

# Young Han Lee

## List of Publications by Year in descending order

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96  
papers

2,650  
citations

147726

31  
h-index

214721

47  
g-index

96  
all docs

96  
docs citations

96  
times ranked

3767  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal artefact reduction in gemstone spectral imaging dual-energy CT with and without metal artefact reduction software. <i>European Radiology</i> , 2012, 22, 1331-1340.	2.3	236
2	p21Waf1/Cip1 Expression by Curcumin in U-87MG Human Glioma Cells: Role of Early Growth Response-1 Expression. <i>Cancer Research</i> , 2008, 68, 1369-1377.	0.4	111
3	Bcl-2 overexpression attenuates resveratrol-induced apoptosis in U937 cells by inhibition of caspase-3 activity. <i>Carcinogenesis</i> , 2001, 22, 1633-1639.	1.3	106
4	Elevated content of phospholipase C- $\beta$ 1 in colorectal cancer tissues. <i>Cancer</i> , 1994, 73, 36-41.	2.0	88
5	Metal Artifact Reduction Software Used With Abdominopelvic Dual-Energy CT of Patients With Metal Hip Prostheses: Assessment of Image Quality and Clinical Feasibility. <i>American Journal of Roentgenology</i> , 2014, 203, 788-795.	1.0	85
6	Intrinsic ligament and triangular fibrocartilage complex (TFCC) tears of the wrist: comparison of isovolumetric 3D-THRIVE sequence MR arthrography and conventional MR image at 3 T. <i>Magnetic Resonance Imaging</i> , 2013, 31, 221-226.	1.0	84
7	Deoxypodophyllotoxin induces G2/M cell cycle arrest and apoptosis in HeLa cells. <i>Cancer Letters</i> , 2010, 287, 231-239.	3.2	83
8	TNF $\alpha$ -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.	1.6	67
9	Design, synthesis and inhibitory activities of naringenin derivatives on human colon cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 232-238.	1.0	57
10	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.	3.2	54
11	A new synthetic chalcone derivative, 2-hydroxy-3',5,5'-trimethoxychalcone (DK-139), suppresses the Toll-like receptor 4-mediated inflammatory response through inhibition of the Akt/NF- $\kappa$ B pathway in BV2 microglial cells. <i>Experimental and Molecular Medicine</i> , 2012, 44, 369.	3.2	51
12	Relationship between the structures of flavonoids and their NF- $\kappa$ B-dependent transcriptional activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 6036-6041.	1.0	49
13	Usefulness of slice encoding for metal artifact correction (SEMAC) for reducing metallic artifacts in 3-T MRI. <i>Magnetic Resonance Imaging</i> , 2013, 31, 703-706.	1.0	48
14	Benzochalcones bearing pyrazoline moieties show anti-colorectal cancer activities and selective inhibitory effects on aurora kinases. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 7018-7024.	1.4	48
15	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.	1.4	47
16	Probabilistic evaluation of the material properties of the <i>in vivo</i> subject-specific articular surface using a computational model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 1390-1400.	1.6	47
17	Suppression of Egr-1 transcription through targeting of the serum response factor by oncogenic H-Ras. <i>EMBO Journal</i> , 2006, 25, 1093-1103.	3.5	46
18	2- $\alpha$ -Hydroxyflavanone induces apoptosis through $\text{ER}\alpha$ involving expression of $\beta$ -ax, p21, and NAG-1 in colon cancer cells. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 761-774.	1.5	46

