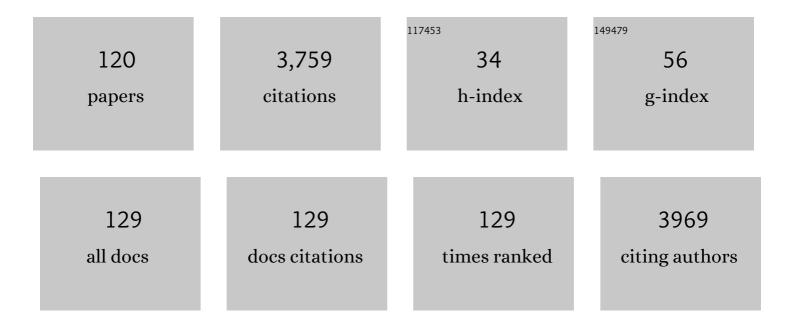
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	On the Erosion of Enantiopurity of Rhodonoids via Their Asymmetric Total Synthesis. Organic Letters, 2022, 24, 2181-2185.	2.4	7
2	Alkylidene Carbene from Silyl Vinyl Iodide Provides Mechanistic Insights on Trimethylenemethane Diyl-Mediated Tandem Cyclizations. Organic Letters, 2022, 24, 4399-4403.	2.4	0
3	Facile Total Syntheses of Putative and Revised Structures of Pethybrene. Asian Journal of Organic Chemistry, 2021, 10, 820-826.	1.3	2
4	Total Synthesis of (±)-Jujuyane. Organic Letters, 2021, 23, 4651-4656.	2.4	4
5	Development of Carbazole Derivatives Compounds against Candida albicans: Candidates to Prevent Hyphal Formation via the Ras1-MAPK Pathway. Journal of Fungi (Basel, Switzerland), 2021, 7, 688.	1.5	7
6	A Free Radical Cyclization Catalyzed by Ruthenium Hydride Species. Chemistry - an Asian Journal, 2021, 16, 3909-3913.	1.7	0
7	Nm23-H1 activator phenylbutenoid dimer exerts cytotoxic effects on metastatic breast cancer cells by inducing mitochondrial dysfunction only under glucose starvation. Scientific Reports, 2021, 11, 23549.	1.6	3
8	Unexpected Selectivity of Intramolecular [3+2] Cycloaddition of Trimethylenemethane (TMM) Diyl toward Total Synthesis of Conidiogenone B. European Journal of Organic Chemistry, 2020, 2020, 609-617.	1.2	7
9	Au(I)-Catalyzed Cyclization of Epoxyalkynes to Allylic Alcohol Containing Spiroketals and Application to the Total Synthesis of (â~')-Alotaketal A. Organic Letters, 2020, 22, 4073-4077.	2.4	13
10	A Total Synthesis of (±) eratopicanol via Palladium Catalyzed Reductive Cyclization. European Journal of Organic Chemistry, 2020, 2020, 4931-4936.	1.2	0
11	Biosynthetically Inspired Syntheses of Secu′amamine A and Fluvirosaones A and B. Angewandte Chemie, 2020, 132, 6961-6968.	1.6	3
12	Biosynthetically Inspired Syntheses of Secu′amamine A and Fluvirosaones A and B. Angewandte Chemie - International Edition, 2020, 59, 6894-6901.	7.2	22
13	Synthetic Strategies for (â^') annabidiol and Its Structural Analogs. Chemistry - an Asian Journal, 2019, 14, 3749-3762.	1.7	28
14	Carbon Dioxide-Catalyzed Stereoselective Cyanation Reaction. ACS Catalysis, 2019, 9, 6006-6011.	5.5	24
15	Cu(OTf) ₂ -Promoted 1,4-Addition of Alkyl Bromides to Dehydroalanine. Journal of Organic Chemistry, 2019, 84, 4558-4565.	1.7	13
16	Aldehyde Carboxylation: A Concise DFT Mechanistic Study and a Hypothetical Role of CO2 in the Origin of Life. Synlett, 2019, 30, 987-996.	1.0	8
17	(+)-Dimericbiscognienyne A: Total Synthesis and Mechanistic Investigations of the Key Heterodimerization. Organic Letters, 2018, 20, 6886-6890.	2.4	21
18	Small molecule activator of Nm23/NDPK as an inhibitor of metastasis. Scientific Reports, 2018, 8, 10909.	1.6	16

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19	An efficient Cu-catalyzed azide–alkyne cycloaddition (CuAAC) reaction in aqueous medium with a zwitterionic ligand, betaine. Catalysis Science and Technology, 2017, 7, 2450-2456.	2.1	28
20	Total Synthesis of (±)â€Waihoensene. Angewandte Chemie - International Edition, 2017, 56, 8254-8257.	7.2	42
21	Total Synthesis of (±)â€Waihoensene. Angewandte Chemie, 2017, 129, 8366-8369.	1.6	10
