

Ho Jeong Kwon

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

6,372
citations

201385

27
h-index

74018

75
g-index

114
all docs

114
docs citations

114
times ranked

14515
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
2	Activation of mitochondrial TUFM ameliorates metabolic dysregulation through coordinating autophagy induction. <i>Communications Biology</i> , 2021, 4, 1.	2.0	913
3	Irreversible Inhibition of CD13/Aminopeptidase N by the Antiangiogenic Agent Curcumin. <i>Chemistry and Biology</i> , 2003, 10, 695-704.	6.2	156
4	A novel autophagy enhancer as a therapeutic agent against metabolic syndrome and diabetes. <i>Nature Communications</i> , 2018, 9, 1438.	5.8	115
5	Terpestacin Inhibits Tumor Angiogenesis by Targeting UQCRB of Mitochondrial Complex III and Suppressing Hypoxia-induced Reactive Oxygen Species Production and Cellular Oxygen Sensing. <i>Journal of Biological Chemistry</i> , 2010, 285, 11584-11595.	1.6	101
6	A New Curcumin Derivative, HBC, Interferes with the Cell Cycle Progression of Colon Cancer Cells via Antagonization of the Ca ²⁺ /Calmodulin Function. <i>Chemistry and Biology</i> , 2004, 11, 1455-1463.	6.2	100
7	Inhibition of histone deacetylase1 induces autophagy. <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 1179-1183.	1.0	88
8	Water Extract of Korean Red Ginseng Stimulates Angiogenesis by Activating the PI3K/Akt-Dependent ERK1/2 and eNOS Pathways in Human Umbilical Vein Endothelial Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2007, 30, 1674-1679.	0.6	80
9	The protective effect of hispidin against hydrogen peroxide-induced apoptosis in H9c2 cardiomyoblast cells through Akt/GSK-3 β and ERK1/2 signaling pathway. <i>Experimental Cell Research</i> , 2014, 327, 264-275.	1.2	56
10	Pharmacological blockade of cholesterol trafficking by cepharanthine in endothelial cells suppresses angiogenesis and tumor growth. <i>Cancer Letters</i> , 2017, 409, 91-103.	3.2	50
11	Target deconvolution of bioactive small molecules: the heart of chemical biology and drug discovery. <i>Archives of Pharmacol Research</i> , 2015, 38, 1627-1641.	2.7	45
12	Aminopeptidase N/CD13 induces angiogenesis through interaction with a pro-angiogenic protein, galectin-3. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 336-341.	1.0	43
13	FK506, an Immunosuppressive Drug, Induces Autophagy by Binding to the V-ATPase Catalytic Subunit A in Neuronal Cells. <i>Journal of Proteome Research</i> , 2017, 16, 55-64.	1.8	41
14	Antidepressant drug sertraline modulates AMPK-MTOR signaling-mediated autophagy via targeting mitochondrial VDAC1 protein. <i>Autophagy</i> , 2021, 17, 2783-2799.	4.3	40
15	Eupatilin rescues ciliary transition zone defects to ameliorate ciliopathy-related phenotypes. <i>Journal of Clinical Investigation</i> , 2018, 128, 3642-3648.	3.9	40
16	Convallatoxin, a Dual Inducer of Autophagy and Apoptosis, Inhibits Angiogenesis In Vitro and In Vivo. <i>PLoS ONE</i> , 2014, 9, e91094.	1.1	39
17	NNC 55-0396, a T-type Ca ²⁺ channel inhibitor, inhibits angiogenesis via suppression of hypoxia-inducible factor-1 α signal transduction. <i>Journal of Molecular Medicine</i> , 2015, 93, 499-509.	1.7	39
18	Homoisoflavanone inhibits retinal neovascularization through cell cycle arrest with decrease of cdc2 expression. <i>Biochemical and Biophysical Research Communications</i> , 2007, 362, 848-852.	1.0	38