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19	Interaction of Elongation Factor-1 $\alpha$ and Pleckstrin Homology Domain of Phospholipase C $\beta$ 1 with Activating Its Activity. <i>Journal of Biological Chemistry</i> , 2002, 277, 19697-19702.	1.6	43
20	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.	2.4	41
21	Src Homology Domains of Phospholipase C $\beta$ 1 Inhibit Nerve Growth Factor-Induced Differentiation of PC12 Cells. <i>Journal of Neurochemistry</i> , 1998, 71, 178-185.	2.1	40
22	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.	3.2	40
23	Involvement of glycogen synthase kinase-3 $\beta$ in hydrogen peroxide-induced suppression of Tcf/Lef-dependent transcriptional activity. <i>Cellular Signalling</i> , 2006, 18, 601-607.	1.7	38
24	Suppression of P-glycoprotein expression by antipsychotics trifluoperazine in adriamycin-resistant L1210 mouse leukemia cells. <i>European Journal of Pharmaceutical Sciences</i> , 2006, 28, 300-306.	1.9	38
25	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.	1.4	38
26	Computational model-based probabilistic analysis of in vivo material properties for ligament stiffness using the laxity test and computed tomography. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 183.	1.7	38
27	Comparison of Multi-Echo Dixon Methods with Volume Interpolated Breath-Hold Gradient Echo Magnetic Resonance Imaging in Fat-Signal Fraction Quantification of Paravertebral Muscle. <i>Korean Journal of Radiology</i> , 2015, 16, 1086.	1.5	36
28	The UPR inducer DPP23 inhibits the metastatic potential of MDA-MB-231 human breast cancer cells by targeting the Akt $\beta$ -IKK $\alpha$ -NF $\kappa$ B-MMP-9 axis. <i>Scientific Reports</i> , 2016, 6, 34134.	1.6	34
29	5-Methoxyflavanone induces cell cycle arrest at the G2/M phase, apoptosis and autophagy in HCT116 human colon cancer cells. <i>Toxicology and Applied Pharmacology</i> , 2011, 254, 288-298.	1.3	33
30	Transcriptional regulation of the interleukin-11 gene by oncogenic Ras. <i>Carcinogenesis</i> , 2012, 33, 2467-2476.	1.3	33
31	A compound isolated from <i>Schisandra chinensis</i> induces apoptosis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 6054-6057.	1.0	31
32	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.	2.0	31
33	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.	1.8	30
34	A new synthetic 2-hydroxy-2,4,6-trimethoxy-5-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.	3.2	30
35	Immediate early response of the p62 gene encoding a non-proteasomal multiubiquitin chain binding protein. <i>FEBS Letters</i> , 1998, 438, 297-300.	1.3	29
36	Inhibitory effect of the antidepressant imipramine on NF $\kappa$ B-dependent CXCL1 expression in TNF $\alpha$ -exposed astrocytes. <i>International Immunopharmacology</i> , 2012, 12, 547-555.	1.7	28

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37	Isoflavones inhibit the clonogenicity of human colon cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2664-2669.	1.0	28
38	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.	0.8	28
39	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.	1.6	25
40	Flavanones inhibit the clonogenicity of HCT116 colorectal cancer cells. <i>International Journal of Molecular Medicine</i> , 2011, 29, 403-8.	1.8	24
41	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.	1.4	23
42	The synthetic chalcone derivative 2-hydroxy-3,5,5-trimethoxychalcone induces unfolded protein response-mediated apoptosis in A549 lung cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2969-2975.	1.0	22
43	A Tcf/Lef element within the enhancer region of the human NANOG gene plays a role in promoter activation. <i>Biochemical and Biophysical Research Communications</i> , 2011, 410, 637-642.	1.0	21
44	Synthesis and biological evaluation of hesperetin derivatives as agents inducing apoptosis. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 397-407.	1.4	21
45	Rhamnetin production based on the rational design of the poplar O-methyltransferase enzyme and its biological activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 3866-3870.	1.0	20
46	MR Quantification of the Fatty Fraction from T2*-corrected Dixon Fat/Water Separation Volume-interpolated Breathhold Examination (VIBE) in the Assessment of Muscle Atrophy in Rotator Cuff Tears. <i>Academic Radiology</i> , 2015, 22, 909-917.	1.3	20
47	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.	1.5	20
48	Transcriptional and Post-transcriptional Regulation of the PKC $\zeta$ Gene by Etoposide in L1210 Murine Leukemia Cells: Implication of PKC $\zeta$ Autoregulation. <i>Journal of Molecular Biology</i> , 2004, 340, 681-693.	2.0	18
49	Fat-suppressed volume isotropic turbo spin echo acquisition (VISTA) MR imaging in evaluating radial and root tears of the meniscus: Focusing on reader-defined axial reconstruction. <i>European Journal of Radiology</i> , 2013, 82, 2296-2302.	1.2	17
50	A synthetic chalcone derivative, 2-hydroxy-3,5,5-trimethoxychalcone (DK-139), suppresses the TNF $\alpha$ -induced invasive capability of MDA-MB-231 human breast cancer cells by inhibiting NF- $\kappa$ B-mediated GRO $\alpha$ expression. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 203-208.	1.0	17
51	Transcription of the protein kinase C- $\delta$ gene is activated by JNK through c-Jun and ATF2 in response to the anticancer agent doxorubicin. <i>Experimental and Molecular Medicine</i> , 2008, 40, 699.	3.2	16
52	Infrapatellar plica of the knee: Revisited with MR arthrographies undertaken in the knee flexion position mimicking operative arthroscopic posture. <i>European Journal of Radiology</i> , 2012, 81, 2783-2787.	1.2	16
53	Feasibility of fat-saturated T2-weighted magnetic resonance imaging with slice encoding for metal artifact correction (SEMAC) at 3T. <i>Magnetic Resonance Imaging</i> , 2014, 32, 1001-1005.	1.0	16
54	2-Hydroxy-3,4-naphthochalcone (2H-NC) inhibits TNF $\alpha$ -induced tumor invasion through the downregulation of NF- $\kappa$ B-mediated MMP-9 gene expression. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 128-132.	1.0	15

