

Hwayoung Yun

List of Publications by Year in descending order

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67
papers

1,522
citations

393982

19
h-index

344852

36
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73
all docs

73
docs citations

73
times ranked

2514
citing authors

#	ARTICLE	IF	CITATIONS
1	A metabolite-derived protein modification integrates glycolysis with KEAP1–NRF2 signalling. <i>Nature</i> , 2018, 562, 600-604.	13.7	201
2	Redirection of Genetically Engineered CAR-T Cells Using Bifunctional Small Molecules. <i>Journal of the American Chemical Society</i> , 2015, 137, 2832-2835.	6.6	141
3	Design, Synthesis, and Biological Evaluation of Novel Deguelin-Based Heat Shock Protein 90 (HSP90) Inhibitors Targeting Proliferation and Angiogenesis. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10863-10884.	2.9	92
4	Design of Switchable Chimeric Antigen Receptor T Cells Targeting Breast Cancer. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7520-7524.	7.2	92
5	Bispecific small molecule–antibody conjugate targeting prostate cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17796-17801.	3.3	80
6	A Small Molecule Inhibits Deregulated NRF2 Transcriptional Activity in Cancer. <i>ACS Chemical Biology</i> , 2015, 10, 2193-2198.	1.6	72
7	Identification and Validation of Cryptochrome Inhibitors That Modulate the Molecular Circadian Clock. <i>ACS Chemical Biology</i> , 2014, 9, 703-710.	1.6	59
8	Inhibition of acute lethal pulmonary inflammation by the IDO–AhR pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5881-E5890.	3.3	58
9	Ligand-Based Design, Synthesis, and Biological Evaluation of 2-Aminopyrimidines, a Novel Series of Receptor for Advanced Glycation End Products (RAGE) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 9120-9135.	2.9	52
10	Exfoliated bentonite/alginate nanocomposite hydrogel enhances intestinal delivery of probiotics by resistance to gastric pH and on-demand disintegration. <i>Carbohydrate Polymers</i> , 2021, 272, 118462.	5.1	44
11	Recent Advances in Substrate-Controlled Asymmetric Induction Derived from Chiral Pool α -Amino Acids for Natural Product Synthesis. <i>Molecules</i> , 2016, 21, 951.	1.7	42
12	Dual effects of isoflavonoids from <i>Pueraria lobata</i> roots on estrogenic activity and anti-proliferation of MCF-7 human breast carcinoma cells. <i>Bioorganic Chemistry</i> , 2019, 83, 135-144.	2.0	34
13	Enantioselective Total Synthesis of a Natural Iridoid. <i>Organic Letters</i> , 2011, 13, 3344-3347.	2.4	33
14	Role of Neutrophils in the Pathogenesis of Nonalcoholic Steatohepatitis. <i>Frontiers in Endocrinology</i> , 2021, 12, 751802.	1.5	32
15	Concise and Enantioselective Total Synthesis of 15-Deoxy- $\Delta^{12,14}$ -Prostaglandin J ₂ . <i>Journal of Organic Chemistry</i> , 2010, 75, 7458-7460.	1.7	28
16	Recent Advances in Synthesis of 4-Arylcoumarins. <i>Molecules</i> , 2018, 23, 2417.	1.7	28
17	Asymmetric Syntheses of 1-Deoxy-6,8a-di- <i>epi</i> -castanospermine and 1-Deoxy-6- <i>epi</i> -castanospermine. <i>Journal of Organic Chemistry</i> , 2012, 77, 5389-5393.	1.7	25
18	Concise Syntheses of (+)-Macrosphelides A and B: Studies on the Macro-Ring Closure Strategy. <i>Journal of Organic Chemistry</i> , 2009, 74, 554-561.	1.7	21