22	A Formal Total Synthesis of (+)â€Frondosin A. Asian Journal of Organic Chemistry, 2017, 6, 1594-1597.	1.3	6
23	Total Synthesis of (â^')-Phorbaketal A. Organic Letters, 2017, 19, 3903-3906.	2.4	20
24	Active maintenance of endothelial cells prevents kidney fibrosis. Kidney Research and Clinical Practice, 2017, 36, 329-341.	0.9	14
25	Synthesis and Biological Evaluation of Substituted Pyrazole Constrained Piperazine Derivative Library for Dopamine Receptor Antagonist. Bulletin of the Korean Chemical Society, 2016, 37, 2076-2079.	1.0	0
26	A chemical biology route to site-specific authentic protein modifications. Science, 2016, 354, 623-626.	6.0	188
27	Tissue-based metabolic labeling of polysialic acids in living primary hippocampal neurons. Proceedings of the United States of America, 2015, 112, E241-E248.	3.3	29
28	Trimethylenemethane Diyl Mediated Tandem Cycloaddition Reactions: Mechanism Based Design of Synthetic Strategies. Accounts of Chemical Research, 2015, 48, 2308-2319.	7.6	31
29	Immobilization of Antibody on a Cyclic Olefin Copolymer Surface with Functionalizable, Non-Biofouling Poly[Oligo(Ethylene Glycol) Methacrylate]. Journal of Nanoscience and Nanotechnology, 2015, 15, 1767-1770.	0.9	3
30	ROSics: Chemistry and proteomics of cysteine modifications in redox biology. Mass Spectrometry Reviews, 2015, 34, 184-208.	2.8	87
31	Stereospecific mechanism of <scp>DJ</scp> â€1 glyoxalases inferred from their hemithioacetalâ€containing crystal structures. FEBS Journal, 2014, 281, 5447-5462.	2.2	36
32	Total Synthesis of the Crinipellins. Strategies and Tactics in Organic Synthesis, 2014, , 271-291.	0.1	0
33	Sulfhydryl-Specific Probe for Monitoring Protein Redox Sensitivity. ACS Chemical Biology, 2014, 9, 2883-2894.	1.6	10
34	Total Synthesis of (â^')-Crinipellin A. Journal of the American Chemical Society, 2014, 136, 10274-10276.	6.6	58
35	Total Synthesis of Panaginsene with Structural Revision. Organic Letters, 2014, 16, 2466-2469.	2.4	25
36	Regioselective Click Chemistry for Construction of Arylpiperazinyl 1,2,3-Triazole Derivative Libraries as Dopamine D ₄ /D ₃ Receptor Ligands. Bulletin of the Korean Chemical Society, 2014, 35, 3675-3678.	1.0	3

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37	Chemical Control of Yeast Cell Division by Crossâ€Linked Shells of Catecholâ€Grafted Polyelectrolyte Multilayers. Macromolecular Rapid Communications, 2013, 34, 1351-1356.	2.0	42
38	An asymmetric total synthesis of (+)-pentalenene. Tetrahedron, 2013, 69, 7810-7816.	1.0	19
39	Correlation between Functionality Preference of Ru Carbenes and <i>exo</i> / <i>endo</i> Product Selectivity for Clarifying the Mechanism of Ring-Closing Enyne Metathesis. Journal of Organic Chemistry, 2013, 78, 8242-8249.	1.7	17
40	Aziridinyl imines in organic synthesis: Development of tandem reaction strategies and application to total synthesis of natural products. Pure and Applied Chemistry, 2013, 85, 741-753.	0.9	12
41	CP-690550 Treatment Ameliorates Established Disease and Provides Long-Term Therapeutic Effects in an SKG Arthritis Model. Immune Network, 2013, 13, 257.	1.6	4
42	Construction of a Library of Arylpiperazinyl 1,2,3-Triazole Derivatives as Ligands for Dopamine D3/D4Receptor. Bulletin of the Korean Chemical Society, 2013, 34, 3467-3470.	1.0	2
