

Gun-Do Kim

List of Publications by Year in descending order

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83
papers

2,222
citations

257450

24
h-index

243625

44
g-index

84
all docs

84
docs citations

84
times ranked

3386
citing authors

#	ARTICLE	IF	CITATIONS
1	Eco-friendly approach for nanoparticles synthesis and mechanism behind antibacterial activity of silver and anticancer activity of gold nanoparticles. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 79-92.	3.6	263
2	Marine microorganisms for synthesis of metallic nanoparticles and their biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 487-495.	5.0	116
3	Antibacterial potential of silver nanoparticles synthesized using <i>Madhuca longifolia</i> flower extract as a green resource. <i>Microbial Pathogenesis</i> , 2018, 121, 184-189.	2.9	115
4	Extracellular synthesis of gold nanoparticles using the marine bacterium <i>Paracoccus haeundaensis</i> BC74171T and evaluation of their antioxidant activity and antiproliferative effect on normal and cancer cell lines. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110455.	5.0	103
5	The regulatory effect of veratric acid on NO production in LPS-stimulated RAW264.7 macrophage cells. <i>Cellular Immunology</i> , 2012, 280, 164-170.	3.0	79
6	<i>Coptis chinensis</i> alkaloids exert anti-adipogenic activity on 3T3-L1 adipocytes by downregulating C/EBP- β and PPAR- β . <i>FÄ-toterapÄ-Äc</i> , 2014, 98, 199-208.	2.2	79
7	Neferine isolated from <i>Nelumbo nucifera</i> enhances anti-cancer activities in Hep3B cells: Molecular mechanisms of cell cycle arrest, ER stress induced apoptosis and anti-angiogenic response. <i>Phytomedicine</i> , 2013, 20, 1013-1022.	5.3	77
8	Hydrothermal degradation of seaweed polysaccharide: Characterization and biological activities. <i>Food Chemistry</i> , 2018, 268, 179-187.	8.2	74
9	Subcritical water extraction of fucoïdan from <i>Saccharina japonica</i> : optimization, characterization and biological studies. <i>Journal of Applied Phycology</i> , 2018, 30, 579-590.	2.8	67
10	Autophagy and Inflammatory Response in the Tumor Microenvironment. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2016.	4.1	60
11	<i>Sasa borealis</i> leaf extract-mediated green synthesis of silver-“silver chloride nanoparticles and their antibacterial and anticancer activities. <i>New Journal of Chemistry</i> , 2017, 41, 1363-1371.	2.8	54
12	Anti-Inflammatory Activity of Î²-thymosin Peptide Derived from Pacific Oyster (<i>Crassostrea gigas</i>) on NO and PGE2 Production by Down-Regulating NF-Î±B in LPS-Induced RAW264.7 Macrophage Cells. <i>Marine Drugs</i> , 2019, 17, 129.	4.6	52
13	Eco-friendly Synthesis of Gold Nanoparticles and Evaluation of Their Cytotoxic Activity on Cancer Cells. <i>Journal of Cluster Science</i> , 2017, 28, 119-132.	3.3	51
14	Biogenic synthesis, characterization of gold nanoparticles using <i>Lonicera japonica</i> and their anticancer activity on HeLa cells. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 51, 83-90.	3.0	49
15	Dieckol, isolated from <i>Ecklonia stolonifera</i> , induces apoptosis in human hepatocellular carcinoma Hep3B cells. <i>Journal of Natural Medicines</i> , 2013, 67, 519-527.	2.3	48
16	Design and synthesis of methoxyphenyl- and coumarin-based chalcone derivatives as anti-inflammatory agents by inhibition of NO production and down-regulation of NF-Î±B in LPS-induced RAW264.7 macrophage cells. <i>Bioorganic Chemistry</i> , 2021, 107, 104630.	4.1	47
17	Anticancer activity of <i>Sasa borealis</i> leaf extract-mediated gold nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 82-88.	2.8	46
18	Near-infrared light-responsive, diselenide containing core-cross-linked micelles prepared by the Diels-Älder click reaction for photocontrollable drug release application. <i>Polymer Chemistry</i> , 2018, 9, 4813-4823.	3.9	36

