

# Syng-Ook Lee

## List of Publications by Year in descending order

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72  
papers

3,119  
citations

186209

28  
h-index

161767

54  
g-index

75  
all docs

75  
docs citations

75  
times ranked

4460  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbiome-Derived Tryptophan Metabolites and Their Aryl Hydrocarbon Receptor-Dependent Agonist and Antagonist Activities. <i>Molecular Pharmacology</i> , 2014, 85, 777-788.	1.0	254
2	Role of the Aryl Hydrocarbon Receptor in Carcinogenesis and Potential as a Drug Target. <i>Toxicological Sciences</i> , 2013, 135, 1-16.	1.4	230
3	Identification of oncogenic microRNA-17-92/ZBTB4/specificity protein axis in breast cancer. <i>Oncogene</i> , 2012, 31, 1034-1044.	2.6	168
4	Inactivation of the Orphan Nuclear Receptor TR3/Nur77 Inhibits Pancreatic Cancer Cell and Tumor Growth. <i>Cancer Research</i> , 2010, 70, 6824-6836.	0.4	139
5	Minireview: Role Of Orphan Nuclear Receptors in Cancer and Potential as Drug Targets. <i>Molecular Endocrinology</i> , 2014, 28, 157-172.	3.7	128
6	The aryl hydrocarbon receptor ligand omeprazole inhibits breast cancer cell invasion and metastasis. <i>BMC Cancer</i> , 2014, 14, 498.	1.1	118
7	Aspirin Inhibits Colon Cancer Cell and Tumor Growth and Downregulates Specificity Protein (Sp) Transcription Factors. <i>PLoS ONE</i> , 2012, 7, e48208.	1.1	112
8	Silibinin suppresses PMA-induced MMP-9 expression by blocking the AP-1 activation via MAPK signaling pathways in MCF-7 human breast carcinoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 354, 165-171.	1.0	109
9	The nuclear receptor TR3 regulates mTORC1 signaling in lung cancer cells expressing wild-type p53. <i>Oncogene</i> , 2012, 31, 3265-3276.	2.6	100
10	Targeting NR4A1 (TR3) in cancer cells and tumors. <i>Expert Opinion on Therapeutic Targets</i> , 2011, 15, 195-206.	1.5	94
11	The Orphan Nuclear Receptor NR4A1 (Nur77) Regulates Oxidative and Endoplasmic Reticulum Stress in Pancreatic Cancer Cells. <i>Molecular Cancer Research</i> , 2014, 12, 527-538.	1.5	87
12	Betulinic Acid Targets YY1 and ErbB2 through Cannabinoid Receptor-Dependent Disruption of MicroRNA-27a:ZBTB10 in Breast Cancer. <i>Molecular Cancer Therapeutics</i> , 2012, 11, 1421-1431.	1.9	79
13	Diindolylmethane Analogs Bind NR4A1 and Are NR4A1 Antagonists in Colon Cancer Cells. <i>Molecular Endocrinology</i> , 2014, 28, 1729-1739.	3.7	79
14	Wogonin suppresses TNF- $\alpha$ -induced MMP-9 expression by blocking the NF- $\kappa$ B activation via MAPK signaling pathways in human aortic smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2006, 351, 118-125.	1.0	78
15	Tolfenamic acid inhibits esophageal cancer through repression of specificity proteins and c-Met. <i>Carcinogenesis</i> , 2009, 30, 1193-1201.	1.3	77
16	Aryl Hydrocarbon Receptor (AHR)-Active Pharmaceuticals Are Selective AHR Modulators in MDA-MB-468 and BT474 Breast Cancer Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 343, 333-341.	1.3	77
17	Suppression of PMA-induced tumor cell invasion by capillarisin via the inhibition of NF- $\kappa$ B-dependent MMP-9 expression. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 1019-1024.	1.0	70
18	Activation of nuclear TR3 (NR4A1) by a diindolylmethane analog induces apoptosis and proapoptotic genes in pancreatic cancer cells and tumors. <i>Carcinogenesis</i> , 2011, 32, 836-842.	1.3	70