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19	Anti-angiogenic Activity of Terpestacin, a Bicyclo Sesterterpene from <i>Embellisia chlamydospora</i> . <i>Journal of Antibiotics</i> , 2003, 56, 492-496.	1.0	36
20	Identification of a resveratrol tetramer as a potent inhibitor of hepatitis C virus helicase. <i>British Journal of Pharmacology</i> , 2016, 173, 191-211.	2.7	35
21	Suppression of morphological transformation by radicicol is accompanied by enhanced gelsolin expression. <i>Oncogene</i> , 1997, 15, 2625-2631.	2.6	34
22	A Novel Ca ²⁺ /Calmodulin Antagonist HBC Inhibits Angiogenesis and Down-regulates Hypoxia-inducible Factor. <i>Journal of Biological Chemistry</i> , 2010, 285, 25867-25874.	1.6	34
23	Curcumin and <i>Curcuma longa</i> L. extract ameliorate lipid accumulation through the regulation of the endoplasmic reticulum redox and ER stress. <i>Scientific Reports</i> , 2017, 7, 6513.	1.6	33
24	Clinical protein science in translational medicine targeting malignant melanoma. <i>Cell Biology and Toxicology</i> , 2019, 35, 293-332.	2.4	33
25	Identification and validation of bioactive small molecule target through phenotypic screening. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 1922-1928.	1.4	32
26	A mutation in the mitochondrial protein UQCRB promotes angiogenesis through the generation of mitochondrial reactive oxygen species. <i>Biochemical and Biophysical Research Communications</i> , 2014, 455, 290-297.	1.0	30
27	Antidepressant indatraline induces autophagy and inhibits restenosis via suppression of mTOR/S6 kinase signaling pathway. <i>Scientific Reports</i> , 2016, 6, 34655.	1.6	29
28	Design, synthesis, and biological evaluation of novel pyrrolo[1,2-a]pyrazine derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1350-1356.	1.0	29
29	A natural small molecule voacangine inhibits angiogenesis both in vitro and in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 330-334.	1.0	27
30	Mitochondrial UQCRB regulates VEGFR2 signaling in endothelial cells. <i>Journal of Molecular Medicine</i> , 2013, 91, 1117-1128.	1.7	25
31	Functional inhibition of UQCRB suppresses angiogenesis in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2013, 433, 396-400.	1.0	25
32	HIF-1 α suppressing small molecule, LW6, inhibits cancer cell growth by binding to calcineurin b homologous protein 1. <i>Biochemical and Biophysical Research Communications</i> , 2015, 458, 14-20.	1.0	25
33	Mitochondrial UQCRB as a new molecular prognostic biomarker of human colorectal cancer. <i>Experimental and Molecular Medicine</i> , 2017, 49, e391-e391.	3.2	25
34	Identification of a novel small molecule targeting UQCRB of mitochondrial complex III and its anti-angiogenic activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 1052-1056.	1.0	23
35	Antiangiogenic Activity of the Lipophilic Antimicrobial Peptides from an Endophytic Bacterial Strain Isolated from Red Pepper Leaf. <i>Molecules and Cells</i> , 2015, 38, 273-278.	1.0	23
36	Drug compound characterization by mass spectrometry imaging in cancer tissue. <i>Archives of Pharmacal Research</i> , 2015, 38, 1718-1727.	2.7	22

