

Young-Ok Son

List of Publications by Year in descending order

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106
papers

5,065
citations

81434

41
h-index

116156

66
g-index

109
all docs

109
docs citations

109
times ranked

8510
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative stress and metal carcinogenesis. <i>Free Radical Biology and Medicine</i> , 2012, 53, 742-757.	1.3	223
2	Quercetin Inhibits Angiogenesis Mediated Human Prostate Tumor Growth by Targeting VEGFR- 2 Regulated AKT/mTOR/P70S6K Signaling Pathways. <i>PLoS ONE</i> , 2012, 7, e47516.	1.1	219
3	The CH25Hâ€“CYP7B1â€“RORÎ± axis of cholesterol metabolism regulates osteoarthritis. <i>Nature</i> , 2019, 566, 254-258.	13.7	172
4	Increase of NKG2D ligands and sensitivity to NK cell-mediated cytotoxicity of tumor cells by heat shock and ionizing radiation. <i>Experimental and Molecular Medicine</i> , 2006, 38, 474-484.	3.2	164
5	Cancer Prevention with Promising Natural Products: Mechanisms of Action and Molecular Targets. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2012, 12, 1159-1184.	0.9	136
6	Quercitrin protects skin from UVB-induced oxidative damage. <i>Toxicology and Applied Pharmacology</i> , 2013, 269, 89-99.	1.3	124
7	Ripe fruits of <i>Solanum nigrum</i> L. inhibits cell growth and induces apoptosis in MCF-7 cells. <i>Food and Chemical Toxicology</i> , 2003, 41, 1421-1428.	1.8	122
8	Cadmium induces autophagy through ROS-dependent activation of the LKB1â€“AMPK signaling in skin epidermal cells. <i>Toxicology and Applied Pharmacology</i> , 2011, 255, 287-296.	1.3	119
9	Cadmium induces carcinogenesis in BEAS-2B cells through ROS-dependent activation of PI3K/AKT/GSK-3Î²/Î²-catenin signaling. <i>Toxicology and Applied Pharmacology</i> , 2012, 264, 153-160.	1.3	114
10	Reactive Oxygen Species-Activated Akt/ASK1/p38 Signaling Pathway in Nickel Compound-Induced Apoptosis in BEAS 2B Cells. <i>Chemical Research in Toxicology</i> , 2010, 23, 568-577.	1.7	113
11	Flavonoids purified from <i>Rhus verniciflua</i> Stokes actively inhibit cell growth and induce apoptosis in human osteosarcoma cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005, 1726, 309-316.	1.1	105
12	Roles of ROS, Nrf2, and autophagy in cadmium-carcinogenesis and its prevention by sulforaphane. <i>Toxicology and Applied Pharmacology</i> , 2018, 353, 23-30.	1.3	98
13	Cr(VI) induces mitochondrial-mediated and caspase-dependent apoptosis through reactive oxygen species-mediated p53 activation in JB6 Cl41 cells. <i>Toxicology and Applied Pharmacology</i> , 2010, 245, 226-235.	1.3	93
14	NADPH Oxidase Activation Is Required in Reactive Oxygen Species Generation and Cell Transformation Induced by Hexavalent Chromium. <i>Toxicological Sciences</i> , 2011, 123, 399-410.	1.4	92
15	Mycotoxin zearalenone induces AIF- and ROS-mediated cell death through p53- and MAPK-dependent signaling pathways in RAW264.7 macrophages. <i>Toxicology in Vitro</i> , 2011, 25, 1654-1663.	1.1	91
16	Luteolin Inhibits Human Prostate Tumor Growth by Suppressing Vascular Endothelial Growth Factor Receptor 2-Mediated Angiogenesis. <i>PLoS ONE</i> , 2012, 7, e52279.	1.1	90
17	Cadmium Induces Intracellular Ca ²⁺ - and H ₂ O ₂ -Dependent Apoptosis through JNK- and p53-Mediated Pathways in Skin Epidermal Cell line. <i>Toxicological Sciences</i> , 2010, 113, 127-137.	1.4	89
18	Selective antiproliferative and apoptotic effects of flavonoids purified from <i>Rhus verniciflua</i> Stokes on normal versus transformed hepatic cell lines. <i>Toxicology Letters</i> , 2005, 155, 115-125.	0.4	87