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19	Multi-doped ZnO Photocatalyst for Solar Induced Degradation of Indigo Carmine Dye and as an Antimicrobial Agent. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1141-1152.	3.7	36
20	Differentially-Expressed Genes Associated with Faster Growth of the Pacific Abalone, <i>Haliotis discus hannai</i> . <i>International Journal of Molecular Sciences</i> , 2015, 16, 27520-27534.	4.1	34
21	Induction of the Endoplasmic Reticulum Stress and Autophagy in Human Lung Carcinoma A549 Cells by Anacardic Acid. <i>Cell Biochemistry and Biophysics</i> , 2014, 68, 369-377.	1.8	30
22	Redox-responsive core cross-linked micelles of poly(ethylene oxide)-poly(furfuryl) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 54, 3741-3750.	2.3	30
23	Green Synthesis of Silver Nanoparticles Using Water Extract from Galls of <i>Rhus Chinensis</i> and Its Antibacterial Activity. <i>Journal of Cluster Science</i> , 2016, 27, 1737-1750.	3.3	29
24	Fucosterol, isolated from <i>Ecklonia stolonifera</i> , inhibits adipogenesis through modulation of FoxO1 pathway in 3T3-L1 adipocytes. <i>Journal of Pharmacy and Pharmacology</i> , 2017, 69, 325-333.	2.4	29
25	Morphological changes of bacterial cells upon exposure of silver-silver chloride nanoparticles synthesized using <i>Agrimonia pilosa</i> . <i>Microbial Pathogenesis</i> , 2018, 116, 84-90.	2.9	23
26	Anti-Inflammatory Effects of <i>Aster incisus</i> through the Inhibition of NF- κ B, MAPK, and Akt Pathways in LPS-Stimulated RAW 264.7 Macrophages. <i>Mediators of Inflammation</i> , 2018, 2018, 1-10.	3.0	23
27	Efficient transient expression and transformation of PEG-mediated gene uptake into mesophyll protoplasts of pepper (<i>Capsicum annuum</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2007, 88, 225-232.	2.3	21
28	Cristazine, a New Cytotoxic Dioxopiperazine Alkaloid from the Mudflat-Sediment-Derived Fungus <i>Chaetomium cristatum</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 59-62.	1.3	21
29	Green and direct functionalization of poly (ethylene glycol) grafted polymers onto single walled carbon nanotubes: Effective nanocarrier for doxorubicin delivery. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 83, 173-180.	5.8	21
30	Anticancer and Immunomodulatory Effects of Polysaccharides. <i>Nutrition and Cancer</i> , 2021, 73, 2219-2231.	2.0	21
31	Veratric acid inhibits iNOS expression through the regulation of PI3K activation and histone acetylation in LPS-stimulated RAW264.7 cells. <i>International Journal of Molecular Medicine</i> , 2015, 35, 202-210.	4.0	20
32	Anti-adipogenic effect of epiberberine is mediated by regulation of the Raf/MEK1/2/ERK1/2 and AMPK \pm /Akt pathways. <i>Archives of Pharmacal Research</i> , 2015, 38, 2153-2162.	6.3	20
33	Antimetastatic Effects of Gambogic Acid are Mediated via the Actin Cytoskeleton and NF- κ B Pathways in SK-HEP-1 Cells. <i>Drug Development Research</i> , 2015, 76, 132-142.	2.9	19
34	In vitro induction of endoplasmic reticulum stress in human cervical adenocarcinoma HeLa cells by fucoidan. <i>International Journal of Biological Macromolecules</i> , 2019, 137, 844-852.	7.5	19
35	Design, synthesis and evaluation of anticancer activity of new pyrazoline derivatives by down-regulation of VEGF: Molecular docking and apoptosis inducing activity. <i>Bioorganic Chemistry</i> , 2022, 118, 105487.	4.1	19
36	Anti-inflammatory potential of peat moss extracts in lipopolysaccharide-stimulated RAW 264.7 macrophages. <i>International Journal of Molecular Medicine</i> , 2014, 34, 1101-1109.	4.0	18

