

Sung-Kyun Ko

List of Publications by Year in descending order

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58
papers

2,751
citations

304368

22
h-index

174990

52
g-index

61
all docs

61
docs citations

61
times ranked

3594
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vivo Monitoring of Mercury Ions Using a Rhodamine-Based Molecular Probe. <i>Journal of the American Chemical Society</i> , 2006, 128, 14150-14155.	6.6	494
2	Synthetic ion transporters can induce apoptosis by facilitating chloride anion transport into cells. <i>Nature Chemistry</i> , 2014, 6, 885-892.	6.6	348
3	Boronic acid-linked fluorescent and colorimetric probes for copper ions. <i>Chemical Communications</i> , 2008, , 5915.	2.2	228
4	Zebrafish as a good vertebrate model for molecular imaging using fluorescent probes. <i>Chemical Society Reviews</i> , 2011, 40, 2120.	18.7	217
5	Fluorescent detection of palladium species with an O-propargylated fluorescein. <i>Chemical Communications</i> , 2010, 46, 3964.	2.2	164
6	A chemodosimeter approach to fluorescent sensing and imaging of inorganic and methylmercury species. <i>Chemical Communications</i> , 2009, , 2115.	2.2	156
7	Synthesis of a highly metal-selective rhodamine-based probe and its use for the in vivo monitoring of mercury. <i>Nature Protocols</i> , 2007, 2, 1740-1745.	5.5	95
8	A Small Molecule That Binds to an ATPase Domain of Hsc70 Promotes Membrane Trafficking of Mutant Cystic Fibrosis Transmembrane Conductance Regulator. <i>Journal of the American Chemical Society</i> , 2011, 133, 20267-20276.	6.6	93
9	A Small Molecule Inhibitor of ATPase Activity of HSP70 Induces Apoptosis and Has Antitumor Activities. <i>Chemistry and Biology</i> , 2015, 22, 391-403.	6.2	87
10	An Apoptosis-Inducing Small Molecule That Binds to Heat Shock Protein 70. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7466-7469.	7.2	85
11	Fluorescent detection of methylmercury by desulfurization reaction of rhodamine hydrazide derivatives. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4590.	1.5	74
12	Synthetic Small Molecules that Induce Neurogenesis in Skeletal Muscle. <i>Journal of the American Chemical Society</i> , 2007, 129, 9258-9259.	6.6	58
13	Genomics-Driven Discovery of Chlorinated Cyclic Hexapeptides Ulleungmycins A and B from a <i>Streptomyces</i> Species. <i>Journal of Natural Products</i> , 2017, 80, 3025-3031.	1.5	44
14	New Cyclic Lipopeptides of the Iturin Class Produced by Saltern-Derived <i>Bacillus</i> sp. KCB14S006. <i>Marine Drugs</i> , 2016, 14, 72.	2.2	33
15	Structures and biological activities of azaphilones produced by <i>Penicillium</i> sp. KCB11A109 from a ginseng field. <i>Phytochemistry</i> , 2016, 122, 154-164.	1.4	31
16	Inhibitory effects of flavonoids isolated from <i>Sophora flavescens</i> on indoleamine 2,3-dioxygenase 1 activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 1481-1488.	2.5	31
17	Ulleungamides A and B, Modified β , γ -Dehydropipecolic Acid Containing Cyclic Depsipeptides from <i>Streptomyces</i> sp. KCB13F003. <i>Organic Letters</i> , 2015, 17, 4046-4049.	2.4	30
18	Stachybotrysin, an Osteoclast Differentiation Inhibitor from the Marine-Derived Fungus <i>Stachybotrys</i> sp. KCB13F013. <i>Journal of Natural Products</i> , 2016, 79, 2703-2708.	1.5	28