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37	Astemizole Inhibits mTOR Signaling and Angiogenesis by Blocking Cholesterol Trafficking. <i>International Journal of Biological Sciences</i> , 2018, 14, 1175-1185.	2.6	22
38	Reverse Chemical Proteomics Identifies an Unanticipated Human Target of the Antimalarial Artesunate. <i>ACS Chemical Biology</i> , 2019, 14, 636-643.	1.6	22
39	Anti-tumor activity of N-hydroxy-7-(2-naphthylthio) heptanamide, a novel histone deacetylase inhibitor. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 233-238.	1.0	21
40	Identification and biological activities of a new antiangiogenic small molecule that suppresses mitochondrial reactive oxygen species. <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 541-545.	1.0	21
41	Matairesinol inhibits angiogenesis via suppression of mitochondrial reactive oxygen species. <i>Biochemical and Biophysical Research Communications</i> , 2012, 421, 76-80.	1.0	21
42	Discovery of novel drug targets and their functions using phenotypic screening of natural products. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 221-231.	1.4	21
43	Cell-permeable mitochondrial ubiquinol- <i>cytochrome c</i> reductase binding protein induces angiogenesis in vitro and in vivo. <i>Cancer Letters</i> , 2015, 366, 52-60.	3.2	20
44	Tricin, 4,5,7-trihydroxy-3,5-dimethoxyflavone, exhibits potent antiangiogenic activity in vitro. <i>International Journal of Oncology</i> , 2016, 49, 1497-1504.	1.4	20
45	The Human Melanoma Proteome Atlas—Complementing the melanoma transcriptome. <i>Clinical and Translational Medicine</i> , 2021, 11, e451.	1.7	20
46	Development of a Novel Class of Mitochondrial Ubiquinol- <i>Cytochrome c</i> Reductase Binding Protein (UQCRB) Modulators as Promising Antiangiogenic Leads. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7990-7998.	2.9	19
47	Acid ceramidase, an emerging target for anti-cancer and anti-angiogenesis. <i>Archives of Pharmacal Research</i> , 2019, 42, 232-243.	2.7	18
48	Profiling the Protein Targets of Unmodified Bio-Active Molecules with Drug Affinity Responsive Target Stability and Liquid Chromatography/Tandem Mass Spectrometry. <i>Proteomics</i> , 2020, 20, e1900325.	1.3	18
49	Discovery of New Small Molecules and Targets Towards Angiogenesis Via Chemical Genomics Approach. <i>Current Drug Targets</i> , 2006, 7, 397-405.	1.0	17
50	Potent inhibition of in vivo angiogenesis and tumor growth by a novel cyclooxygenase-2 inhibitor, enic acanthoic acid. <i>Cancer Science</i> , 2007, 98, 1943-1948.	1.7	17
51	Purpurin inhibits adipocyte-derived leucine aminopeptidase and angiogenesis in a zebrafish model. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 561-567.	1.0	17
52	Hsa-miR-10a-5p downregulation in mutant UQCRB-expressing cells promotes the cholesterol biosynthesis pathway. <i>Scientific Reports</i> , 2018, 8, 12407.	1.6	17
53	Autophagonizer, a novel synthetic small molecule, induces autophagic cell death. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 849-854.	1.0	16
54	Exploring the role of mitochondrial UQCRB in angiogenesis using small molecules. <i>Molecular BioSystems</i> , 2013, 9, 930.	2.9	16

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55	The Hidden Story of Heterogeneous B-raf V600E Mutation Quantitative Protein Expression in Metastatic Melanoma Association with Clinical Outcome and Tumor Phenotypes. <i>Cancers</i> , 2019, 11, 1981.	1.7	16
56	A Guanidine-Based Synthetic Compound Suppresses Angiogenesis via Inhibition of Acid Ceramidase. <i>ACS Chemical Biology</i> , 2019, 14, 11-19.	1.6	15
57	Hydrazinobenzoylcurcumin inhibits androgen receptor activity and growth of castration-resistant prostate cancer in mice. <i>Oncotarget</i> , 2015, 6, 6136-6150.	0.8	15
58	NBBA, a synthetic small molecule, inhibits TNF- α -induced angiogenesis by suppressing the NF- κ B signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1500-1505.	1.0	14
59	The Small Molecule (-)- β -Methylsynephrine Binds to Nucleoporin 153 kDa and Inhibits Angiogenesis. <i>International Journal of Biological Sciences</i> , 2015, 11, 1088-1099.	2.6	14
60	Downregulation of mitochondrial UQCRB inhibits cancer stem cell-like properties in glioblastoma. <i>International Journal of Oncology</i> , 2018, 52, 241-251.	1.4	14
61	The human melanoma proteome atlas Defining the molecular pathology. <i>Clinical and Translational Medicine</i> , 2021, 11, e473.	1.7	14
62	Antiangiogenic activity of herboxidiene via downregulation of vascular endothelial growth factor receptor-2 and hypoxia-inducible factor-1 α . <i>Archives of Pharmacal Research</i> , 2015, 38, 1728-1735.	2.7	13
63	Control of autophagy with small molecules. <i>Archives of Pharmacal Research</i> , 2010, 33, 1881-1889.	2.7	12
64	Daptomycin, a last-resort antibiotic, binds ribosomal protein S19 in humans. <i>Proteome Science</i> , 2016, 15, 16.	0.7	12
65	Potential anticancer activity of N-hydroxy-2-naphthylthio heptanamide (HNHA), a histone deacetylase inhibitor, against breast cancer both <i>in vitro</i> and <i>in vivo</i> . <i>Cancer Science</i> , 2011, 102, 343-350.	1.7	11
66	Identification of EBP50 as a Specific Biomarker for Carcinogens Via the Analysis of Mouse Lymphoma Cellular Proteome. <i>Molecules and Cells</i> , 2012, 33, 309-316.	1.0	11
67	The effect of indatraline on angiogenesis suppression through HIF-1 α -mediated VEGF inhibition. <i>Biochemical and Biophysical Research Communications</i> , 2017, 485, 349-354.	1.0	11
68	Targeting Autophagy In Disease: Recent Advances In Drug Discovery. <i>Expert Opinion on Drug Discovery</i> , 2020, 15, 1045-1063.	2.5	11
69	Identification and Validation of VEGFR2 Kinase as a Target of Voacangine by a Systematic Combination of DARTS and MSI. <i>Biomolecules</i> , 2020, 10, 508.	1.8	11
70	Extract of high hydrostatic pressure-treated danshen (<i>Salvia miltiorrhiza</i>) ameliorates atherosclerosis via autophagy induction. <i>BMB Reports</i> , 2020, 53, 652-657.	1.1	11
71	Improved production of clavulanic acid by reverse engineering and overexpression of the regulatory genes in an industrial <i>Streptomyces clavuligerus</i> strain. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 1205-1215.	1.4	10
72	MIR-4435 is an UQCRB-related circulating miRNA in human colorectal cancer. <i>Scientific Reports</i> , 2020, 10, 2833.	1.6	10

