journal of Fluorescence, 2018, 28, 871-882.	2.5	23
36	A potential mediator for photodynamic therapy based on silver nanoparticles functionalized with porphyrin. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 377, 26-35.	3.9	23

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37	ADAM10 mediates Nâ€cadherin ectodomain shedding during retinal ganglion cell differentiation in primary cultured retinal cells from the developing chick retina. Journal of Cellular Biochemistry, 2013, 114, 942-954.	2.6	20
38	Resveratrol regulates type II collagen and COX-2 expression via the ERK, p38 and Akt signaling pathways in rabbit articular chondrocytes. Experimental and Therapeutic Medicine, 2014, 7, 640-648.	1.8	20
39	A nano sensor for sensitive and selective detection of Cu2+ based on fluorescein: Cell imaging and drinking water analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 216, 105-116.	3.9	19
40	Flurbiprofen–antioxidant mutual prodrugs as safer nonsteroidal anti-inflammatory drugs: synthesis, pharmacological investigation, and computational molecular modeling. Drug Design, Development and Therapy, 2016, Volume 10, 2401-2419.	4.3	18
41	The Effects of Plateletâ€Rich Plasma on Halting the Progression in Porcine Intervertebral Disc Degeneration. Artificial Organs, 2016, 40, 190-195.	1.9	18
42	Chelation enhanced fluorescence of rhodamine based novel organic nanoparticles for selective detection of mercury ions in aqueous medium and intracellular cell imaging. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 397, 112579.	3.9	18
43	Novel 1,2,4-triazole analogues as mushroom tyrosinase inhibitors: synthesis, kinetic mechanism, cytotoxicity and computational studies. Molecular Diversity, 2021, 25, 2089-2106.	3.9	18
44	Effect of 1,2,3,4,6-penta-O-galloyl-beta-D-glucose on elastase and hyaluronidase activities and its type II collagen expression. Acta Poloniae Pharmaceutica, 2010, 67, 145-50.	0.1	17
45	2-Deoxy-<scp>D</scp>-glucose regulates dedifferentiation through Î²-catenin pathway in rabbit articular chondrocytes. Experimental and Molecular Medicine, 2010, 42, 503.	7.7	16
46	Intracellular imaging of zinc ion in living cells by fluorescein based organic nanoparticles. Sensors and Actuators B: Chemical, 2018, 267, 119-128.	7.8	16
47	InÂvitro , inÂvivo and in silico anti-hyperglycemic inhibition by sinigrin. Asian Pacific Journal of Tropical Medicine, 2017, 10, 372-379.	0.8	15
48	Berberine induces dedifferentiation by actin cytoskeleton reorganization via phosphoinositide 3-kinase/Akt and p38 kinase pathways in rabbit articular chondrocytes. Experimental Biology and Medicine, 2016, 241, 800-807.	2.4	14
49	Resveratrol-mediated inhibition of cyclooxygenase-2 in melanocytes suppresses melanogenesis through extracellular signal-regulated kinase 1/2 and phosphoinositide 3-kinase/Akt signalling. European Journal of Pharmacology, 2019, 860, 172586.	3.5	14
50	Foodborne Pathogens: Staphylococcus aureus and Listeria monocytogenes An Unsolved Problem of the Food Industry. Pakistan Journal of Nutrition, 2016, 15, 505-514.	0.2	14
51	PEP-1-SIRT2-induced matrix metalloproteinase-1 and -13 modulates type II collagen expression via ERK signaling in rabbit articular chondrocytes. Experimental Cell Research, 2016, 348, 201-208.	2.6	13
52	Gallotannin mediated silver colloidal nanoparticles as multifunctional nano platform: Rapid colorimetric and turn-on fluorescent sensor for Hg2+, catalytic and In vitro anticancer activities. Journal of Luminescence, 2019, 206, 624-633.	3.1	13