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37	Anti-inflammatory effect of lovastatin is mediated via the modulation of NF- κ B and inhibition of HDAC1 and the PI3K/Akt/mTOR pathway in RAW264.7 macrophages. <i>International Journal of Molecular Medicine</i> , 2017, 41, 1103-1109.	4.0	18
38	Synthesis of zwitterionic redox-responsive nanogels by one-pot amine-thiol-ene reaction for anticancer drug release application. <i>Reactive and Functional Polymers</i> , 2020, 147, 104463.	4.1	18
39	Polyampholyte-grafted single walled carbon nanotubes prepared via a green process for anticancer drug delivery application. <i>Polymer</i> , 2020, 193, 122340.	3.8	18
40	In vitro characterization of bioactive compounds extracted from sea urchin (<i>Stomopneustes</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	8.2	17
41	The Anti-inflammatory Effect of <i>Gnaphalium affine</i> Through Inhibition of NF- κ B and MAPK in Lipopolysaccharide-Stimulated RAW264.7 Cells and Analysis of Its Phytochemical Components. <i>Cell Biochemistry and Biophysics</i> , 2016, 74, 407-417.	1.8	16
42	The Anti-Adipogenic Activity of a New Cultivar, <i>Pleurotus eryngii</i> var. <i>ferulae</i> through Down-Regulation of PPAR and C/EBP in 3T3-L1 Cells. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 1836-1844.	2.1	16
43	Hexane extract from <i>Sargassum serratifolium</i> inhibits the cell proliferation and metastatic ability of human glioblastoma U87MG cells. <i>Oncology Reports</i> , 2015, 34, 2602-2608.	2.6	15
44	Doxycycline hyclate mediated silver-silver chloride nanoparticles and their antibacterial activity. <i>Journal of Nanostructure in Chemistry</i> , 2019, 9, 53-60.	9.1	15
45	Kaempferol-rutinoside suppresses the inflammatory responses in lipopolysaccharide-stimulated RAW264.7 cells via the NF- κ B and MAPK pathways. <i>International Journal of Molecular Medicine</i> , 2019, 44, 2321-2328.	4.0	15
46	Tolhydroquinone, the secondary metabolite of marine algae symbiotic microorganism, inhibits angiogenesis in HUVECs. <i>Biomedicine and Pharmacotherapy</i> , 2015, 70, 129-139.	5.6	14
47	Characterization and in vitro cytotoxicity of phytochemicals from <i>Aspilia africana</i> obtained using green extraction techniques. <i>South African Journal of Botany</i> , 2020, 128, 231-238.	2.5	14
48	M2 Macrophages Mediate the Resistance of Gastric Adenocarcinoma Cells to 5-Fluorouracil through the Expression of Integrin β 3, Focal Adhesion Kinase, and Cofilin. <i>Journal of Immunology Research</i> , 2020, 2020, 1-9.	2.2	14
49	Green extraction of polyphenolic-polysaccharide conjugates from <i>Pseuderanthemum palatiferum</i> (Nees) Radlk.: Chemical profile and anticoagulant activity. <i>International Journal of Biological Macromolecules</i> , 2020, 157, 484-493.	7.5	14
50	<i>Acer okamotoanum</i> Nakai Leaf Extract Inhibits Adipogenesis Via Suppressing Expression of PPAR and C/EBP in 3T3-L1 Cells. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 1645-1653.	2.1	14
51	Biofabrication of gold nanoparticles using <i>Agrimonia pilosa</i> extract and their antioxidant and cytotoxic activity. <i>Green Chemistry Letters and Reviews</i> , 2019, 12, 208-216.	4.7	13
52	Synthesis of silver nanoparticles using aqueous extract of <i>Cuscuta japonica</i> seeds and their antibacterial and antioxidant activities. <i>Inorganic Chemistry Communication</i> , 2021, 134, 109035.	3.9	11
53	Probiotic Treatment Enhances Pre-feeding Larval Development and Early Survival in Zebrafish <i>Danio rerio</i> . <i>Journal of Aquatic Animal Health</i> , 2022, 34, 3-11.	1.4	11
54	Desmethylanthydroicaritin isolated from <i>Sophora flavescens</i> , shows antitumor activities in U87MG cells via inhibiting the proliferation, migration and invasion. <i>Environmental Toxicology and Pharmacology</i> , 2016, 43, 140-148.	4.0	10