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19	Luteolin inhibits Cr(VI)-induced malignant cell transformation of human lung epithelial cells by targeting ROS mediated multiple cell signaling pathways. <i>Toxicology and Applied Pharmacology</i> , 2014, 281, 230-241.	1.3	87
20	Apigenin Induces Apoptosis in Human Leukemia Cells and Exhibits Anti-Leukemic Activity <i>In Vivo</i> . <i>Molecular Cancer Therapeutics</i> , 2012, 11, 132-142.	1.9	85
21	Arsenic Induces Insulin Resistance in Mouse Adipocytes and Myotubes Via Oxidative Stress-Regulated Mitochondrial Sirt3-FOXO3a Signaling Pathway. <i>Toxicological Sciences</i> , 2015, 146, 290-300.	1.4	79
22	Direct injection of immature dendritic cells into irradiated tumor induces efficient antitumor immunity. <i>International Journal of Cancer</i> , 2004, 109, 685-690.	2.3	77
23	Cyanidin-3-glucoside inhibits UVB-induced oxidative damage and inflammation by regulating MAP kinase and NF- κ B signaling pathways in SKH-1 hairless mice skin. <i>Toxicology and Applied Pharmacology</i> , 2014, 280, 127-137.	1.3	76
24	Nrf2/p62 Signaling in Apoptosis Resistance and Its Role in Cadmium-induced Carcinogenesis. <i>Journal of Biological Chemistry</i> , 2014, 289, 28660-28675.	1.6	73
25	Quercetin Induces Tumor-Selective Apoptosis through Downregulation of Mcl-1 and Activation of Bax. <i>Clinical Cancer Research</i> , 2010, 16, 5679-5691.	3.2	72
26	Blackberry extract inhibits UVB-induced oxidative damage and inflammation through MAP kinases and NF- κ B signaling pathways in SKH-1 mice skin. <i>Toxicology and Applied Pharmacology</i> , 2015, 284, 92-99.	1.3	66
27	Antioxidant and Anti-hyperglycemic Activity of Polysaccharide Isolated from <i>Dendrobium chrysotoxum</i> Lindl. <i>BMB Reports</i> , 2007, 40, 670-677.	1.1	63
28	Sodium fluoride induces apoptosis in mouse embryonic stem cells through ROS-dependent and caspase- and JNK-mediated pathways. <i>Toxicology and Applied Pharmacology</i> , 2012, 259, 329-337.	1.3	60
29	Quercetin inhibits Cr(VI)-induced malignant cell transformation by targeting miR-21-PDCD4 signaling pathway. <i>Oncotarget</i> , 2017, 8, 52118-52131.	0.8	60
30	Apoptosis-inducing factor plays a critical role in caspase-independent, pyknotic cell death in hydrogen peroxide-exposed cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 796-808.	2.2	58
31	Estrogen-related receptor $\hat{1}$ 3 causes osteoarthritis by upregulating extracellular matrix-degrading enzymes. <i>Nature Communications</i> , 2017, 8, 2133.	5.8	57
32	Role of reactive oxygen species in arsenic-induced transformation of human lung bronchial epithelial (BEAS-2B) cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 643-648.	1.0	56
33	Cyclic mechanical stress suppresses myogenic differentiation of adult bovine satellite cells through activation of extracellular signal-regulated kinase. <i>Molecular and Cellular Biochemistry</i> , 2008, 309, 133-141.	1.4	54
34	Stimulating effects on mouse splenocytes of glycoproteins from the herbal medicine <i>Atractylodes macrocephala</i> Koidz.. <i>Phytomedicine</i> , 2007, 14, 390-395.	2.3	53
35	Reactive oxygen species mediate arsenic induced cell transformation and tumorigenesis through Wnt/ $\hat{1}$ 2-catenin pathway in human colorectal adenocarcinoma DLD1 cells. <i>Toxicology and Applied Pharmacology</i> , 2011, 256, 114-121.	1.3	53
36	RNA-binding protein ZFP36L1 regulates osteoarthritis by modulating members of the heat shock protein 70 family. <i>Nature Communications</i> , 2019, 10, 77.	5.8	53

