

Cheol-Hong Cheon

List of Publications by Year in descending order

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papers

1,937
citations

279487

23
h-index

264894

42
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74
all docs

74
docs citations

74
times ranked

2294
citing authors

#	ARTICLE	IF	CITATIONS
1	A Brønsted Acid Catalyst for the Enantioselective Protonation Reaction. <i>Journal of the American Chemical Society</i> , 2008, 130, 9246-9247.	6.6	244
2	Synthesis of quinazolinones from anthranilamides and aldehydes via metal-free aerobic oxidation in DMSO. <i>Tetrahedron Letters</i> , 2014, 55, 2340-2344.	0.7	135
3	Chiral Brønsted Acid from a Cationic Gold(I) Complex: Catalytic Enantioselective Protonation of Silyl Enol Ethers of Ketones. <i>Journal of the American Chemical Society</i> , 2011, 133, 13248-13251.	6.6	115
4	A [2,2]paracyclophane triarylamine-based hole-transporting material for high performance perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24215-24220.	5.2	87
5	Cyanide as a Powerful Catalyst for Facile Preparation of 2-Substituted Benzoxazoles via Aerobic Oxidation. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2992-2996.	2.1	78
6	Effect of multi-armed triphenylamine-based hole transporting materials for high performance perovskite solar cells. <i>Chemical Science</i> , 2016, 7, 5517-5522.	3.7	78
7	N-Triflylthiophosphoramidate Catalyzed Enantioselective Mukaiyama Aldol Reaction of Aldehydes with Silyl Enol Ethers of Ketones. <i>Organic Letters</i> , 2010, 12, 2476-2479.	2.4	76
8	Significant facilitation of metal-free aerobic oxidative cyclization of imines with water in synthesis of benzimidazoles. <i>Tetrahedron</i> , 2015, 71, 532-538.	1.0	67
9	Catalytic Asymmetric Claisen Rearrangement of Enolphosphonates: Construction of Vicinal Tertiary and All-Carbon Quaternary Centers. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8264-8267.	7.2	66
10	Total Synthesis of Luotonin A and Rutaecarpine from an Aldimine via the Designed Cyclization. <i>Organic Letters</i> , 2016, 18, 5280-5283.	2.4	62
11	Protodeboronation of ortho- and para-Phenol Boronic Acids and Application to ortho and meta Functionalization of Phenols Using Boronic Acids as Blocking and Directing Groups. <i>Journal of Organic Chemistry</i> , 2013, 78, 12154-12160.	1.7	58
12	Cyanide as a powerful catalyst for facile synthesis of benzofused heteroaromatic compounds via aerobic oxidation. <i>Tetrahedron</i> , 2013, 69, 6565-6573.	1.0	57
13	Synthesis of V-doped In ₂ O ₃ Nanocrystals via Digestive-Ripening Process and Their Electrocatalytic Properties in CO ₂ Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11890-11897.	4.0	44
14	Metal-Free Protodeboronation of Electron-Rich Arene Boronic Acids and Its Application to ortho-Functionalization of Electron-Rich Arenes Using a Boronic Acid as a Blocking Group. <i>Journal of Organic Chemistry</i> , 2014, 79, 7277-7285.	1.7	43
15	Synthesis of Aryl-Substituted Indole-3-acetic Acid Derivatives via Intramolecular Imino-Stetter Reaction of Aldimines with Cyanide. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1566-1570.	2.1	42
16	Total Syntheses of Arcyriaflavin A and Calothrixin B Using 2,2-Bisindole-3-acetic Acid Derivative as a Common Intermediate. <i>Organic Letters</i> , 2017, 19, 2785-2788.	2.4	41
17	Enantioselective Synthesis of β^2 -Arylamines via Chiral Phosphoric Acid-Catalyzed Asymmetric Reductive Amination. <i>Journal of Organic Chemistry</i> , 2015, 80, 6367-6374.	1.7	35
18	Formation of Amides from Imines via Cyanide-Mediated Metal-Free Aerobic Oxidation. <i>Journal of Organic Chemistry</i> , 2015, 80, 11993-11998.	1.7	34