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19	Structure-dependent activation of NR4A2 (Nurr1) by 1,1-bis(3- $\beta$ -indolyl)-1-(aromatic)methane analogs in pancreatic cancer cells. <i>Biochemical Pharmacology</i> , 2012, 83, 1445-1455.	2.0	66
20	Activation of Nerve Growth Factor-Induced $\beta$ by Methylene-Substituted Diindolylmethanes in Bladder Cancer Cells Induces Apoptosis and Inhibits Tumor Growth. <i>Molecular Pharmacology</i> , 2010, 77, 396-404.	1.0	65
21	Nuclear Receptor 4A1 (NR4A1) as a Drug Target for Renal Cell Adenocarcinoma. <i>PLoS ONE</i> , 2015, 10, e0128308.	1.1	51
22	Nuclear receptor 4A1 as a drug target for breast cancer chemotherapy. <i>Endocrine-Related Cancer</i> , 2015, 22, 831-840.	1.6	51
23	NR4A1 Antagonists Inhibit $\beta$ 1-Integrin-Dependent Breast Cancer Cell Migration. <i>Molecular and Cellular Biology</i> , 2016, 36, 1383-1394.	1.1	49
24	The Antidiabetic Effect of Dietary Persimmon ( <i>Diospyros kaki</i> L. cv. Sangjudungsi) Peel in Streptozotocin-induced Diabetic Rats. <i>Journal of Food Science</i> , 2006, 71, S293-S298.	1.5	39
25	The Transcriptional Repressor ZBTB4 Regulates EZH2 Through a MicroRNA-ZBTB4-Specificity Protein Signaling Axis. <i>Neoplasia</i> , 2014, 16, 1059-1069.	2.3	36
26	Inhibition of pituitary tumor-transforming gene-1 in thyroid cancer cells by drugs that decrease specificity proteins. <i>Molecular Carcinogenesis</i> , 2011, 50, 655-667.	1.3	35
27	p21 Expression Is Induced by Activation of Nuclear Nerve Growth Factor-Induced $\beta$ (Nur77) in Pancreatic Cancer Cells. <i>Molecular Cancer Research</i> , 2009, 7, 1169-1178.	1.5	31
28	Novel hepatoprotective peptides derived from protein hydrolysates of mealworm ( <i>Tenebrio molitor</i> ). <i>Food Research International</i> , 2020, 133, 109194.	2.9	30
29	Induction of Quinone Reductase, The Phase 2 Anticarcinogenic Marker Enzyme, in Hepa1c1c7 Cells by Radish Sprouts, <i>Raphanus sativus</i> L.. <i>Journal of Food Science</i> , 2006, 71, S144.	1.5	26
30	The pharmacological potential of <i>Sorbus commixta</i> cortex on blood alcohol concentration and hepatic lipid peroxidation in acute alcohol-treated rats. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 685-693.	1.2	25
31	Defatted safflower seed extract inhibits adipogenesis in 3T3-L1 preadipocytes and improves lipid profiles in C57BL/6J ob/ob mice fed a high-fat diet. <i>Nutrition Research</i> , 2016, 36, 995-1003.	1.3	24
32	Flavonoids kaempferol and quercetin are nuclear receptor 4A1 (NR4A1, Nur77) ligands and inhibit rhabdomyosarcoma cell and tumor growth. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 392.	3.5	24
33	Peroxisome proliferator-activated receptor $\beta$ -dependent activity of indole ring-substituted 1,1-bis(3- $\beta$ -indolyl)-1-(p-biphenyl)methanes in cancer cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2010, 66, 141-150.	1.1	23
34	Fucoidan induces caspase-dependent apoptosis in MC3 human mucoepidermoid carcinoma cells. <i>Experimental and Therapeutic Medicine</i> , 2014, 7, 228-232.	0.8	23
35	<i>Myristica fragrans</i> Suppresses Tumor Growth and Metabolism by Inhibiting Lactate Dehydrogenase A. <i>The American Journal of Chinese Medicine</i> , 2016, 44, 1063-1079.	1.5	22
36	Inactivation of the orphan nuclear receptor NR4A1 contributes to apoptosis induction by fangchinoline in pancreatic cancer cells. <i>Toxicology and Applied Pharmacology</i> , 2017, 332, 32-39.	1.3	22