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73	Enhanced production of clavulanic acid by improving glycerol utilization using reporter-guided mutagenesis of an industrial <i>Streptomyces clavuligerus</i> strain. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, 48, .	1.4	10
74	A non-immunosuppressive FK506 analogue with neuroregenerative activity produced from a genetically engineered <i>Streptomyces</i> strain. <i>RSC Advances</i> , 2015, 5, 6823-6828.	1.7	9
75	Inhibition of 5-lipoxygenase suppresses vascular endothelial growth factor-induced angiogenesis in endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 1117-1122.	1.0	9
76	Approaches for discovering novel bioactive small molecules targeting autophagy. <i>Expert Opinion on Drug Discovery</i> , 2017, 12, 909-923.	2.5	9
77	Novel functional proteins coded by the human genome discovered in metastases of melanoma patients. <i>Cell Biology and Toxicology</i> , 2020, 36, 261-272.	2.4	9
78	Activation of Ca ²⁺ -AMPK α -mediated autophagy by ginsenoside Rg3 attenuates cellular senescence in human dermal fibroblasts. <i>Clinical and Translational Medicine</i> , 2021, 11, e521.	1.7	9
79	Embellistatin, a microtubule polymerization inhibitor, inhibits angiogenesis both in vitro and in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 376-380.	1.0	8
80	Identification and validation of calmodulin as a binding protein of an anti-proliferative small molecule 3,4-dihydroisoquinolinium salt. <i>Proteomics - Clinical Applications</i> , 2009, 3, 423-432.	0.8	8
81	Biobank integration of large-scale clinical and histopathology melanoma studies within the European Cancer Moonshot Lund Center. <i>Clinical and Translational Medicine</i> , 2018, 7, 28.	1.7	8
82	Chemical proteomics, an integrated research engine for exploring drug-target-phenotype interactions. <i>Proteome Science</i> , 2018, 16, 1.	0.7	7
83	Proteomic analyses reveal that ginsenoside Rg3(S) partially reverses cellular senescence in human dermal fibroblasts by inducing peroxiredoxin. <i>Journal of Ginseng Research</i> , 2020, 44, 50-57.	3.0	7
84	Proteomic analysis enables distinction of early-versus advanced-stage lung adenocarcinomas. <i>Clinical and Translational Medicine</i> , 2020, 10, e106.	1.7	7
85	Autophagic Inhibition via Lysosomal Integrity Dysfunction Leads to Antitumor Activity in Glioma Treatment. <i>Cancers</i> , 2020, 12, 543.	1.7	7
86	A new anti-angiogenic small molecule, G0811, inhibits angiogenesis via targeting hypoxia inducible factor (HIF)-1 α signal transduction. <i>Biochemical and Biophysical Research Communications</i> , 2013, 441, 399-404.	1.0	6
87	A biobanking turning-point in the use of formalin-fixed, paraffin tumor blocks to unveil kinase signaling in melanoma. <i>Clinical and Translational Medicine</i> , 2021, 11, e466.	1.7	6
88	Two cyclic hexapeptides from <i>Penicillium</i> sp. FN070315 with antiangiogenic activities. <i>PLoS ONE</i> , 2017, 12, e0184339.	1.1	6
89	Cloning, expression, and biochemical characterization of a new histone deacetylase-like protein from <i>Thermus caldophilus</i> GK24. <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 55-61.	1.0	5
90	Identification of a Novel Sulfonamide Non-Nucleoside Reverse Transcriptase Inhibitor by a Phenotypic HIV-1 Full Replication Assay. <i>PLoS ONE</i> , 2013, 8, e68767.	1.1	5