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19	Ulleungdin, a Lasso Peptide with Cancer Cell Migration Inhibitory Activity Discovered by the Genome Mining Approach. <i>Journal of Natural Products</i> , 2018, 81, 2205-2211.	1.5	27
20	Haenamindole, an unusual diketopiperazine derivative from a marine-derived <i>Penicillium</i> sp. KCB12F005. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 5398-5401.	1.0	25
21	Herqueilenone A, a unique rearranged benzoquinone-chromanone from the Hawaiian volcanic soil-associated fungal strain <i>Penicillium herquei</i> FT729. <i>Bioorganic Chemistry</i> , 2020, 105, 104397.	2.0	25
22	Bioactive β -Pyrone Derivatives from the Endolichenic Fungus <i>Dothideomycetes</i> sp. EL003334. <i>Journal of Natural Products</i> , 2018, 81, 1084-1088.	1.5	24
23	Cep131 overexpression promotes centrosome amplification and colon cancer progression by regulating Plk4 stability. <i>Cell Death and Disease</i> , 2019, 10, 570.	2.7	23
24	Mechanism of the natural product moracin-O derived MO-460 and its targeting protein hnRNPA2B1 on HIF-1 β inhibition. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-14.	3.2	22
25	New phenalenone derivatives from the Hawaiian volcanic soil-associated fungus <i>Penicillium herquei</i> FT729 and their inhibitory effects on indoleamine 2,3-dioxygenase 1 (IDO1). <i>Archives of Pharmacal Research</i> , 2022, 45, 105-113.	2.7	22
26	Cardiosulfa, a Small Molecule that Induces Abnormal Heart Development in Zebrafish, and Its Biological Implications. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7809-7812.	7.2	21
27	A Pectate Lyase-Coding Gene Abundantly Expressed during Early Stages of Infection Is Required for Full Virulence in <i>Alternaria brassicicola</i> . <i>PLoS ONE</i> , 2015, 10, e0127140.	1.1	21
28	Pentaminomycins A and B, Hydroxyarginine-Containing Cyclic Pentapeptides from <i>Streptomyces</i> sp. RK88-1441. <i>Journal of Natural Products</i> , 2018, 81, 806-810.	1.5	21
29	Anti-inflammatory phomalichenones from an endolichenic fungus <i>Phoma</i> sp.. <i>Journal of Antibiotics</i> , 2018, 71, 753-756.	1.0	20
30	Polyketides and Anthranilic Acid Possessing 6-Deoxy- β -talopyranose from a <i>Streptomyces</i> Species. <i>Journal of Natural Products</i> , 2017, 80, 1378-1386.	1.5	17
31	Antibacterial Cyclic Lipopeptide Enamidonins with an Enamide-Linked Acyl Chain from a <i>Streptomyces</i> Species. <i>Journal of Natural Products</i> , 2018, 81, 2462-2469.	1.5	16
32	Boseongazepines A-C, pyrrolobenzodiazepine derivatives from a <i>Streptomyces</i> sp. 11A057. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1802-1804.	1.0	15
33	Cardiosulfa Induces Heart Deformation in Zebrafish through the AhR-Mediated, CYP1A-Independent Pathway. <i>ChemBioChem</i> , 2012, 13, 1483-1489.	1.3	13
34	Inhibition of osteoclasts differentiation by CDC2-induced NFATc1 phosphorylation. <i>Bone</i> , 2020, 131, 115153.	1.4	11
35	Near-Infrared Fluorescence Probe for Specific Detection of Acetylcholinesterase and Imaging in Live Cells and Zebrafish. <i>ACS Applied Bio Materials</i> , 2022, 5, 2232-2239.	2.3	11
36	Catenulisporolides, Glycosylated Triene Macrolides from the Chemically Underexploited Actinomycete <i>Catenulispora</i> Species. <i>Organic Letters</i> , 2018, 20, 7234-7238.	2.4	10