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37	Dual targeting of Nur77 and AMPK $\hat{\pm}$ by isolantolactone inhibits adipogenesis in vitro and decreases body fat mass in vivo. <i>International Journal of Obesity</i> , 2019, 43, 952-962.	1.6	22
38	Role of NAD(P)H:quinone oxidoreductase 1 on tumor necrosis factor $\hat{\pm}$ -induced migration of human vascular smooth muscle cells. <i>Cardiovascular Research</i> , 2007, 76, 331-339.	1.8	21
39	<i>Panax notoginseng</i> Inhibits Tumor Growth through Activating Macrophage to M1 Polarization. <i>The American Journal of Chinese Medicine</i> , 2018, 46, 1369-1385.	1.5	21
40	Mdm2 Regulates Estrogen Receptor $\hat{\Delta}$ and Estrogen-responsiveness in Breast Cancer Cells. <i>Journal of Molecular Endocrinology</i> , 2010, 46, 67-79.	1.1	20
41	Water-extracted <i>Perilla frutescens</i> increases endometrial receptivity though leukemia inhibitory factor-dependent expression of integrins. <i>Journal of Pharmacological Sciences</i> , 2016, 131, 259-266.	1.1	20
42	Enzymatic Preparation and Antioxidant Activities of Protein Hydrolysates from <i>Tenebrio molitor</i> Larvae (Mealworm). <i>Journal of the Korean Society of Food Science and Nutrition</i> , 2017, 46, 435-441.	0.2	20
43	Apomorphine suppresses TNF $\hat{\pm}$ -induced MMP-9 expression and cell invasion through inhibition of ERK/AP-1 signaling pathway in MCF-7 cells. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 903-909.	1.0	19
44	The nuclear orphan receptor NR4A1 regulates $\hat{\Gamma}^21\hat{\Delta}$ integrin expression in pancreatic and colon cancer cells and can be targeted by NR4A1 antagonists. <i>Molecular Carcinogenesis</i> , 2017, 56, 2066-2075.	1.3	18
45	<i>Paeonia lactiflora</i> Enhances the Adhesion of Trophoblast to the Endometrium via Induction of Leukemia Inhibitory Factor Expression. <i>PLoS ONE</i> , 2016, 11, e0148232.	1.1	18
46	Apoptotic Effect of Tolfenamic Acid in KB Human Oral Cancer Cells: Possible Involvement of the p38 MAPK Pathway. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2010, 47, 74-80.	0.6	17
47	Chemopreventive effects of synthetic C-substituted diindolylmethanes originating from cruciferous vegetables in human oral cancer cells. <i>European Journal of Cancer Prevention</i> , 2011, 20, 417-425.	0.6	17
48	<i>Anemone rivularis</i> inhibits pyruvate dehydrogenase kinase activity and tumor growth. <i>Journal of Ethnopharmacology</i> , 2017, 203, 47-54.	2.0	17
49	Water-extracted tubers of <i>Cyperus rotundus</i> L. enhance endometrial receptivity through leukemia inhibitory factor-mediated expression of integrin $\hat{\Gamma}^23$ and $\hat{\Gamma}^25$ . <i>Journal of Ethnopharmacology</i> , 2017, 208, 16-23.	2.0	17
50	Induction of apoptosis by immature fruits of <i>Prunus salicina</i> Lindl. cv. Soldam in MDA-MB-231 human breast cancer cells. <i>International Journal of Food Sciences and Nutrition</i> , 2007, 58, 42-53.	1.3	15
51	Water-extracted branch of <i>Cinnamomum cassia</i> promotes lung cancer cell apoptosis by inhibiting pyruvate dehydrogenase kinase activity. <i>Journal of Pharmacological Sciences</i> , 2018, 138, 146-154.	1.1	15
52	The function of cancer-shed gangliosides in macrophage phenotype: involvement with angiogenesis. <i>Oncotarget</i> , 2017, 8, 4436-4448.	0.8	15
53	The p38 MAPK pathway is critical for 5,5 $\hat{\Delta}^2$ -dibromodiindolylmethane-induced apoptosis to prevent oral squamous carcinoma cells. <i>European Journal of Cancer Prevention</i> , 2010, 19, 153-159.	0.6	13
54	<i>Caesalpinia Asappan</i> induces apoptotic cell death in ectopic endometrial 12Z cells through suppressing pyruvate dehydrogenase kinase 1 expression. <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 357.	0.8	11