53	Novel 1,3,4-oxadiazole compounds inhibit the tyrosinase and melanin level: Synthesis, in-vitro, and in-silico studies. Bioorganic and Medicinal Chemistry, 2021, 41, 116222.	3.0	13
54	Salinomycin causes dedifferentiation via the extracellular signal-regulated kinase (ERK) pathway in rabbit articular chondrocytes. Journal of Pharmacological Sciences, 2015, 127, 196-202.	2.5	12

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55	Cytokine-induced apoptosis inhibitor-1 causes dedifferentiation of rabbit articular chondrocytes via the ERK-1/2 and p38 kinase pathways. International Journal of Biochemistry and Cell Biology, 2016, 80, 10-18.	2.8	12
56	Salinomycin causes migration and invasion of human fibrosarcoma cells by inducing MMP-2 expression via PI3-kinase, ERK-1/2 and p38 kinase pathways. International Journal of Oncology, 2016, 48, 2686-2692.	3.3	12
57	Axonal Charcotâ€Marieâ€Tooth neuropathy concurrent with distal and proximal weakness by translational elongation of the 3â€² UTR in NEFH. Journal of the Peripheral Nervous System, 2017, 22, 200-207.	3.1	12
58	Ectopic expression of cyclooxygenase-2-induced dedifferentiation in articular chondrocytes. Experimental and Molecular Medicine, 2008, 40, 721.	7.7	11
59	Curcumin inhibits cellular condensation and alters microfilament organization during chondrogenic differentiation of limb bud mesenchymal cells. Experimental and Molecular Medicine, 2009, 41, 656.	7.7	11
60	Gallotannin causes differentiation and inflammation via ERK-1/-2 and p38 kinase pathways in rabbit articular chondrocytes. Molecular Medicine Reports, 2013, 7, 701-707.	2.4	11
61	PEP-1-SIRT2 causes dedifferentiation and COX-2 expression via the MAPK pathways in rabbit articular chondrocytes. Experimental Cell Research, 2015, 339, 351-359.	2.6	11
62	Simvastatin induces differentiation of rabbit articular chondrocytes via the ERK-1/2 and p38 kinase pathways. Experimental Cell Research, 2016, 346, 198-205.	2.6	11
63	Fucoidan from Undaria pinnatifida regulates type II collagen and COX-2 expression via MAPK and PI3K pathways in rabbit articular chondrocytes. Biologia (Poland), 2017, 72, 1362-1369.	1.5	11
64	Coumarinâ€Chalcones Generated from 3â€Acetylcoumarin as a Promising Agent: Synthesis and Pharmacological Properties. ChemistrySelect, 2022, 7, .	1.5	11
65	Thymoquinone (TQ) regulates cyclooxygenase-2 expression and prostaglandin E2 production through PI3kinase (PI3K)/p38 kinase pathway in human breast cancer cell line, MDA-MB-231. Animal Cells and Systems, 2012, 16, 274-279.	2.2	10
66	Synthesis, Bioevaluation and Molecular Dynamic Simulation Studies of Dexibuprofenâ€“Antioxidant Mutual Prodrugs. International Journal of Molecular Sciences, 2016, 17, 2151.	4.1	10
67	Protein phosphorylation on tyrosine restores expression and glycosylation of cyclooxygenase-2 by 2-deoxy-D-glucose-caused endoplasmic reticulum stress in rabbit articular chondrocyte. BMB Reports, 2012, 45, 317-322.	2.4	10
68	Gallotannin regulates apoptosis and COX-2 expression via Akt and p38kinase pathway in human lung cancer cell line, A549. Animal Cells and Systems, 2012, 16, 366-375.	2.2	9
69	Inhibitory effects on melanogenesis by thymoquinone are mediated through the Î²â€‘catenin pathway in B16F10 mouse melanoma cells. International Journal of Oncology, 2020, 56, 379-389.	3.3	9
70	5-Azacytidine regulates matrix metalloproteinase-9 expression, and the migration and invasion of human fibrosarcoma HT1080 cells via PI3-kinase and ERK1/2 pathways. International Journal of Oncology, 2016, 49, 1241-1247.	3.3	8