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37	Kurarione induced p53-independent G0/G1 cell cycle arrest by degradation of K-RAS via WDR76 in human colorectal cancer cells. <i>European Journal of Pharmacology</i> , 2022, 923, 174938.	1.7	10
38	Penidioxolanones A and B, 1,3-Dioxolane Containing Azaphilone Derivatives from Marine-derived <i>Penicillium</i> sp. KCB12C078. <i>Natural Product Sciences</i> , 2015, 21, 231.	0.2	9
39	Kushenol E inhibits autophagy and impairs lysosomal positioning via VCP/p97 inhibition. <i>Biochemical Pharmacology</i> , 2020, 175, 113861.	2.0	8
40	Aturanosides A and B, Glycosylated Anthraquinones with Antiangiogenic Activity from a Soil-Derived <i>Streptomyces</i> Species. <i>Journal of Natural Products</i> , 2018, 81, 2004-2009.	1.5	7
41	Isolation of new streptimidone derivatives, glutarimide antibiotics from <i>Streptomyces</i> sp. W3002 using LC-MS-guided screening. <i>Journal of Antibiotics</i> , 2020, 73, 184-188.	1.0	7
42	Ent-Penicilherqueinone Suppresses Acetaldehyde-Induced Cytotoxicity and Oxidative Stress by Inducing ALDH and Suppressing MAPK Signaling. <i>Pharmaceutics</i> , 2020, 12, 1229.	2.0	7
43	Phosphorylation of human enhancer filamentation 1 (HEF1) stimulates interaction with Polo-like kinase 1 leading to HEF1 localization to focal adhesions. <i>Journal of Biological Chemistry</i> , 2018, 293, 847-862.	1.6	6
44	Two cyclic hexapeptides from <i>Penicillium</i> sp. FN070315 with antiangiogenic activities. <i>PLoS ONE</i> , 2017, 12, e0184339.	1.1	6
45	Catenulisporidins A and B, 16-membered macrolides of the hygrolidin family produced by the chemically underexplored actinobacterium <i>Catenulispora</i> species. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127005.	1.0	5
46	A pipercolic acid-rich branched cyclic depsipeptide ulleungamide C from a <i>Streptomyces</i> species induces G0/G1 cell cycle arrest in promyelocytic leukemia cells. <i>Journal of Antibiotics</i> , 2021, 74, 181-189.	1.0	5
47	Dutomycin Induces Autophagy and Apoptosis by Targeting the Serine Protease Inhibitor SERPINB6. <i>ACS Chemical Biology</i> , 2021, 16, 360-370.	1.6	5
48	Analysis of Active Metabolites of <i>Sophora flavescens</i> for Indoleamine 2,3-dioxygenase and Monoamine Oxidases using Ultra-Performance Liquid Chromatography-Quadrupole time-of-Flight Mass Spectrometry. <i>Natural Product Communications</i> , 2018, 13, 1934578X1801301.	0.2	4
49	Xyloneside A: A New Glycosylated Incisterol Derivative from <i>Xylaria</i> sp. FB. <i>ChemBioChem</i> , 2020, 21, 2253-2258.	1.3	2
50	Jejucarbazoles A-C, carbazole glycosides with indoleamine 2,3-dioxygenase 1 inhibitory activity from <i>Streptomyces</i> sp. KCB15JA151. <i>RSC Advances</i> , 2021, 11, 19805-19812.	1.7	2
51	An Autophagy-Disrupting Small Molecule Promotes Cancer Cell Death via Caspase Activation. <i>ChemBioChem</i> , 2021, 22, 3425-3430.	1.3	2
52	Highly oxygenated angucycline from <i>Streptomyces</i> sp. KCB15JA014. <i>Journal of Antibiotics</i> , 2020, 73, 859-862.	1.0	1
53	Ulleunganilines A-C, Trichostatin Analogues Bearing a Modified Side Chain from <i>Streptomyces</i> sp. 13F051. <i>Journal of Natural Products</i> , 2021, 84, 2420-2426.	1.5	1
54	Angucyclines containing 2-acetylglucuronic acid from <i>Streptomyces</i> sp. KCB15JA151. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 48, 128237.	1.0	1

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55	CRM646-A, a Fungal Metabolite, Induces Nucleus Condensation by Increasing Ca ²⁺ Levels in Rat 3Y1 Fibroblast Cells. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 31-37.	0.9	1
56	Streptooctatins A and B, fusicoccane-type diterpenoids with autophagic activity from <i>Streptomyces</i> sp. KCB17JA11. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 57, 128504.	1.0	1
57	RK-270D and E, oxindole derivatives from <i>Streptomyces</i> sp. with anti-angiogenic activity. <i>Journal of Microbiology and Biotechnology</i> , 2022, 32, 1-10.	0.9	1
58	Isolation and Structure Determination of a New Lumichrome Glycoside Isolated from a Soil <i>Streptomyces</i> sp. KCB16C001. <i>Natural Product Communications</i> , 2018, 13, 1934578X1801300.	0.2	0