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37	Quercetin Inhibits β -MSH-stimulated Melanogenesis in B16F10 Melanoma Cells. <i>Phytotherapy Research</i> , 2011, 25, 1166-1173.	2.8	50
38	Acteoside inhibits melanogenesis in B16F10 cells through ERK activation and tyrosinase down-regulation. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 1309-1319.	1.2	49
39	Caspase-independent death of human osteosarcoma cells by flavonoids is driven by p53-mediated mitochondrial stress and nuclear translocation of AIF and endonuclease G. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007, 12, 1289-1298.	2.2	47
40	Constitutive Activation of Epidermal Growth Factor Receptor Promotes Tumorigenesis of Cr(VI)-transformed Cells through Decreased Reactive Oxygen Species and Apoptosis Resistance Development. <i>Journal of Biological Chemistry</i> , 2015, 290, 2213-2224.	1.6	43
41	Hexavalent chromium induces malignant transformation of human lung bronchial epithelial cells via ROS-dependent activation of miR-21-PDCD4 signaling. <i>Oncotarget</i> , 2016, 7, 51193-51210.	0.8	43
42	Antioxidant, anti-inflammatory and anti-septic potential of phenolic acids and flavonoid fractions isolated from <i>Lolium multiflorum</i> . <i>Pharmaceutical Biology</i> , 2017, 55, 611-619.	1.3	41
43	Antioxidant property of an active component purified from the leaves of paraquat-tolerant <i>Rehmannia glutinosa</i> . <i>Redox Report</i> , 2005, 10, 311-318.	1.4	40
44	Role of MAPK in mechanical force-induced up-regulation of type I collagen and osteopontin in human gingival fibroblasts. <i>Molecular and Cellular Biochemistry</i> , 2009, 320, 45-52.	1.4	40
45	Hypoxia affects positively the proliferation of bovine satellite cells and their myogenic differentiation through up-regulation of MyoD. <i>Cell Biology International</i> , 2008, 32, 871-878.	1.4	39
46	Continuously generated H_2O_2 stimulates the proliferation and osteoblastic differentiation of human periodontal ligament fibroblasts. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 1426-1436.	1.2	38
47	Cellular mechanisms of the cytotoxic effects of the zearalenone metabolites β -zearalenol and β^2 -zearalenol on RAW264.7 macrophages. <i>Toxicology in Vitro</i> , 2013, 27, 1007-1017.	1.1	38
48	Cardioprotective effect of total paeony glycosides against isoprenaline-induced myocardial ischemia in rats. <i>Phytomedicine</i> , 2012, 19, 672-676.	2.3	37
49	Selective effects of quercetin on the cell growth and antioxidant defense system in normal versus transformed mouse hepatic cell lines. <i>European Journal of Pharmacology</i> , 2004, 502, 195-204.	1.7	36
50	Reactive oxygen species mediate Cr(VI)-induced carcinogenesis through PI3K/AKT-dependent activation of GSK-3 β / β^2 -catenin signaling. <i>Toxicology and Applied Pharmacology</i> , 2013, 271, 239-248.	1.3	36
51	Activation of Epidermal Growth Factor Receptor/p38/Hypoxia-inducible Factor-1 α Is Pivotal for Angiogenesis and Tumorigenesis of Malignantly Transformed Cells Induced by Hexavalent Chromium. <i>Journal of Biological Chemistry</i> , 2016, 291, 16271-16281.	1.6	36
52	Quercetin, a bioflavonoid, accelerates TNF- α -induced growth inhibition and apoptosis in MC3T3-E1 osteoblastic cells. <i>European Journal of Pharmacology</i> , 2006, 529, 24-32.	1.7	34
53	Plant-originated glycoprotein, G-120, inhibits the growth of MCF-7 cells and induces their apoptosis. <i>Food and Chemical Toxicology</i> , 2005, 43, 961-968.	1.8	33
54	Mechanical force inhibits osteoclastogenic potential of human periodontal ligament fibroblasts through OPG production and ERK-mediated signaling. <i>Journal of Cellular Biochemistry</i> , 2009, 106, 1010-1019.	1.2	33