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55	Extracellular signal-regulated kinase inhibition is required for methanol extract of <i>Smilax china</i> L.-induced apoptosis through death receptor 5 in human oral mucocarcinoma cells. <i>Molecular Medicine Reports</i> , 2014, 9, 663-668.	1.1	9
56	Hydroquinone stimulates cell invasion through activator protein-1-dependent induction of MMP-9 in HepG2 human hepatoma cells. <i>Food and Chemical Toxicology</i> , 2016, 89, 120-125.	1.8	9
57	Analysis of the Component and Immunological Efficacy of <i>Chamaecyparis obtusa</i> Leaf Extract. <i>Korean Journal of Clinical Laboratory Science</i> , 2018, 50, 37-43.	0.1	8
58	Polyphenol Contents and Antioxidant Activities of Lentil Extracts from Different Cultivars. <i>Journal of the Korean Society of Food Science and Nutrition</i> , 2016, 45, 973-979.	0.2	8
59	Enzymatic Preparation and Antioxidant Activities of Protein Hydrolysates from <i>Allomyrina dichotoma</i> Larvae. <i>Journal of the Korean Society of Food Science and Nutrition</i> , 2019, 48, 410-417.	0.2	8
60	In Vitro and In Vivo Protective Effects of Lentil ( <i>Lens culinaris</i> ) Extract against Oxidative Stress-Induced Hepatotoxicity. <i>Molecules</i> , 2022, 27, 59.	1.7	8
61	<i>Sorbus commixta</i> water extract induces apoptotic cell death via a ROS-dependent pathway. <i>Oncology Letters</i> , 2018, 16, 4193-4200.	0.8	7
62	Effect of <i>Sorbus commixta</i> on the invasion and migration of human hepatocellular carcinoma Hep3B cells. <i>International Journal of Molecular Medicine</i> , 2017, 40, 483-490.	1.8	6
63	Plant Alkaloid Tetrandrine Is a Nuclear Receptor 4A1 Antagonist and Inhibits Panc-1 Cell Growth In Vitro and In Vivo. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5280.	1.8	6
64	The Oral Administration of <i>Sanguisorba officinalis</i> Extract Improves Physical Performance through LDHA Modulation. <i>Molecules</i> , 2021, 26, 1579.	1.7	5
65	Brousschalcone A Is a Novel Inhibitor of the Orphan Nuclear Receptor NR4A1 and Induces Apoptosis in Pancreatic Cancer Cells. <i>Molecules</i> , 2021, 26, 2316.	1.7	5
66	Herbal formulation MIT ameliorates high-fat diet-induced non-alcoholic fatty liver disease. <i>Integrative Medicine Research</i> , 2020, 9, 100422.	0.7	4
67	Anti-Browning Effect of Plum Seed Extracts from Different Cultivars. <i>Journal of the Korean Society of Food Science and Nutrition</i> , 2021, 50, 362-368.	0.2	3
68	Renal Protective Effect of Beluga Lentil Pretreatment for Ischemia-Reperfusion Injury. <i>BioMed Research International</i> , 2021, 2021, 1-10.	0.9	2
69	Development of natural fermented seasoning with <i>Flammulina velutipes</i> powder fortified with $\gamma$ -aminobutyric acid (GABA) by lactic acid fermentation. <i>Korean Journal of Food Preservation</i> , 2017, 24, 237-245.	0.2	2
70	Effects of <i>Aucklandia lappa</i> Decne. Extract on Hair Growth in Depilated CL57BL/6 Mice. <i>Korean Journal of Clinical Laboratory Science</i> , 2021, 53, 88-95.	0.1	1
71	Antiobesity and Hepatoprotective Effects of Protein Hydrolysates Derived from <i>Protaetia brevitarsis</i> in an Obese Mouse Model. <i>BioMed Research International</i> , 2022, 2022, 1-11.	0.9	1
72	The Effect of Calcium Supplementation on Soy Sauce Seasoning and Cooking Meat. <i>Journal of the Korean Society of Food Science and Nutrition</i> , 2013, 42, 969-974.	0.2	0