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55	Tolhydroquinone from <i>Aspergillus</i> spp. suppress inflammatory mediators via nuclear factor- κ B and mitogen-activated protein kinases pathways in lipopolysaccharide-induced RAW264.7 cells. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 1297-1305.	2.4	8
56	<i>Cyperus amuricus</i> induces G1 arrest and apoptosis through endoplasmic reticulum stress and mitochondrial signaling in human hepatocellular carcinoma Hep3B cells. <i>Journal of Ethnopharmacology</i> , 2017, 208, 157-164.	4.1	8
57	Induction of apoptosis and G1 phase cell cycle arrest by Asterin in AGS gastric adenocarcinoma cells. <i>International Journal of Oncology</i> , 2018, 53, 2300-2308.	3.3	8
58	Extract of <i>Saccharina japonica</i> Induces Apoptosis accompanied by Cell Cycle Arrest and Endoplasmic Reticulum Stress in SK-Hep1 Human Hepatocellular Carcinoma Cells. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 2993-2999.	1.2	8
59	The herbal medicine <i>Cyperus amuricus</i> inhibits proliferation of human hepatocellular carcinoma Hep3B cells by inducing apoptosis and arrest at the G0/G1 cell cycle phase. <i>International Journal of Oncology</i> , 2016, 49, 2046-2054.	3.3	7
60	Cristazine, a novel dioxopiperazine alkaloid, induces apoptosis via the death receptor pathway in A431 cells. <i>Drug Development Research</i> , 2019, 80, 504-512.	2.9	7
61	Development and Validation of Multiplex Polymerase Chain Reaction to Determine Squid Species Based on 16s rRNA Gene. <i>Han'gug Sigpum Wi'saeng Anjeonseong Haghoeji</i> , 2015, 30, 43-50.	0.4	7
62	Pressurized liquid extraction of phenolics from <i>Pseuderanthemum palatiferum</i> (Nees) Radlk. leaves: Optimization, characterization, and biofunctional properties. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 108, 418-428.	5.8	7
63	Induction of Apoptotic Cell Death on Human Cervix Cancer HeLa cells by Extract from <i>Loranthus yadoriki</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2018, 23, 201-207.	2.6	5
64	Anti-inflammatory effects of 6-formyl umbelliferone via the NF- κ B and ERK/MAPK pathway on LPS-stimulated RAW 264.7 cells. <i>International Journal of Molecular Medicine</i> , 2019, 43, 1859-1865.	4.0	5
65	Anticancer and Apoptotic Activity in Cervical Adenocarcinoma HeLa Using Crude Extract of <i>Ganoderma applanatum</i> . <i>Current Issues in Molecular Biology</i> , 2022, 44, 1012-1026.	2.4	5
66	Bactericidal and photocatalytic degradation of methyl orange of silver-silver chloride nanoparticles synthesized using aqueous phyto-extract. <i>Particulate Science and Technology</i> , 0, , 1-8.	2.1	5
67	Modulation of Inflammatory Pathways and Adipogenesis by the Action of Genticic Acid in RAW 264.7 and 3T3-L1 Cell Lines. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 1079-1087.	2.1	4
68	The novel model peptide, α -AL14, regulates angiogenesis by inhibiting VEGFR 2-mediated signaling in HUVECs. <i>International Journal of Oncology</i> , 2016, 49, 1457-1468.	3.3	3
69	Multiple calmodulin genes of the Pacific abalone, <i>Haliotis discus hannai</i> (Mollusca: Vetigastropoda.) <i>TJ ETQq1 1 0.784314 rgBT /Overl</i>	2.2	3
70	Anti-adipogenic Effects of α -AL14 Mediated by Modulation of PI3K/Akt Pathways in 3T3-L1 Cells. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 1913-1922.	1.9	3
71	Molecular Cloning and Co-Expression of Phytoene Synthase Gene from <i>Kocuria gwangalliensis</i> in <i>Escherichia coli</i> . <i>Journal of Microbiology and Biotechnology</i> , 2015, 25, 1801-1809.	2.1	3
72	Differential effects of tetrahydropyridinol derivatives on β -catenin signaling and invasion in human hepatocellular and breast carcinoma cells. <i>International Journal of Molecular Medicine</i> , 2015, 36, 577-587.	4.0	2

