

Jin-Hyo Kim

List of Publications by Year in descending order

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67
papers

1,668
citations

331670

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67
times ranked

2239
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#	ARTICLE	IF	CITATIONS
1	Mechanism-Based Covalent Neuraminidase Inhibitors with Broad-Spectrum Influenza Antiviral Activity. <i>Science</i> , 2013, 340, 71-75.	12.6	175
2	Neuraminidase inhibitory activities of flavonols isolated from <i>Rhodiola rosea</i> roots and their in vitro anti-influenza viral activities. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 6816-6823.	3.0	173
3	Sulfonamide chalcone as a new class of α -glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 5514-5516.	2.2	136
4	Glycosidase Inhibitory Flavonoids from <i>Sophora flavescens</i> . <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 302-305.	1.4	99
5	Pterocarpan and flavanones from <i>Sophora flavescens</i> displaying potent neuraminidase inhibition. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 6046-6049.	2.2	56
6	LDL-Antioxidant Pterocarpan from Roots of <i>Glycine max</i> (L.) Merr.. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 2057-2063.	5.2	55
7	Identification and characterisation of coumarins from the roots of <i>Angelica dahurica</i> and their inhibitory effects against cholinesterase. <i>Journal of Functional Foods</i> , 2013, 5, 1421-1431.	3.4	53
8	Development of New and Selective <i>Trypanosoma cruzi</i> α -Sialidase Inhibitors from Sulfonamide Chalcones and Their Derivatives. <i>ChemBioChem</i> , 2009, 10, 2475-2479.	2.6	51
9	Comparative assessment of compositional components, antioxidant effects, and lignan extractions from Korean white and black sesame (<i>Sesamum indicum</i> L.) seeds for different crop years. <i>Journal of Functional Foods</i> , 2014, 7, 495-505.	3.4	45
10	Residual perfluorochemicals in the biochar from sewage sludge. <i>Chemosphere</i> , 2015, 134, 435-437.	8.2	45
11	Inhibitory Evaluation of Sulfonamide Chalcones on β -Secretase and Acylcholinesterase. <i>Molecules</i> , 2013, 18, 140-153.	3.8	44
12	Characteristic of neuraminidase inhibitory xanthenes from <i>Cudrania tricuspidata</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 2744-2750.	3.0	43
13	A Vanillin Derivative Causes Mitochondrial Dysfunction and Triggers Oxidative Stress in <i>Cryptococcus neoformans</i> . <i>PLoS ONE</i> , 2014, 9, e89122.	2.5	42
14	Perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) concentrations in the South Korean agricultural environment: A national survey. <i>Journal of Integrative Agriculture</i> , 2017, 16, 1841-1851.	3.5	42
15	Saponarin from barley sprouts inhibits NF- κ B and MAPK on LPS-induced RAW 264.7 cells. <i>Food and Function</i> , 2014, 5, 3005-3013.	4.6	40
16	Per- and Polyfluoroalkyl Substances in the Air Particles of Asia: Levels, Seasonality, and Size-Dependent Distribution. <i>Environmental Science & Technology</i> , 2020, 54, 14182-14191.	10.0	40
17	Thioglycoligase-Based Assembly of Thiodisaccharides: Screening as β -Galactosidase Inhibitors. <i>ChemBioChem</i> , 2007, 8, 1495-1499.	2.6	34
18	Diastereoselective synthesis of syn-aminoalcohols via contributing CH- π interaction: simple synthesis of (β)-bestatin. <i>Tetrahedron Letters</i> , 2003, 44, 5905-5907.	1.4	32