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55	Colorectal anticancer activities of polymethoxylated 3-naphthyl-5-phenylpyrazoline-carbothioamides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 4301-4309.	1.0	15
56	Clinical value of fat-suppressed 3D volume isotropic spin-echo (VISTA) sequence compared to 2D sequence in evaluating internal structures of the knee. <i>Acta Radiologica</i> , 2016, 57, 66-73.	0.5	15
57	Inhibition of the EGF-induced activation of phospholipase C- $\beta$ 1 by a single chain antibody fragment. <i>Oncogene</i> , 2001, 20, 7954-7964.	2.6	14
58	Fat-suppressed MR Imaging of the Spine for Metal Artifact Reduction at 3T: Comparison of STIR and Slice Encoding for Metal Artifact Correction Fat-suppressed T <sub>2</sub> -weighted Images. <i>Magnetic Resonance in Medical Sciences</i> , 2016, 15, 371-378.	1.1	14
59	Spectral parametric segmentation of contrast-enhanced dual-energy CT to detect bone metastasis: feasibility sensitivity study using whole-body bone scintigraphy. <i>Acta Radiologica</i> , 2015, 56, 458-464.	0.5	13
60	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.	1.7	12
61	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.	1.1	12
62	Anticancer activities of cyclohexenone derivatives. <i>Applied Biological Chemistry</i> , 2020, 63, .	0.7	12
63	Transformation of rat fibroblasts by phospholipase C- $\beta$ 1 overexpression is accompanied by tyrosine dephosphorylation of paxillin. <i>FEBS Letters</i> , 1999, 460, 161-165.	1.3	11
64	Probabilistic Approach for Determining the Material Properties of Meniscal Attachments <i>In Vivo</i> Using Magnetic Resonance Imaging and a Finite Element Model. <i>Journal of Computational Biology</i> , 2015, 22, 1097-1107.	0.8	11
65	Negative regulatory role of overexpression of PLC $\beta$ 1 in the expression of early growth response 1 gene in rat 3Y1 fibroblasts. <i>FASEB Journal</i> , 2002, 16, 1504-1514.	0.2	10
66	Validation of a computational knee joint model using an alignment method for the knee laxity test and computed tomography. <i>Bio-Medical Materials and Engineering</i> , 2017, 28, 417-429.	0.4	10
67	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.	1.8	10
68	Magnetic resonance visualization of surgical classification of rotator cuff tear: comparison with three-dimensional shoulder magnetic resonance arthrography at 3.0 T. <i>Clinical Imaging</i> , 2014, 38, 858-863.	0.8	9
69	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.	0.9	9
70	Relationships between the structures of flavanone derivatives and their effects in enhancing Early growth response-1 gene expression. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 2116-2120.	1.0	8
71	Detection and Correction of Laterality Errors in Radiology Reports. <i>Journal of Digital Imaging</i> , 2015, 28, 412-416.	1.6	8
72	Structure-activity relationships of polyphenols inhibiting lipopolysaccharide-induced NF- $\kappa$ B activation. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2012, 55, 669-675.	0.9	7