43	Soluble Epoxide Hydrolase Activity Determines the Severity of Ischemia-Reperfusion Injury in Kidney. PLoS ONE, 2012, 7, e37075.	1.1	40
44	A Formal Total Synthesis of Dysiherbaine and Neodysiherbaine A. European Journal of Organic Chemistry, 2012, 2012, 4192-4199.	1.2	14
45	Total Synthesis of Ceratopicanol through Tandem Cycloaddition Reaction of a Linear Substrate. Chemistry - an Asian Journal, 2012, 7, 2450-2456.	1.7	17
46	Phorbasones A and B, Sesterterpenoids Isolated from the Marine Sponge <i>Phorbas</i> sp. and Induction of Osteoblast Differentiation. Organic Letters, 2011, 13, 884-887.	2.4	29
47	Tandem Cycloaddition Reactions of Allenyl Diazo Compounds Forming Triquinanes via Trimethylenemethane Diyls. Journal of the American Chemical Society, 2011, 133, 18050-18053.	6.6	34
48	Novel Oxidative Modifications in Redox-Active Cysteine Residues. Molecular and Cellular Proteomics, 2011, 10, M110.000513.	2.5	79
49	A facile synthesis of (S)-felodipine. Tetrahedron, 2011, 67, 10222-10228.	1.0	9
50	Stereoselectivity in Trimethylenemethane (TMM) Diyl Mediated Cycloaddition Reaction to Angularly Fused Triquinanes. Chemistry - an Asian Journal, 2011, 6, 646-651.	1.7	13
51	Unexpected Formation of a <i>transâ€syn</i> â€Fused Linear Triquinane from a Trimethylenemethane (TMM)â€Diylâ€Mediated [2+3] Cycloaddition Reaction Chemistry - an Asian Journal, 2011, 6, 1931-1935.	1.7	5
52	Identification of substituted pyrazole constrained arylpiperazines asselective ligands for serotonin 5HT _{1a} and 5HT _{2a} receptors. Bulletin of the Korean Chemical Society, 2011, 32, 2861-2862.	1.0	2
53	Versatile Synthesis of Disubstituted Triazole Library for Dopamine and Serotonin Receptor Ligands. Bulletin of the Korean Chemical Society, 2011, 32, 3101-3104.	1.0	3
54	CP-690550, a Janus Kinase Inhibitor, Suppresses CD4+ T-Cell–Mediated Acute Graft-Versus-Host Disease by Inhibiting the Interferon-γ Pathway. Transplantation, 2010, 90, 825-835.	0.5	37

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55	A receptor-independent, cell-based JAK activation assay for screening for JAK3-specific inhibitors. Journal of Immunological Methods, 2010, 354, 45-52.	0.6	4
56	Synthesis and pharmacological evaluation of 3-aryl-3-azolylpropan-1-amines as selective triple serotonin/norepinephrine/dopamine reuptake inhibitors. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 5567-5571.	1.0	16
57	Angularly Fused Triquinanes from Linear Substrates through Trimethylenemethane Diyl [2 + 3] Cycloaddition Reaction. Organic Letters, 2010, 12, 2672-2674.	2.4	25
58	Construction of the ABC-ring System of Delnudine through Free Radical Cyclization and Alkylidene Carbene C-H Insertion. Bulletin of the Korean Chemical Society, 2010, 31, 557-558.	1.0	7
59	Design, Synthesis and Antiviral Activity of 5-Hydroxymethyl-3-phosphonyl-4,5-dihydrofuran Analogs of Nucleotides. Bulletin of the Korean Chemical Society, 2010, 31, 2139-2140.	1.0	4
60	A Facile Total Synthesis of All Stereoisomers of Tarchonanthuslactone and Euscapholide from Chiral Epichlorohydrin. Synlett, 2009, 2009, 249-252.	1.0	16