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19	Stereodivergent Syntheses of Anisomycin Derivatives from D-Tyrosine. <i>Journal of Organic Chemistry</i> , 2005, 70, 4082-4087.	3.2	32
20	Long-term Monitoring of Pesticide Residues in Arable Soils in Korea. <i>Nong'yag Gwahag Hoeji</i> , 2013, 17, 283-292.	0.5	29
21	Tuning Mechanism-Based Inactivators of Neuraminidases: Mechanistic and Structural Insights. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3382-3386.	13.8	24
22	Stereodivergent and Regioselective Synthesis of 3,4-cis- and 3,4-trans-Pyrrolidinediols from α -Amino Acids. <i>Organic Letters</i> , 2004, 6, 2273-2276.	4.6	23
23	α -Rhamnosidase inhibitory activities of polyhydroxylated pyrrolidine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4282-4285.	2.2	21
24	Catalytic properties of a mutant β -galactosidase from <i>Xanthomonas manihoti</i> engineered to synthesize galactosyl-thio- β -1,3 and β -1,4-glycosides. <i>FEBS Letters</i> , 2006, 580, 4377-4381.	2.8	20
25	Mangosenone F, A Furanoxanthone from <i>Garcinia mangostana</i> , Induces Reactive Oxygen Species-Mediated Apoptosis in Lung Cancer Cells and Decreases Xenograft Tumor Growth. <i>Phytotherapy Research</i> , 2015, 29, 1753-1760.	5.8	20
26	Environmental and dietary exposure of perfluorooctanoic acid and perfluorooctanesulfonic acid in the Nakdong River, Korea. <i>Environmental Geochemistry and Health</i> , 2021, 43, 347-360.	3.4	18
27	Enzymatic defluorination of fluorinated compounds. <i>Applied Biological Chemistry</i> , 2019, 62, .	1.9	18
28	A comparison of the effectiveness of QuEChERS, FaPEX and a modified QuEChERS method on the determination of organochlorine pesticides in ginseng. <i>PLoS ONE</i> , 2021, 16, e0246108.	2.5	14
29	Benzaldehyde as a new class plant growth regulator on <i>Brassica campestris</i> . <i>Journal of Applied Biological Chemistry</i> , 2016, 59, 159-164.	0.4	14
30	Plant uptake potential of endosulfan from soil by carrot and spinach. <i>Journal of Applied Biological Chemistry</i> , 2017, 60, 339-342.	0.4	14
31	Chlorfenapyr Residue in Sweet Persimmon from Farm to Table. <i>Journal of Food Protection</i> , 2019, 82, 810-814.	1.7	12
32	Endosulfan Plant Uptake Suppression Effect on Char Amendment in Oriental Radish. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	11
33	Investigation of the Bioconcentration Factor of Endosulfan for Rice from Soil. <i>Nong'yag Gwahag Hoeji</i> , 2018, 22, 25-28.	0.5	11
34	A Novel Method for Deprotection of N-9-Phenylfluoren-9-yl Group Using Iodine Catalyst: Simple Synthesis of (2S,3R,4R)-3,4-Dihydroxyproline. <i>Synlett</i> , 1999, 1999, 614-616.	1.8	10
35	Reduction of Tyramine by Addition of <i>Schizandra chinensis</i> Baillon in Cheonggukjang. <i>Journal of Medicinal Food</i> , 2012, 15, 1109-1115.	1.5	10
36	Rapid enzymatic assay of biogenic amines in Doenjang and Gochujang using amine oxidase. <i>Food Science and Biotechnology</i> , 2013, 22, 1131-1136.	2.6	10

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37	Antifungal Effect of <i>Arabidopsis</i> SGT1 Proteins via Mitochondrial Reactive Oxygen Species. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 8340-8347.	5.2	10
38	Effect of soil organic matter content on plant uptake factor of ginseng for endosulfan. <i>Journal of Applied Biological Chemistry</i> , 2020, 63, 401-406.	0.4	10
39	Development of easy and efficient methods for quantitative analysis of ethyl carbamate using GC-MS in various fermented foods. <i>Food Science and Biotechnology</i> , 2013, 22, 599-603.	2.6	9
40	Residual Characteristics of Bistrifluron and Fluopicolide in Korean Cabbage for Establishing Pre-Harvest Residue Limit. <i>Nong'yag Gwahag Hoeji</i> , 2015, 19, 361-369.	0.5	9
41	Phenylephrine, a small molecule, inhibits pectin methylesterases. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 320-325.	2.1	8
42	Comparison of the plant uptake factor of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS) from the three different concentrations of PFOA and PFOS in soil to spinach and Welsh onion. <i>Journal of Applied Biological Chemistry</i> , 2020, 63, 243-248.	0.4	8
43	Quantitative Analysis of Cinnamaldehyde, Cinnamylalcohol and Salicylaldehyde in Commercial Biopesticides Containing Cinnamon Extract Using Gas Chromatography - Flame Ionization Detector. <i>Korean Journal of Environmental Agriculture</i> , 2014, 33, 213-219.	0.4	8
44	Effect of soil organic matter on the plant uptake of perfluorooctanoic acid (PFOA) and perfluorooctanesulphonic acid (PFOS) in lettuce on granular activated carbon-applied soil. <i>Environmental Geochemistry and Health</i> , 2021, 43, 2193-2202.	3.4	7
45	Quantitative analyses of ricinoleic acid and ricinine in <i>Ricinus communis</i> extracts and its biopesticides. <i>Journal of Applied Biological Chemistry</i> , 2016, 59, 165-169.	0.4	7
46	Stability of Matrine and Oxymatrine from the Biopesticide from <i>Sophora flavescens</i> under Aquatic and Soil Environment. <i>Korean Journal of Environmental Agriculture</i> , 2015, 34, 1-5.	0.4	7
47	Residual Dissipation Pattern of Dichlorvos and Etofenprox in Squash under Greenhouse Condition. <i>Nong'yag Gwahag Hoeji</i> , 2021, 25, 31-39.	0.5	6
48	Bioconcentration factor of perfluorochemicals for each aerial part of rice. <i>Journal of Applied Biological Chemistry</i> , 2018, 61, 191-194.	0.4	6
49	Fate of endosulfan in ginseng farm and effect of granular biochar treatment on endosulfan accumulation in ginseng. <i>Environmental Geochemistry and Health</i> , 2022, 44, 3953-3965.	3.4	6
50	Investigation on Biogenic Amines in Plant-based Minor Korean Fermented Foods. <i>Journal of Applied Biological Chemistry</i> , 2013, 56, 113-117.	0.4	5
51	Determination of Dimethyl Disulfide, Diallyl Disulfide, and Diallyl Trisulfide in Biopesticides Containing <i>Allium Sativum</i> Extract by Gas Chromatography. <i>Korean Journal of Environmental Agriculture</i> , 2014, 33, 381-387.	0.4	5
52	Residue safety on ethephon in soybean leaf by drenching and foliar application. <i>Journal of Applied Biological Chemistry</i> , 2018, 61, 75-78.	0.4	5
53	Residual Dissipation Pattern and the Safety Assessment of Tebufenozide and Teflubenzuron on Black Chokeberry (<i>Aronia melanocarpa</i>). <i>Nong'yag Gwahag Hoeji</i> , 2022, 26, 95-102.	0.5	5
54	Downregulation of fungal cytochrome c peroxidase expression by antifungal quinonemethide triterpenoids. <i>Journal of Applied Biological Chemistry</i> , 2016, 59, 281-284.	0.4	4