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55	Satellite cells isolated from adult Hanwoo muscle can proliferate and differentiate into myoblasts and adipose-like cells. <i>Molecules and Cells</i> , 2006, 22, 239-45.	1.0	32
56	The Effects of Rosiglitazone on Osteoblastic Differentiation, Osteoclast Formation and Bone Resorption. <i>Molecules and Cells</i> , 2012, 33, 173-182.	1.0	31
57	Critical role of poly(ADP-ribose) polymerase-1 in modulating the mode of cell death caused by continuous oxidative stress. <i>Journal of Cellular Biochemistry</i> , 2009, 108, 989-997.	1.2	30
58	Antioncogenic and Oncogenic Properties of Nrf2 in Arsenic-induced Carcinogenesis. <i>Journal of Biological Chemistry</i> , 2015, 290, 27090-27100.	1.6	28
59	Critical role for arginase II in osteoarthritis pathogenesis. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 421-428.	0.5	28
60	Quercetin accelerates TNF- α -induced apoptosis of MC3T3-E1 osteoblastic cells through caspase-dependent and JNK-mediated pathways. <i>European Journal of Pharmacology</i> , 2008, 579, 26-33.	1.7	27
61	Protection from Cr(VI)-induced malignant cell transformation and tumorigenesis of Cr(VI)-transformed cells by luteolin through Nrf2 signaling. <i>Toxicology and Applied Pharmacology</i> , 2017, 331, 24-32.	1.3	25
62	Development of a Conserved Chimeric Vaccine for Induction of Strong Immune Response against <i>Staphylococcus aureus</i> Using Immunoinformatics Approaches. <i>Vaccines</i> , 2021, 9, 1038.	2.1	25
63	Activation of Akt/GSK3 β and Akt/Bcl-2 signaling pathways in nickel-transformed BEAS-2B cells. <i>International Journal of Oncology</i> , 2011, 39, 1285-94.	1.4	24
64	Nasal immunization with major epitope-containing ApxIIA toxin fragment induces protective immunity against challenge infection with <i>Actinobacillus pleuropneumoniae</i> in a murine model. <i>Veterinary Immunology and Immunopathology</i> , 2013, 151, 102-112.	0.5	24
65	Hydrogen peroxide induces apoptosis of BJAB cells due to formation of hydroxyl radicals via intracellular iron-mediated Fenton chemistry in glucose oxidase-mediated oxidative stress. <i>Molecules and Cells</i> , 2006, 22, 21-9.	1.0	24
66	Continuous presence of H ₂ O ₂ induces mitochondrial-mediated, MAPK- and caspase-independent growth inhibition and cytotoxicity in human gingival fibroblasts. <i>Toxicology in Vitro</i> , 2012, 26, 561-570.	1.1	23
67	Comparison of Level of NKG2D Ligands between Normal and Tumor Tissue Using Multiplex RT-PCR. <i>Cancer Investigation</i> , 2007, 25, 299-307.	0.6	22
68	The mouse small ubiquitin-like modifier-2 (SUMO-2) inhibits interleukin-12 (IL-12) production in mature dendritic cells by blocking the translocation of the p65 subunit of NF- κ B into the nucleus. <i>Molecular Immunology</i> , 2011, 48, 2189-2197.	1.0	22
69	Ascorbic acid increases the activity and synthesis of tyrosinase in B16F10 cells through activation of p38 mitogen-activated protein kinase. <i>Archives of Dermatological Research</i> , 2011, 303, 669-678.	1.1	22
70	Phytochemicals in Cancer Prevention and Therapy. <i>BioMed Research International</i> , 2015, 2015, 1-2.	0.9	22
71	Mechanical force augments the anti-osteoclastogenic potential of human gingival fibroblasts <i>in vitro</i> . <i>Journal of Periodontal Research</i> , 2009, 44, 402-410.	1.4	20
72	Nuclear factor erythroid 2-related factor 2 enhances carcinogenesis by suppressing apoptosis and promoting autophagy in nickel-transformed cells. <i>Journal of Biological Chemistry</i> , 2017, 292, 8315-8330.	1.6	20