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73	Dual-Energy Computed Tomography Arthrography of the Shoulder Joint Using Virtual Monochromatic Spectral Imaging: Optimal Dose of Contrast Agent and Monochromatic Energy Level. <i>Korean Journal of Radiology</i> , 2014, 15, 746.	1.5	7
74	Flavones with inhibitory effects on glycogen synthase kinase 3 $\beta$ . <i>Applied Biological Chemistry</i> , 2017, 60, 227-232.	0.7	7
75	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.	2.0	7
76	Three-Dimensional Fast Spin-Echo Imaging without Fat Suppression of the Knee: Diagnostic Accuracy Comparison to Fat-Suppressed Imaging on 1.5T MRI. <i>Yonsei Medical Journal</i> , 2017, 58, 1186.	0.9	6
77	Design, synthesis, and evaluation of 4-chromenone derivatives combined with N-acylhydrazone for aurora kinase A inhibitor. <i>Applied Biological Chemistry</i> , 2021, 64, .	0.7	6
78	Phospholipase C $\beta$ 1 stimulates transcriptional activation of the matrix metalloproteinase-3 gene via the protein kinase C/Raf/ERK cascade. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 611-616.	1.0	5
79	Efficient radiologic reading environment by using an open-source macro program as connection software. <i>European Journal of Radiology</i> , 2012, 81, 100-103.	1.2	5
80	Simple and Efficient Method for Region of Interest Value Extraction from Picture Archiving and Communication System Viewer with Optical Character Recognition Software and Macro Program. <i>Academic Radiology</i> , 2015, 22, 113-116.	1.3	5
81	Biological evaluation of the diterpenes from <i>Croton macrostachyus</i> . <i>Applied Biological Chemistry</i> , 2017, 60, 615-621.	0.7	5
82	Single Crystal X-Ray Structure for the Disordered Two Independent Molecules of Novel Isoflavone: Synthesis, Hirshfeld Surface Analysis, Inhibition and Docking Studies on IKK $\beta$ of 3-(2,3-dihydrobenzo[b][1,4]dioxin-6-yl)-6,7-dimethoxy-4H-chromen-4-one. <i>Crystals</i> , 2020, 10, 911.	1.0	5
83	Quantitative Computed Tomography (QCT) as a Radiology Reporting Tool by Using Optical Character Recognition (OCR) and Macro Program. <i>Journal of Digital Imaging</i> , 2012, 25, 815-818.	1.6	4
84	Investigation of 2-hydroxy-4-methoxy-2 $\alpha$ ,3 $\alpha$ -benzochalcone binding to tubulin by using NMR and in silico docking. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2014, 57, 693-698.	0.9	4
85	A novel hydroxymethoxynaphthochalcone induces apoptosis through the p53-dependent caspase-mediated pathway in HCT116 human colon cancer cells. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2014, 57, 413-418.	0.9	4
86	The chalcone derivative HymnPro generates reactive oxygen species through depletion of intracellular glutathione. <i>Applied Biological Chemistry</i> , 2016, 59, 391-396.	0.7	4
87	Isoflavones as modulators of adenosine monophosphate-activated protein kinase. <i>Applied Biological Chemistry</i> , 2016, 59, 217-225.	0.7	4
88	A Novel Synthetic Compound (E)-5-((4-oxo-4H-chromen-3-yl)methyleneamino)-1-phenyl-1H-pyrazole-4-carbonitrile Inhibits TNF $\alpha$ -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.	1.8	4
89	Accelerated metallic artifact reduction imaging using spectral bin modulation of multiacquisition variable-resonance image combination selective imaging. <i>Magnetic Resonance Imaging</i> , 2020, 72, 19-24.	1.0	4
90	Point Mutations in the Split PLC- $\beta$ 1 PH Domain Modulate Phosphoinositide Binding. <i>BMB Reports</i> , 2004, 37, 720-725.	1.1	4

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91	Comparison of T2 <sup>*</sup> - mapping between regular echo time and ultrashort echo time with 3D cones at 3 tesla for knee meniscus. <i>Medicine (United States)</i> , 2018, 97, e13443.	0.4	3
92	Development of <sup>1</sup> H- <sup>31</sup> P Animal RF Coil for pH Measurement Using a Clinical MR Scanner. <i>Journal of the Korean Society of Magnetic Resonance in Medicine</i> , 2014, 18, 52.	0.1	2
93	Relation between structures of naphthalenylchalcone derivatives and their cytotoxic effects on HCT116 human colon cancer cells. <i>Applied Biological Chemistry</i> , 2018, 61, 267-272.	0.7	2
94	Clonogenic long-term survival assay of HCT 116 colorectal cancer cells after treatment with the synthesized diphenyl imidazoline derivatives. <i>Applied Biological Chemistry</i> , 2018, 61, 303-312.	0.7	2
95	MR thermometry analysis program for laser- or high-intensity focused ultrasound (HIFU)-induced heating at a clinical MR scanner. <i>Journal of the Korean Physical Society</i> , 2014, 65, 2126-2131.	0.3	0
96	A Benzochalcone Derivative, ( <i>E</i> )-1-(2-hydroxy-6-methoxyphenyl)-3-(naphthalen-2-yl)prop-2-en-1-one (DK-512), Inhibits Tumor Invasion through Inhibition of the TNF $\alpha$ -Induced NF- $\kappa$ B/MMP-9 Axis in MDA-MB-231 Breast Cancer Cells. <i>Journal of Chemistry</i> , 2016, 2016, 1-8.	0.9	0