71	Rosmarinic acid induces rabbit articular chondrocyte differentiation by decreases matrix metalloproteinase-13 and inflammation by upregulating cyclooxygenase-2 expression. Journal of Biomedical Science, 2017, 24, 75.	7.0	8
72	Undaria pinnatifida a Rich Marine Reservoir of Nutritional and Pharmacological Potential: Insights into Growth Signaling and Apoptosis Mechanisms in Cancer. Nutrition and Cancer, 2018, 70, 956-970.	2.0	8

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73	Synthesis and Studies on Photophysical Properties of Rhodamine Derivatives for Bioimaging Applications. Bulletin of the Korean Chemical Society, 2019, 40, 554-559.	1.9	8
74	Synthesis, carbonic anhydrase inhibition, anticancer activity, and molecular docking studies of 1,3,4-oxadiazole derivatives. Molecular Diversity, 2023, 27, 193-208.	3.9	8
75	Sulforaphane induces cell differentiation, melanogenesis and also inhibit the proliferation of melanoma cells. European Journal of Pharmacology, 2022, 921, 174894.	3.5	8
76	DNA-hypomethylating agent, 5â€²-azacytidine, induces cyclooxygenase-2 expression via the PI3-kinase/Akt and extracellular signal-regulated kinase-1/2 pathways in human HT1080 fibrosarcoma cells. International Journal of Oncology, 2015, 47, 1469-1475.	3.3	7
77	In Vitro, In Silico Elucidation of Antiurease Activity, Kinetic Mechanism and <scp>COX</scp>â€² Inhibitory Efficacy of Coagulansin A of Withania coagulans. Chemistry and Biodiversity, 2018, 15, e1700427.	2.1	7
78	Simvastatin prevents articular chondrocyte dedifferentiation induced by nitric oxide by inhibiting the expression of matrix metalloproteinases 1 and 13. Experimental Biology and Medicine, 2018, 243, 1165-1172.	2.4	7
79	Simvastatin abolishes nitric oxideâ€•and reactive oxygen speciesâ€•induced cyclooxygenaseâ€² expression by blocking the nuclear factor ÎºB pathway in rabbit articular chondrocytes. Cell Biology International, 2020, 44, 2153-2162.	3.0	7
80	Identification of Novel Natural Product Inhibitors against Matrix Metalloproteinase 9 Using Quantum Mechanical Fragment Molecular Orbital-Based Virtual Screening Methods. International Journal of Molecular Sciences, 2022, 23, 4438.	4.1	7
81	Simvastatin induces differentiation in rabbit articular chondrocytes via Wnt/Î²-catenin pathway. European Journal of Pharmacology, 2019, 863, 172672.	3.5	6
82	Elastase inhibitory activity of quinoline Analogues: Synthesis, kinetic mechanism, cytotoxicity, chemoinformatics and molecular docking studies. Bioorganic and Medicinal Chemistry, 2022, 63, 116745.	3.0	6
83	Simvastatin-dependent actin cytoskeleton rearrangement regulates differentiation via the extracellular signal-regulated kinase-1/2 and p38 kinase pathways in rabbit articular chondrocytes. European Journal of Pharmacology, 2018, 834, 197-205.	3.5	5
84	PEP-1-glutaredoxin-1 induces dedifferentiation of rabbit articular chondrocytes by the endoplasmic reticulum stress-dependent ERK-1/2 pathway and the endoplasmic reticulum stress-independent p38 kinase and PI-3 kinase pathways. International Journal of Biological Macromolecules, 2018, 111, 1059-1066.	7.5	5
85	Src Kinase Regulates Nitric Oxide-induced Dedifferentiation and Cyclooxygenase-2 Expression in Articular Chondrocytes via p38 Kinase-dependent Pathway. Immune Network, 2006, 6, 204.	3.6	5
86	Sulforaphane inhibits proliferation by causing cell cycle arrest at the G2/M phase in rabbit articular chondrocytes. Molecular Medicine Reports, 2012, 6, 1199-1203.	2.4	4