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73	Genome Sequences of a Novel Picorna-Like Virus from Pacific Abalone (<i>Haliotis discus hannai</i>) in South Korea. <i>Genome Announcements</i> , 2017, 5, .	0.8	2
74	Complete mitochondrial genome of sea peach <i>Halocynthia aurantium</i> (stolidobranchia: Pyuridae) from Korea. <i>Mitochondrial DNA Part B: Resources</i> , 2021, 6, 1007-1008.	0.4	2
75	<i>Aspilia africana</i> C. D. Adams inhibits the production of lipopolysaccharide-induced inflammatory mediators in murine macrophage RAW264.7 cells by suppressing the NF- κ B and PI3K/Akt pathways. <i>South African Journal of Botany</i> , 2021, 141, 83-89.	2.5	2
76	Gold Nanoparticles: Biogenic Synthesis and Anticancer Application. , 2020, , 199-222.		2
77	Apoptotic Cell Death Induced by ofLBP6A, Lipopolysaccharide Binding Protein Model Peptide, Derived from <i>Paralichthys olivaceus</i> on MKN-28 Cells. <i>Drug Development Research</i> , 2016, 77, 94-102.	2.9	1
78	The complete mitochondrial genome of bobo croaker <i>Pseudotolithus elongatus</i> (Perciformes: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	0.4	1
79	Characterization of the complete mitochondrial genome of longneck croaker <i>Pseudotolithus typus</i> (Perciformes: Sciaenidae). <i>Mitochondrial DNA Part B: Resources</i> , 2020, 5, 1167-1169.	0.4	1
80	Characterization of the complete mitochondrial genome of smallscale blackfish <i>Girella melanichthys</i> (Perciformes: Kyphosidae). <i>Mitochondrial DNA Part B: Resources</i> , 2020, 5, 1707-1708.	0.4	1
81	The complete mitochondrial genome of pitted stingray <i>Bathytoshia brevicaudata</i> (Myliobatiformes: Tj ETQq1 1 0.784314 rgBT /Overl	0.4	0
82	Characterization of the complete mitochondrial genome of demersal flatfish <i>Eopsetta grigorjewi</i> (Pleuronectiformes: Pleuronectidae) from South Korea. <i>Mitochondrial DNA Part B: Resources</i> , 2022, 7, 861-863.	0.4	0
83	Complete mitochondrial genome of marine Petrale sole <i>Eopsetta jordani</i> (Pleuronectiformes: Tj ETQq1 1 0.784314 rgBT /Overl	0.4	0