61	Significant Selfâ€Acceleration Effects of Nitrile Additives in the Rhodiumâ€Catalyzed Conversion of Aldoximes to Amides: A New Mechanistic Aspect. Advanced Synthesis and Catalysis, 2009, 351, 1807-1812.	2.1	82
62	Probing the Mode of Asymmetric Induction of Biginelli Reaction Using Proline Ester Salts. European Journal of Organic Chemistry, 2009, 2009, 3858-3862.	1.2	31
63	Total Synthesis of (–)â€l 3â€Acetoxymodhephene and (+)â€l 4â€Acetoxymodhephene. European Journal of Organic Chemistry, 2009, 2009, 5028-5037.	1.2	10
64	A new structural class of S-adenosylhomocysteine hydrolase inhibitors. Bioorganic and Medicinal Chemistry, 2009, 17, 6707-6714.	1.4	21
65	Phorbaketals A, B, and C, Sesterterpenoids with a Spiroketal of Hydrobenzopyran Moiety Isolated from the Marine Sponge <i>Phorbas</i> sp Organic Letters, 2009, 11, 5590-5593.	2.4	63
66	Anhydrous Hydration of Nitriles to Amides using Aldoximes as the Water Source. Organic Letters, 2009, 11, 5598-5601.	2.4	79
67	Chromen-based TNF-α converting enzyme (TACE) inhibitors: Design, synthesis, and biological evaluation. Bioorganic and Medicinal Chemistry, 2008, 16, 530-535.	1.4	38
68	Structure–activity relationship studies of the chromosome segregation inhibitor, Incentrom A. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4670-4674.	1.0	7
69	Cycloaddition reactions of trimethylenemethane diyls generated from alkynyl iodonium salts. Tetrahedron Letters, 2008, 49, 5693-5696.	0.7	15
70	Initial Catalystâ~'Substrate Association Step in Enyne Metathesis Catalyzed by Grubbs Ruthenium Complex Probed by Time-Dependent Fluorescence Quenching. Journal of the American Chemical Society, 2008, 130, 16506-16507.	6.6	26
71	The Stereoselective Dimerization Reaction of Oxidopyrylium Ions. Synthesis, 2007, 2007, 2360-2364.	1.2	12
72	Structureâ^'Activity Relationship Studies of a Series of Novel δ-Lactam-Based Histone Deacetylase Inhibitors. Journal of Medicinal Chemistry, 2007, 50, 2737-2741.	2.9	29

HEE-YOON LEE

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73	Triquinanes from linear ketones via trimethylenemethane diyls. Tetrahedron Letters, 2007, 48, 1407-1410.	0.7	24
74	Modification of cap group in δ-lactam-based histone deacetylase (HDAC) inhibitors. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 6234-6238.	1.0	27
75	Selective catalytic activity of ball-shaped Pd@MCM-48 nanocatalysts. Chemical Communications, 2006, , 1325.	2.2	37
76	Gelastatins and their hydroxamates as dual functional inhibitors for TNF-α converting enzyme and matrix metalloproteinases: Synthesis, biological evaluation, and mechanism studies. Biochemical and Biophysical Research Communications, 2006, 341, 627-634.	1.0	10
77	A highly selective κ-opioid receptor agonist with low addictive potential and dependence liability. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 3609-3613.	1.0	16
78	Synthesis, enzymatic inhibition, and cancer cell growth inhibition of novel δ-lactam-based histone deacetylase (HDAC) inhibitors. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 4068-4070.	1.0	33
79	Practical Halogenations of Nucleosides Using Tetrabutylammonium Peroxydisulfate. Heterocycles, 2005, 66, 51.	0.4	4
80	A facile tandem radical cyclization route to propellanes and its application to a total synthesis of modhephene. Tetrahedron Letters, 2005, 46, 1455-1458.	0.7	21