87	Kruppel-like factor 4 (KLF-4) plays a crucial role in simvastatin (SVT)-induced differentiation of rabbit articular chondrocytes. Biochemical and Biophysical Research Communications, 2018, 501, 814-819.	2.1	4
88	Targeting FGL2, a molecular drug target for glioblastoma, with natural compounds through virtual screening method. Future Medicinal Chemistry, 2021, 13, 805-816.	2.3	3
89	Identification of medicinal compounds as potential inhibitors for mutated isocitrate dehydrogenases against chondrosarcoma. Saudi Journal of Biological Sciences, 2021, 29, 161-167.	3.8	3
90	3â€²Bromoacetylcoumarin, a Crucial Key for Facial Synthesis of Biological Active Compounds. ChemistrySelect, 2022, 7, .	1.5	3

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91	Sulforaphane (SFN) regulates dedifferentiation and cyclooxygenase-2 (COX-2) expression via MAPkinase pathway in rabbit articular chondrocytes. Biomedicine and Preventive Nutrition, 2013, 3, 91-97.	0.9	2
92	Do fever-relieving medicines have anti-COVID activity: an in silico insight. Future Virology, 2021, 16, 293-300.	1.8	2
93	Synthesis, Crystal Structure, Anti-inflammatory and Anti-hyperglycemic Activities of Novel 3,4-Disubstituted 1,2,4-Triazol-5(4H)-one Derivatives. Medicinal Chemistry, 2014, 10, 810-823.	1.5	2
94	Gallotannin attenuates 2â€‘deoxyâ€‘Dâ€‘glucoseâ€‘induced dedifferentiation and endoplasmic reticulum stress through inhibition of inositolâ€‘requiring enzyme 1 downstream p38 kinase pathway in chondrocytes. Molecular Medicine Reports, 2019, 20, 5249-5256.	2.4	2
95	Recent Advances in Liposome Techniques and their Applications in Arthritis. Recent Patents on Biomedical Engineering, 2012, 5, 57-62.	0.5	1
96	Synthesis and exploration of a novel chlorobenzylated 2-aminothiazole-phenyltriazole hybrid as migratory inhibitor of B16F10 in melanoma cells. Toxicology Reports, 2019, 6, 897-903.	3.3	1
97	Iksan526 Rice Callus Extract Induces Dedifferentiation of Rabbit Articular Chondrocytes via ERK1/2 and PI-3K/Akt Pathways. Rice Science, 2020, 27, 504-514.	3.9	1
98	Pharmacological Role of Ostericum koreanum: A Short Viewpoint. Natural Product Communications, 2021, 16, 1934578X2110507.	0.5	1
99	Effects of Thymoquinone and Iksan 526 callus Extract on B16F10 and A375 Cell Lines. International Journal of Pharmacology, 2020, 16, 479-491.	0.3	1
100	Therapeutic role of medicinal plant extracts and bioactive compounds in osteoarthritis. Advances in Traditional Medicine, 0, , 1.	2.0	1
101	Synthesis, Characterization and In Silico Biological and Anticancer Activity of 3-(2-Fluorophenyl)-N-(4-Fluorophenyl)- 7H-[1,2,4] Triazolo[3,4-b] [1,3,4] Thiadiazin-6-Amine. , 2022, 49, .		1
102	Bioinformatic Analysis of Antiviral Medicinal Compounds Against Sars Cov-2 Proteases. Kuwait Journal of Science, 0, , .	0.6	1
103	In silico effect of Korean medicinal phytocompounds on gene targets of osteoarthritis. Advances in Traditional Medicine, 2022, 22, 99-106.	2.0	0
104	Exploring Aromatic Medicinal Compounds for the Treatment of Amyotrophic Lateral Sclerosis. Natural Product Communications, 2021, 16, 1934578X2110308.	0.5	0
105	Synergistic Effect of Combined Growth Factors in porcine intervertebral disc degeneration. Connective Tissue Research, 0, , 130213063818006.	2.3	0
106	Anti-proliferative and migratory inhibition study of b16f10 in mouse melanoma cells induced by synthetic indole-oxadiazole bearing butanamides. Open Journal of Chemistry, 2019, 2, 21-29.	1.5	0
107	Depression, Suicidal Tendencies, Hopelessness, and Stress among Patients with Learning Disabilities. , 0, , .		0