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91	Development of Turmeric Extract Nanoemulsions and Their Incorporation into Canned Ham. Korean Journal for Food Science of Animal Resources, 2017, 37, 889-897.	1.5	5
92	Development of Novel VEGFR2 Inhibitors Originating from Natural Product Analogues with Antiangiogenic Impact. Journal of Medicinal Chemistry, 2021, 64, 15858-15867.	2.9	5
93	Building the basis for proteomics in personalized medicine for targeted treatment. Clinical and Translational Medicine, 2016, 5, 19.	1.7	4
94	DNA Polymerase Alpha Subunit B Is a Binding Protein for Erlotinib Resistance in Non-Small Cell Lung Cancer. Cancers, 2020, 12, 2613.	1.7	4
95	Moesin Is a Biomarker for the Assessment of Genotoxic Carcinogens in Mouse Lymphoma. Molecules and Cells, 2012, 33, 203-210.	1.0	3
96	Functional inhibition of fatty acid binding protein 4 ameliorates impaired ciliogenesis in GCs. Biochemical and Biophysical Research Communications, 2021, 539, 28-33.	1.0	3
97	A natural small molecule induces MAPT clearance via mTOR-independent autophagy. Biochemical and Biophysical Research Communications, 2021, 568, 30-36.	1.0	3
98	A histone demethylase inhibitor, methylstat, inhibits angiogenesis in vitro and in vivo. RSC Advances, 2014, 4, 38230-38233.	1.7	2
99	Homoharringtonine Induces Apoptosis in Human Colorectal Carcinoma HCT116 Cells Via Downregulation of Wnt/ β -Catenin Signaling Cascade. Bulletin of the Korean Chemical Society, 2019, 40, 196-199.	1.0	2
100	Protein Expression in Metastatic Melanoma and the Link to Disease Presentation in a Range of Tumor Phenotypes. Cancers, 2020, 12, 767.	1.7	2
101	Mitochondrial ROS Produced in Human Colon Carcinoma Associated with Cell Survival via Autophagy. Cancers, 2022, 14, 1883.	1.7	2
102	Functional analysis of a histone deacetylase-like protein of Thermus caldophilus GK24 in mammalian cell. Biochemical and Biophysical Research Communications, 2007, 362, 995-1000.	1.0	1
103	Asia-Oceania HUPO: Past, Present, and Future. Molecular and Cellular Proteomics, 2021, 20, 100048.	2.5	1
104	Daptomycin suppresses tumor migration and angiogenesis via binding to ribosomal protein S19 in humans. Journal of Antibiotics, 2021, 74, 726-733.	1.0	1
105	Matrix-assisted laser desorption ionization mass spectrometry imaging of erlotinib reveals a limited tumor tissue distribution in a non-small cell lung cancer mouse xenograft model. Clinical and Translational Medicine, 2021, 11, e481.	1.7	1
106	Use of the Phage Display Technique to Identify the Target Protein. , 0, , 81-90.		0
107	Preface to this special issue on chemical biology and drug discovery. Archives of Pharmacal Research, 2015, 38, 1561-1562.	2.7	0
108	Uncovering the biological function of UQCRB, a terpestacin-binding mitochondrial protein, implies its pro-angiogenic activity in vitro and in vivo. FASEB Journal, 2012, 26, 565.13.	0.2	0

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109	Upregulation of SNAP25 by HDAC inhibition ameliorates Niemann-Pick Type C disease phenotypes via autophagy induction. <i>Clinical and Translational Medicine</i> , 2022, 12, e776.	1.7	0