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19	A PSMA-targeted bispecific antibody for prostate cancer driven by a small-molecule targeting ligand. <i>Science Advances</i> , 2021, 7, .	4.7	20
20	A stereo-controlled access to functionalized macrolactams via an aza-Claisen rearrangement. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 561-568.	1.5	19
21	<i>Salvia miltiorrhiza</i> enhances the survival of mesenchymal stem cells under ischemic conditions. <i>Journal of Pharmacy and Pharmacology</i> , 2018, 70, 1228-1241.	1.2	19
22	Recent advances in development of hetero-bivalent kinase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021, 216, 113318.	2.6	15
23	Switchable CAR-T Cells Outperformed Traditional Antibody-Redirected Therapeutics Targeting Breast Cancers. <i>ACS Synthetic Biology</i> , 2021, 10, 1176-1183.	1.9	15
24	Synthesis of 5,6-dihydrophenanthridines via N,O-acetal TMS ethers. <i>Tetrahedron Letters</i> , 2013, 54, 5167-5171.	0.7	14
25	Pharmacokinetic Evaluation of Metabolic Drug Interactions between Repaglinide and Celecoxib by a Bioanalytical HPLC Method for Their Simultaneous Determination with Fluorescence Detection. <i>Pharmaceutics</i> , 2019, 11, 382.	2.0	14
26	Divergent synthetic route to new cyclopenta[c]pyran iridoids: syntheses of jatamanin A, F, G and J, gastro lactone and nepetalactone. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1244-1251.	1.5	13
27	Beneficial effects of <i>Cirsium japonicum</i> var. <i>maackii</i> on menopausal symptoms in ovariectomized rats. <i>Food and Function</i> , 2018, 9, 2480-2489.	2.1	13
28	Asymmetric and Reduced Xanthene Fluorophores: Synthesis, Photochemical Properties, and Application to Activatable Fluorescent Probes for Detection of Nitroreductase. <i>Molecules</i> , 2019, 24, 3206.	1.7	13
29	Tumor-Penetrable Nitric Oxide-Releasing Nanoparticles Potentiate Local Antimelanoma Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30383-30396.	4.0	13
30	Discovery and optimization of novel 3-benzyl-N-phenyl-1H-pyrazole-5-carboxamides as bifunctional antidiabetic agents stimulating both insulin secretion and glucose uptake. <i>European Journal of Medicinal Chemistry</i> , 2021, 217, 113325.	2.6	12
31	A molecular design towards sulfonyl aza-BODIPY based NIR fluorescent and colorimetric probe for selective cysteine detection. <i>RSC Advances</i> , 2021, 11, 10154-10158.	1.7	12
32	A versatile synthetic approach to grandisol monoterpene pheromone. <i>Archives of Pharmacal Research</i> , 2011, 34, 1437-1442.	2.7	11
33	Total Synthesis of Anmindenol A and Its Application to the Design, Synthesis, and Biological Evaluation of Derivatives Thereof. <i>Journal of Organic Chemistry</i> , 2019, 84, 10953-10961.	1.7	11
34	Discovery and SAR studies of novel 2-anilinopyrimidine-based selective inhibitors against triple-negative breast cancer cell line MDA-MB-468. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 62-65.	1.0	11
35	A sensitive HPLC-FLD method for the quantification of apelisib, a novel phosphatidylinositol 3-kinase inhibitor, in rat plasma: Drug metabolism and pharmacokinetic evaluation in vitro and in vivo. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1163, 122508.	1.2	11
36	First total syntheses of (âˆ’)-macrosphelides J and K and elucidation of their absolute configuration. <i>Chemical Communications</i> , 2009, , 2463.	2.2	10

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37	Expedient Synthesis of Chiral Homoallylamines via N,O-Acetal TMS Ethers and Its Application. <i>Organic Letters</i> , 2011, 13, 5920-5923.	2.4	10
38	Achiral auxiliary-assisted chiral transfer via microwave-accelerated aza-Claisen rearrangement: a short synthesis of (+)-1-hydroxyquinolizidinone. <i>Tetrahedron Letters</i> , 2012, 53, 4813-4815.	0.7	9
39	Assessment of Metabolic Interaction between Repaglinide and Quercetin via Mixed Inhibition in the Liver: In Vitro and In Vivo. <i>Pharmaceutics</i> , 2021, 13, 782.	2.0	8
40	Asymmetric Total Synthesis of (+)-(3 <i>E</i>)-Pinnatifidenyne via Abnormally Regioselective Pd(0)-Catalyzed Endocyclization. <i>Journal of Organic Chemistry</i> , 2018, 83, 1997-2005.	1.7	7
41	Total synthesis of (+)-brasilenyne via concise construction of an oxonane framework containing a 1,3-cis-diene. <i>Chemical Communications</i> , 2018, 54, 467-470.	2.2	7
42	A novel high-performance liquid chromatographic method combined with fluorescence detection for determination of ertugliflozin in rat plasma: Assessment of pharmacokinetic drug interaction potential of ertugliflozin with mefenamic acid and ketoconazole. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1122-1123, 49-57.	1.2	7
43	Stereoselective Synthesis of 7- <i>epi</i> -Incarville. <i>Organic Letters</i> , 2013, 15, 531-533.	2.4	6
44	Heterocycle-linked Phenylbenzyl Amides as Novel TRPV1 Antagonists and Their TRPV1 Binding Modes: Constraint-Induced Enhancement of In Vitro and In Vivo Activities. <i>Chemistry - an Asian Journal</i> , 2013, 8, 400-409.	1.7	6
45	Design and synthesis of a macrophelide A-biotin chimera. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7127.	1.5	6
46	Stereoselective Synthesis of 1,4,5-Tri- <i>cis</i> -guaiane Sesquiterpene: First Total Synthesis of ($\hat{\alpha}$)-Dendroside C Aglycon. <i>Organic Letters</i> , 2018, 20, 586-589.	2.4	6
47	Multiple Combination of <i>Angelica gigas</i> Extract and Mesenchymal Stem Cells Enhances Therapeutic Effect. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 1748-1756.	0.6	6
48	Estrogenic activity of ethyl gallate and its potential use in hormone replacement therapy. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 40, 127919.	1.0	6
49	Novel Anti-Melanogenic Compounds, (Z)-5-(Substituted Benzylidene)-4-thioxothiazolidin-2-one Derivatives: In Vitro and In Silico Insights. <i>Molecules</i> , 2021, 26, 4963.	1.7	6
50	Aryl hydrocarbon receptor-targeted therapy for CD4+ T cell-mediated idiopathic pneumonia syndrome in mice. <i>Blood</i> , 2022, 139, 3325-3339.	0.6	6
51	Asymmetric Total Synthesis of (+)-Intricenene via an Endocyclization Route to Oxocane Skeleton. <i>Organic Letters</i> , 2017, 19, 6642-6645.	2.4	5
52	SAR optimization studies on a novel series of 2-anilinopyrimidines as selective inhibitors against triple-negative breast cancer cell line MDA-MB-468. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 126752.	1.0	5
53	Discovery and SAR studies of 3-amino-4-(phenylsulfonyl)tetrahydrothiophene 1,1-dioxides as non-electrophilic antioxidant response element (ARE) activators. <i>Bioorganic Chemistry</i> , 2021, 108, 104614.	2.0	5
54	Divergent Synthetic Route to Oxidized Benzofulvene Sesquiterpenoids: Protecting Group-Free Total Synthesis of Nicotianasterpenes A, B, and a Polygonum Sesquiterpenoid. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6714-6719.	1.2	4