81	A Facile Tandem Radical Cyclization Route to Propellanes and Its Application to a Total Synthesis of Modhephene ChemInform, 2005, 36, no.	0.1	0
82	Facile Bartonâ^'McCombie Deoxygenation of Alcohols with Tetrabutylammonium Peroxydisulfate and Formate Ion. Organic Letters, 2005, 7, 3187-3190.	2.4	53
83	Controlled Polymerization in Mesoporous Silica toward the Design of Organicâ ``Inorganic Composite Nanoporous Materials. Journal of the American Chemical Society, 2005, 127, 1924-1932.	6.6	263
84	One-Pot Three-Component Tandem Metathesis/Diels—Alder Reaction ChemInform, 2004, 35, no.	0.1	0
85	A tandem radical cyclization route to tricyclo[4.3.n.01,5]alkanes. Tetrahedron Letters, 2004, 45, 7225-7229.	0.7	13
86	Application of sulfur ylide mediated epoxidations in the asymmetric synthesis of β-hydroxy-δ-lactones. Synthesis of a mevinic acid analogue and (+)-prelactone B. Tetrahedron, 2004, 60, 9725-9733.	1.0	46
87	Title is missing!. Angewandte Chemie, 2003, 115, 3396-3400.	1.6	34
88	Sulfur-Ylide-Mediated Synthesis of Functionalized and Trisubstituted Epoxides with High Enantioselectivity; Application to the Synthesis of CDP-840 ChemInform, 2003, 34, no.	0.1	0
89	Triquinanes from Linear Alkylidene Carbenes via Trimethylenemethane Diyls ChemInform, 2003, 34, no.	0.1	0
90	Sulfur-Ylide-Mediated Synthesis of Functionalized and Trisubstituted Epoxides with High Enantioselectivity; Application to the Synthesis of CDP-840. Angewandte Chemie - International Edition, 2003, 42, 3274-3278.	7.2	122

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91	Selective 1,4-reduction of unsaturated carbonyl compounds using Co2(CO)8–H2O. Tetrahedron Letters, 2003, 44, 2775-2778.	0.7	52
92	A facile synthesis of 1,2-oxaphospholenes and stereoselective conversion into oxaphospholanes. Tetrahedron Letters, 2003, 44, 5811-5814.	0.7	19
93	A practical total synthesis of gelastatins. Tetrahedron Letters, 2003, 44, 5803-5806.	0.7	12
94	Triquinanes from Linear Alkylidene Carbenes via Trimethylenemethane Diyls. Journal of the American Chemical Society, 2003, 125, 10156-10157.	6.6	41
95	One-Pot Three-Component Tandem Metathesis/Dielsâ^ Alder Reaction. Organic Letters, 2003, 5, 3439-3442.	2.4	100
96	A Stereoselective Enyne Cross Metathesis. Organic Letters, 2003, 5, 1855-1858.	2.4	75
97	Ordered mesoporous carbon molecular sieves with functionalized surfaces. Studies in Surface Science and Catalysis, 2003, , 37-40.	1.5	34
98	Synthesis of Multi-substituted Pyrazoles Utilizing the N-Alkylated 3-Hydroxy-3-propargyl- or allenylisoindolines. Heterocycles, 2003, 60, 2499.	0.4	6
99	Design and synthesis of a piperazinylalkylisoxazole library for subtype selective dopamine receptor ligands. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 1327-1330.	1.0	26
100	Development of tripeptidyl farnesyltransferase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 1599-1602.	1.0	8
101	Effect of substitution and temperature on the reactivity of bicyclo[3.1.0]hex-1-ene system. Tetrahedron Letters, 2001, 42, 7431-7434.	0.7	6
102	Solution-phase combinatorial synthesis of isoxazolines and isoxazoles using [2+3] cycloaddition reaction of nitrile oxides. Tetrahedron Letters, 2001, 42, 1057-1060.	0.7	32