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73	Glycoproteins and Polysaccharides are the Main Class of Active Constituents Required for Lymphocyte Stimulation and Antigen-Specific Immune Response Induction by Traditional Medicinal Herbal Plants. <i>Journal of Medicinal Food</i> , 2017, 20, 1011-1021.	0.8	20
74	Involvement of p38 MAPK-mediated signaling in the calpeptin-mediated suppression of myogenic differentiation and fusion in C2C12 cells. <i>Molecular and Cellular Biochemistry</i> , 2008, 310, 85-92.	1.4	19
75	Inhibition of c-Jun N-terminal kinase sensitizes tumor cells to flavonoid-induced apoptosis through down-regulation of JunD. <i>Toxicology and Applied Pharmacology</i> , 2008, 227, 468-476.	1.3	19
76	Methanol extract of the aerial parts of barley (<i>Hordeum vulgare</i>) suppresses lipopolysaccharide-induced inflammatory responses <i>in vitro</i> and <i>in vivo</i> . <i>Pharmaceutical Biology</i> , 2013, 51, 1066-1076.	1.3	19
77	Anti-oxidant and anti-inflammatory properties of methanol extracts from various crops. <i>Food Science and Biotechnology</i> , 2013, 22, 265-272.	1.2	19
78	MODULATION OF ANTIGEN-SPECIFIC IMMUNE RESPONSES BY THE ORAL ADMINISTRATION OF A TRADITIONAL MEDICINE, BO-YANG-HWAN-O-TANG. <i>Immunopharmacology and Immunotoxicology</i> , 2002, 24, 423-440.	1.1	18
79	Apigenin suppresses migration and invasion of transformed cells through down-regulation of C-X-C chemokine receptor 4 expression. <i>Toxicology and Applied Pharmacology</i> , 2013, 272, 108-116.	1.3	16
80	Over-expression of JunB inhibits mitochondrial stress and cytotoxicity in human lymphoma cells exposed to chronic oxidative stress. <i>BMB Reports</i> , 2010, 43, 57-61.	1.1	16
81	Compressive mechanical force augments osteoclastogenesis by bone marrow macrophages through activation of $\text{c}\mu\text{Fms}$ -mediated signaling. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 1260-1269.	1.2	15
82	The Dual Roles of c-Jun NH2-Terminal Kinase Signaling in Cr(VI)-Induced Apoptosis in JB6 Cells. <i>Toxicological Sciences</i> , 2011, 119, 335-345.	1.4	15
83	Cancer Stem-Like Cells Accumulated in Nickel-Induced Malignant Transformation. <i>Toxicological Sciences</i> , 2016, 151, 376-387.	1.4	15
84	Natural Plant Extracts and Compounds for Rheumatoid Arthritis Therapy. <i>Medicina (Lithuania)</i> , 2021, 57, 266.	0.8	15
85	Next-Generation Bioinformatics Approaches and Resources for Coronavirus Vaccine Discovery and Development—A Perspective Review. <i>Vaccines</i> , 2021, 9, 812.	2.1	15
86	Reactive Oxygen Species Mediate Cr(VI)-induced S Phase Arrest Through p53 in Human Colon Cancer Cells. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2012, 31, 95-107.	0.6	15
87	Molecular Mechanisms of Nickel-Induced Carcinogenesis. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2020, 20, 1015-1023.	0.6	14
88	Estrogen-related receptor $\hat{1}^3$ is a novel catabolic regulator of osteoarthritis pathogenesis. <i>BMB Reports</i> , 2018, 51, 165-166.	1.1	14
89	Ethanol enhances arsenic-induced cyclooxygenase-2 expression via both NFAT and NF- $\hat{1}^{\text{B}}$ signalings in colorectal cancer cells. <i>Toxicology and Applied Pharmacology</i> , 2015, 288, 232-239.	1.3	13
90	Therapeutic Single Compounds for Osteoarthritis Treatment. <i>Pharmaceuticals</i> , 2021, 14, 131.	1.7	13