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19	Synthesis of 2-Vinylindole-3-Acetic Acid Derivatives via Cyanide-Catalyzed Imino-Stetter Reaction. <i>Journal of Organic Chemistry</i> , 2016, 81, 7917-7923.	1.7	29
20	On-Water Synthesis of 2-Substituted Quinolines from 2-Aminochalcones Using Benzylamine as the Nucleophilic Catalyst. <i>Journal of Organic Chemistry</i> , 2018, 83, 13036-13044.	1.7	29
21	Development of N,N-bis(perfluoroalkanesulfonyl)squaramides as new strong Brønsted acids and their application to organic reactions. <i>Tetrahedron</i> , 2010, 66, 4257-4264.	1.0	28
22	Synthesis of 2-Aminoquinoxalines via One-Pot Cyanide-Based Sequential Reaction under Aerobic Oxidation Conditions. <i>Journal of Organic Chemistry</i> , 2014, 79, 901-907.	1.7	27
23	Total Synthesis of Hinckdentine A. <i>Organic Letters</i> , 2021, 23, 2169-2173.	2.4	27
24	Enantioselective Synthesis of Tetrahydroquinolines from 2-Aminochalcones via a Consecutive One-Pot Reaction Catalyzed by Chiral Phosphoric Acid. <i>Journal of Organic Chemistry</i> , 2018, 83, 12486-12495.	1.7	25
25	A new Brønsted acid derived from squaric acid and its application to Mukaiyama aldol and Michael reactions. <i>Tetrahedron Letters</i> , 2009, 50, 3555-3558.	0.7	24
26	Synthesis of 2-Substituted Quinolines from 2-Aminostyryl Ketones Using Iodide as a Catalyst. <i>Journal of Organic Chemistry</i> , 2018, 83, 5177-5186.	1.7	24
27	Beyond Benzoin Condensation: Trimerization of Aldehydes via Metal-Free Aerobic Oxidative Esterification of Aldehydes with Benzoin Products in the Presence of Cyanide. <i>Organic Letters</i> , 2014, 16, 2514-2517.	2.4	23
28	Real-Time Reaction Monitoring with In Operando Flow NMR and FTIR Spectroscopy: Reaction Mechanism of Benzoxazole Synthesis. <i>Analytical Chemistry</i> , 2021, 93, 2106-2113.	3.2	17
29	Enantioselective Synthesis of β -Aminotetralins via Chiral Phosphoric Acid-catalyzed Reductive Amination of β -Tetralones. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 462-467.	2.1	16
30	Modular Syntheses of Phenanthroindolizidine Natural Products. <i>Organic Letters</i> , 2019, 21, 4201-4204.	2.4	16
31	Diastereomeric Resolution of <i>rac</i> -1,1'-Bi-2-naphthol Boronic Acid with a Chiral Boron Ligand and Its Application to Simultaneous Synthesis of <i>R</i> - and <i>S</i> -3,3'-Disubstituted 1,1'-Bi-2-naphthol Derivatives. <i>Journal of Organic Chemistry</i> , 2013, 78, 7086-7092.	1.7	15
32	Concise Total Syntheses of Paullone and Kenpaullone via Cyanide-Catalyzed Intramolecular Imino-Stetter Reaction. <i>Synthesis</i> , 2017, 49, 4247-4253.	1.2	15
33	A general strategy for the synthesis of indoloquinolizine alkaloids <i>via</i> a cyanide-catalyzed imino-Stetter reaction. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 10265-10275.	1.5	15
34	Chemistry of Cyanide Adducts of Aldimines from Aniline Derivatives. <i>Chemical Record</i> , 2018, 18, 1474-1488.	2.9	15
35	Crystalline/Amorphous Ni ₂ P/Ho ₂ O ₃ Core/Shell Nanoparticles for Electrochemical Reduction of CO ₂ to Acetone. <i>ACS Applied Energy Materials</i> , 2020, 3, 11516-11522.	2.5	15
36	Total Synthesis of Iheyamine A via the Cyanide-Catalyzed Imino-Stetter Reaction. <i>Journal of Organic Chemistry</i> , 2020, 85, 8149-8156.	1.7	15