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55	Examination of Commercial Biochars to Compare Their Endosulfan Adsorption Properties. Nong'yag Gwahag Hoeji, 2019, 23, 172-176.	0.5	4
56	Residual Dissipation Pattern and Residual Safety Assessment of Dichlorvos and Valifenalate in Chinese Chives (<i>Allium tuberosum</i> R.) under Greenhouse Condition. Nong'yag Gwahag Hoeji, 2022, 26, 34-42.	0.5	4
57	Selective antibacterial activity of quercetin against <i>Xanthomonas campestris</i> . Journal of Applied Biological Chemistry, 2022, 65, 101-105.	0.4	4
58	Residual Safety of Boscalid, Fluxapyroxad, Hexaconazole, Pencycuron, Pyraclostrobin, and Thifluzamide as Fungicides for the Prevention of Sclerotinia Rot on Carrot. Nong'yag Gwahag Hoeji, 2021, 25, 11-19.	0.5	3
59	Simple Total Syntheses of (+)-Castanospermine and (+)-6-Epicastanospermine Using Indium-Mediated Allylation. Synthesis, 2003, 2003, 2473-2478.	2.3	2
60	Polycyclic Aromatic Hydrocarbon Generation in Heat-Processed Sundried Salt. Journal of Food Protection, 2014, 77, 1630-1633.	1.7	2
61	Optimization of the extraction procedure for quantitative analysis of saponarin and the artificial light condition for saponarin production from barley sprout. Journal of Applied Biological Chemistry, 2021, 64, 197-203.	0.4	2
62	Effect of Postharvest Treatment of Ethylene or Light on Total Flavonoid in Soybean Leaf. Nong'yag Gwahag Hoeji, 2018, 22, 153-157.	0.5	2
63	Investigation of the Source of Residual Phthalate in Sundried Salt. Journal of Food Protection, 2014, 77, 480-484.	1.7	1
64	Calmodulin 2 Functions as an RNA Chaperone in Prokaryotic Cells. Biotechnology and Bioprocess Engineering, 2018, 23, 448-455.	2.6	1
65	Investigation on Polychlorinated Dibenzop-dioxins, Polychlorinated Dibenzofurans and Dioxin-like Polychlorinated Biphenyls of Grains and Estimation of Dietary Intake for Korean. Journal of Applied Biological Chemistry, 2012, 55, 253-261.	0.4	1
66	Sample Preparation Method for Perfluorochemicals with LC-Tandem Mass Spectrometry in Agricultural Water. Nong'yag Gwahag Hoeji, 2015, 19, 1-4.	0.5	1
67	Highly Stereoselective Intramolecular SN ² Cyclization Yielding Chiral Oxazolidin-2-ones: General Route to \pm -Hydroxy- β -amino Acids. Synlett, 2005, 2005, 2289-2292.	1.8	0