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55	RKIP Induction Promotes Tumor Differentiation via SOX2 Degradation in NF2-Deficient Conditions. <i>Molecular Cancer Research</i> , 2022, 20, 412-424.	1.5	4
56	Glucal-conjugated sterols as novel vascular leakage blocker: Structure–activity relationship focusing on the C17-side chain. <i>European Journal of Medicinal Chemistry</i> , 2014, 75, 184-194.	2.6	3
57	A Practical and Eco-friendly Synthesis of <i>Oxo</i> -bile Acids. <i>Organic Preparations and Procedures International</i> , 2016, 48, 55-61.	0.6	3
58	Electrophilic Chemistry of Tranilast Is Involved in Its Anti-Colitic Activity via Nrf2-HO-1 Pathway Activation. <i>Pharmaceuticals</i> , 2021, 14, 1092.	1.7	3
59	A Novel Class of Potent Anti-Tyrosinase Compounds with Antioxidant Activity, 2-(Substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 107 1375.	2.2	3
60	Concise and Efficient Synthesis of 3,7-Dioxo-5 β -cholanic Acid via C3,C7-Selective Ketal Protection. <i>Organic Preparations and Procedures International</i> , 2017, 49, 163-168.	0.6	2
61	A New Julia-Kocienski Reagent for Convenient Access to the 2-Naphthylmethyl Vinyl Ethers. <i>Organic Preparations and Procedures International</i> , 2021, 53, 200-205.	0.6	2
62	Macrosphelide A Exhibits a Specific Anti-Cancer Effect by Simultaneously Inactivating ENO1, ALDOA, and FH. <i>Pharmaceuticals</i> , 2021, 14, 1060.	1.7	2
63	Correction to Identification and Validation of Cryptochrome Inhibitors That Modulate the Molecular Circadian Clock. <i>ACS Chemical Biology</i> , 2014, 9, 1213-1213.	1.6	1
64	Synthesis and Synthesis-Based Structural Elucidation of (α')-Macrosphelides J and K. <i>Heterocycles</i> , 2015, 91, 970.	0.4	1
65	Recent Advances in Substrate-Controlled Asymmetric Cyclization for Natural Product Synthesis. <i>Molecules</i> , 2017, 22, 1069.	1.7	1
66	A bioisosteric approach to the discovery of novel N-aryl-N ϵ -[4-(aryloxy)cyclohexyl]squaramide-based activators of eukaryotic initiation factor 2 alpha (eIF2 α) phosphorylation. <i>European Journal of Medicinal Chemistry</i> , 2022, 239, 114501.	2.6	1
67	An Improved C-Deglycosylation of Mangiferin to Norathyriol. <i>Organic Preparations and Procedures International</i> , 2018, 50, 91-94.	0.6	0