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37	Total Syntheses of <i>rac</i> - and (+)-Goniomitine. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4888-4892.	2.1	13
38	Concise Asymmetric Total Synthesis of ent-Ancistrocladinium A. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2883-2888.	2.1	12
39	Remarkable Differences in Reactivity between Benzothiazoline and Hantzsch Ester as a Hydrogen Donor in Chiral Phosphoric Acid Catalyzed Asymmetric Reductive Amination of Ketones. <i>Chemistry - an Asian Journal</i> , 2016, 11, 274-279.	1.7	12
40	Synthesis of benzo[<i>a</i>]carbazoles via cyanide-catalyzed imino-Stetter reaction/Friedel-Crafts reaction sequence. <i>Organic Chemistry Frontiers</i> , 2019, 6, 456-467.	2.3	12
41	Asymmetric Total Syntheses of Naphthylisoquinoline Alkaloids via Atroposelective Coupling Reaction Using Central Chirality as Atroposelectivity-controlling Group. <i>Organic Letters</i> , 2020, 22, 4653-4658.	2.4	12
42	General Strategy for the Synthesis of Antirhine Alkaloids: Divergent Total Syntheses of (±)-Antirhine, (±)-18,19-Dihydroantirhine, and Their 20-Epimers. <i>Organic Letters</i> , 2020, 22, 2354-2358.	2.4	12
43	Synthesis of Benzimidazole-Substituted Arylboronic Acids via Aerobic Oxidation of 1,2-Arylenediamines and Formyl-Substituted Aryl MIDA Boronates using Potassium Iodide as a Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2951-2956.	2.1	11
44	Total Synthesis of Rucaparib. <i>Journal of Organic Chemistry</i> , 2022, 87, 4813-4817.	1.7	11
45	General Methods for Synthesis of <i>N</i> -Methyliminodiacetic Acid Boronates from Unstable <i>ortho</i> -Phenolboronic Acids. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1767-1772.	2.1	10
46	Total Synthesis of Phenanthroquinolizidine Alkaloids Using a Building Block Strategy. <i>Journal of Organic Chemistry</i> , 2019, 84, 11902-11910.	1.7	10
47	Diastereomeric Resolution of a Racemic Biarylboronic Acid and Its Application to Divergent Asymmetric Total Syntheses of Some Axially Chiral Natural Products. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 549-554.	2.1	8
48	Precisely Localized Bone Regeneration Mediated by Marine-Derived Microdroplets with Superior BMP-2 Binding Affinity. <i>Small</i> , 2022, 18, e2200416.	5.2	8
49	Preparation of Building Blocks for Iterative Suzuki-Miyaura Reactions via Direct Bromination of Aryl Boronic Acids: One-Pot Total Syntheses of Dictyoterphenyls A and B. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3831-3836.	2.1	7
50	Synthesis of <i>N,N</i> -Bis(nonaflyl) Squaric Acid Diamide and its Application to Organic Reactions. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 539-540.	1.0	7
51	Synthesis of Optically Pure 3,3'-Disubstituted-1,1'-Bi-6-Methoxy-2-Phenol (BIPhOL) Derivatives via Diastereomeric Resolution. <i>Journal of Organic Chemistry</i> , 2016, 81, 8464-8469.	1.7	6
52	Metal-Free Aerobic Oxidative Esterification of Aldehydes in the Presence of Cyanide. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 2055-2061.	1.0	5
53	Concise catalytic asymmetric total syntheses of ancistrocladinium A and its atropdiastereomer. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1341-1349.	2.3	5
54	Synthesis of 2-Arylquinolines from 2-Iodoanilines and $\hat{2}$ -Chloropropiophenones via Palladium-Catalyzed Cascade Reaction. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1631-1636.	1.3	5

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55	Atroposelective Total Syntheses of Naphthylisoquinoline Alkaloids with (<i>P</i>)-Configuration. Journal of Organic Chemistry, 2020, 85, 12770-12776.	1.7	5
56	Development of Organic Transformations Based on Protodeboronation. ACS Symposium Series, 2016, , 483-523.	0.5	3
57	Synthesis of 2-Substituted Tryptamines via Cyanide-Catalyzed Imino-Stetter Reaction. Asian Journal of Organic Chemistry, 2020, 9, 2103-2107.	1.3	3
58	<i>tert</i>-Butoxide-Mediated Synthesis of 3,4-Biquinolines from 2-Aminoalcones. Advanced Synthesis and Catalysis, 2019, 361, 2360-2364.	2.1	1
59	Remarkable Differences in Reactivity between Cyanide and N-Heterocyclic Carbene in Ring-Closing Reactions of 4-(2-Formylphenoxy)but-2-enoate Derivatives. Bulletin of the Korean Chemical Society, 2021, 42, 483-485.	1.0	1
60	A Stereodivergent Strategy for Total Syntheses of Antirhine Alkaloids. Journal of Organic Chemistry, 2021, 86, 4497-4511.	1.7	1