103	Studies toward the synthesis of arteminolide: [5+2] cycloaddition reaction of allenes with oxidopyrylium ions. Tetrahedron Letters, 2001, 42, 1695-1698.	0.7	27
104	A Stereoselective Synthesis of 1-Acetyl-2-aminomethylcyclopropanes from Allylsulfonamides and Phenyl(alkynyl)iodonium Salts. Synlett, 2001, 2001, 1656-1658.	1.0	20
105	A Facile Construction of the Quadranoid Skeleton:  Application to the Total Synthesis of (±)-Suberosenone. Organic Letters, 2000, 2, 1951-1953.	2.4	27
106	Total synthesis of α-cedrene: A new strategy utilizing N-Aziridinylimine radical chemistry. Tetrahedron Letters, 1998, 39, 7713-7716.	0.7	28
107	Design and synthesis of N-alkylated saccharins as selective α-1a adrenergic receptor antagonists. Bioorganic and Medicinal Chemistry Letters, 1998, 8, 2467-2472.	1.0	13
108	The Total Synthesis of a Natural Cardenolide:Â (+)-Digitoxigenin. Journal of the American Chemical Society, 1996, 118, 10660-10661.	6.6	89

HEE-YOON LEE

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109	Nonpeptidal P2Ligands for HIV Protease Inhibitors:Â Structure-Based Design, Synthesis, and Biological Evaluation. Journal of Medicinal Chemistry, 1996, 39, 3278-3290.	2.9	99
110	Tandem radical cyclization reaction of N-aziridinyl imines to [3.3.3]propellanes: formal total syntheses of dl-modhephene. Chemical Communications, 1996, , 1539.	2.2	38
111	The Development of Cyclic Sulfolanes as Novel and High-Affinity P2 Ligands for HIV-1 Protease Inhibitors. Journal of Medicinal Chemistry, 1994, 37, 1177-1188.	2.9	56
112	Novel Catalytic Cycle for the Synthesis of Epoxides from Aldehydes and Sulfur Ylides Mediated by Catalytic Quantities of Sulfides and Rh2(OAc)4. Journal of the American Chemical Society, 1994, 116, 5973-5974.	6.6	99
113	A short synthesis of 3(r)-hydroxy-2(R)-isopropyltetrahydrothiophene: A precursor to a high-affinity P2-ligand of HIV-1 protease inhibitors. Tetrahedron Letters, 1993, 34, 6517-6520.	0.7	13
114	Cyclic sulfolanes as novel and high-affinity P2 ligands for HIV-1 protease inhibitors. Journal of Medicinal Chemistry, 1993, 36, 924-927.	2.9	49
115	3'-Tetrahydrofuranylglycine as a novel, unnatural amino acid surrogate for asparagine in the design of inhibitors of the HIV protease. Journal of the American Chemical Society, 1993, 115, 801-803.	6.6	42
116	Potent HIV protease inhibitors: the development of tetrahydrofuranylglycines as novel P2-ligands and pyrazine amides as P3-ligands. Journal of Medicinal Chemistry, 1993, 36, 2300-2310.	2.9	76
117	A facile and enantiospecific synthesis of 2(S)- and 2 (R)[1′(S)-azido-2-phenylethyl]oxirane. Journal of the Chemical Society Chemical Communications, 1992, 1992, 273-274.	2.0	21
118	Studies on tumor promoters. 7. The synthesis of a potentially general precursor of the tiglianes, daphnanes, and ingenanes. Journal of the American Chemical Society, 1989, 111, 8954-8957.	6.6	125
119	Studies on tumor promoters. 8. The synthesis of phorbol. Journal of the American Chemical Society, 1989, 111, 8957-8958.	6.6	139
120	Studies on tumor promoters: the first synthesis of the phorbol skeleton. Journal of the American Chemical Society, 1987, 109, 4390-4392.	6.6	52

¹²⁰ Chemical Society, 1987, 109, 4390-4392.