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91	BATF regulates collagen-induced arthritis by regulating T helper cell differentiation. <i>Arthritis Research and Therapy</i> , 2018, 20, 161.	1.6	12
92	Plasma-arc generated light inhibits proliferation and induces apoptosis of human gingival fibroblasts in a dose-dependent manner. <i>Dental Materials</i> , 2008, 24, 1036-1042.	1.6	11
93	Activation of JNK and c-Jun Is Involved in Glucose Oxidase-Mediated Cell Death of Human Lymphoma Cells. <i>Molecules and Cells</i> , 2009, 28, 545-552.	1.0	11
94	Involvement of caspase activation and mitochondrial stress in taxol-induced apoptosis of Epstein-Barr virus-infected Akata cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 1894-1902.	1.1	10
95	Suppressive Effect of a Standardized Mistletoe Extract on the Expression of Activatory NK Receptors and Function of Human NK Cells. <i>Journal of Clinical Immunology</i> , 2007, 27, 477-485.	2.0	9
96	Inhibitory Effects of IL-6-Mediated Matrix Metalloproteinase-3 and -13 by <i>Achyranthes japonica</i> Nakai Root in Osteoarthritis and Rheumatoid Arthritis Mice Models. <i>Pharmaceuticals</i> , 2021, 14, 776.	1.7	9
97	Involvement of caspase activation and mitochondrial stress in trichostatin A-induced apoptosis of Burkitt's lymphoma cell line, Akata. <i>Journal of Cellular Biochemistry</i> , 2006, 99, 1420-1430.	1.2	8
98	Catechin-7-O- β -D-glucopyranoside scavenges free radicals and protects human B lymphoma BJAB cells on H ₂ O ₂ -mediated oxidative stress. <i>Food Science and Biotechnology</i> , 2011, 20, 151-158.	1.2	8
99	Nickel-induced down-regulation of p63 and its role in the proliferation of keratinocytes. <i>Toxicology and Applied Pharmacology</i> , 2011, 253, 235-243.	1.3	6
100	Epstein-Barr Virus-infected Akata Cells Are Sensitive to Histone Deacetylase Inhibitor TSA-provoked Apoptosis. <i>BMB Reports</i> , 2005, 38, 755-762.	1.1	6
101	GSK5182, 4-Hydroxytamoxifen Analog, a New Potential Therapeutic Drug for Osteoarthritis. <i>Pharmaceuticals</i> , 2020, 13, 429.	1.7	5
102	Multi-Probiotic <i>Lactobacillus</i> Supplementation Improves Liver Function and Reduces Cholesterol Levels in Jeju Native Pigs. <i>Animals</i> , 2021, 11, 2309.	1.0	5
103	Glycoproteins isolated from <i>Atractylodes macrocephala</i> Koidz improve protective immune response induction in a mouse model. <i>Food Science and Biotechnology</i> , 2018, 27, 1823-1831.	1.2	4
104	<i>Streptococcus mutans</i> GS-5 antigen I/II stimulates cell survival in serum deprived-cultures through PI3K/Akt pathways. <i>Journal of Cellular Biochemistry</i> , 2011, 113, n/a-n/a.	1.2	3
105	A Phenolic Acid and Flavonoid Fraction Isolated from <i>Lolium multiflorum</i> Lam. Prevents d-Galactosamine-Induced Liver Damages through the Augmentation of Nrf2 Expression. <i>Indian Journal of Clinical Biochemistry</i> , 2019, 34, 68-75.	0.9	2
106	<i>Bacillus</i> -supplemented diet improves growth performance in Jeju native pigs by modulating myogenesis and adipogenesis. <i>Animal Biotechnology</i> , 2023, 34, 1763-1775.	0.7	1