Jin-Pei Cheng

List of Publications by Year
in descending order

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144	6,282	57631	85405
papers	citations	44 h-index	71 g-index

147	147	147	5866
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Essential Role of Bond Energetics in Câ€“H Activation/Functionalization. Chemical Reviews, 2017, 117, 8622-8648.	23.0	369
2	Hydride, Hydrogen Atom, Proton, and Electron Transfer Driving Forces of Various Five-Membered Heterocyclic Organic Hydrides and Their Reaction Intermediates in Acetonitrile. Journal of the American Chemical Society, 2008, 130, 2501-2516.	6.6	309
3	Magnetic nanoparticle supported ionic liquid catalysts for CO2 cycloaddition reactions. Green Chemistry, 2009, 11, 455.	4.6	236
4	Homolytic bond dissociation energies in solution from equilibrium acidity and electrochemical data. Journal of the American Chemical Society, 1988, 110, 1229-1231.	6.6	233
5	Phosphoric Acid Catalyzed Asymmetric 1,6â€Conjugate Addition of Thioacetic Acid to paraâ€Quinone Methides. Angewandte Chemie - International Edition, 2016, 55, 1460-1464.	7.2	202
6	An Acidity Scale of 1,3-Dialkylimidazolium Salts in Dimethyl Sulfoxide Solution. Journal of Organic Chemistry, 2007, 72, 7790-7793.	1.7	188
7	Bond dissociation energies of the nitrogen-hydrogen bonds in anilines and in the corresponding radical anions. Equilibrium acidities of aniline radical cations. Journal of Organic Chemistry, 1993, 58, 6410-6416.	1.7	156
8	Physical Organic Study of Structureâ€“Activityâ€“Enantioselectivity Relationships in Asymmetric Bifunctional Thiourea Catalysis: Hints for the Design of New Organocatalysts. Chemistry - A European Journal, 2010, 16, 450-455.	1.7	121
9	Holistic Prediction of the pK_a in Diverse Solvents Based on a Machineâ€Learning Approach. Angewandte Chemie - International Edition, 2020, 59, 19282-19291.	7.2	116
10	Asymmetric Michael Addition Reaction of 3â€Substituted Oxindoles to Nitroolefins Catalyzed by a Chiral Alkylâ€Substituted Thiourea Catalyst. Advanced Synthesis and Catalysis, 2010, 352, 416-424.	2.1	109
11	Atroposelective Catalytic Asymmetric Allylic Alkylation Reaction for Axially Chiral Anilides with Achiral Moritaâ€“Baylisâ€“Hillman Carbonates. Journal of the American Chemical Society, 2018, 140, 12836-12843.	6.6	108
12	Squaramide Equilibrium Acidities in DMSO. Organic Letters, 2014, 16, 1786-1789.	2.4	106
13	Direct Câ€“H difluoromethylation of heterocycles via organic photoredox catalysis. Nature Communications, 2020, 11, 638.	5.8	103
14	Magnetic Nanoparticleâ€Supported Moritaâ€“Baylisâ€“Hillman Catalysts. Advanced Synthesis and Catalysis, 2007, 349, 2431-2434.	2.1	98
15	Energetics of Multistep versus One-step Hydride Transfer Reactions of Reduced Nicotinamide Adenine Dinucleotide (NADH) Models with Organic Cations andp-Quinones. Journal of Organic Chemistry, 1998, 63, 6108-6114.	1.7	94
16	Heterolytic and Homolytic Yâ^'NO Bond Energy Scales of Nitroso-Containing Compounds:Â Chemical Origin of NO Release and NO Capture. Journal of the American Chemical Society, 1998, 120, 10266-10267.	6.6	80
17	Quantitative Scale for the Trifluoromethylthio Cation-Donating Ability of Electrophilic Trifluoromethylthiolating Reagents. Organic Letters, 2016, 18, 264-267.	2.4	77
18	Mechanisms of the Oxidations of NAD(P)H Model Hantzsch 1,4-Dihydropyridines by Nitric Oxide and Its DonorN-Methyl-N-nitrosotoluene-p-sulfonamide. Journal of Organic Chemistry, 2000, 65, 8158-8163.	1.7	74

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19	Establishing Cation and Radical Donor Ability Scales of Electrophilic F, CF₃, and SCF₃ Transfer Reagents. Accounts of Chemical Research, 2020, 53, 182-197.	7.6	70
20	Mechanism and Selectivity of Bioinspired Cinchona Alkaloid Derivatives Catalyzed Asymmetric Olefin Isomerization: A Computational Study. Journal of the American Chemical Society, 2013, 135, 7462-7473.	6.6	69
21	Equilibrium Acidities and Homolytic Bond Dissociation Energies (BDEs) of the Acidic Hâ^'N Bonds in Hydrazines and Hydrazides. Journal of the American Chemical Society, 1997, 119, 9125-9129.	6.6	66
22	Catalytic Asymmetric Synthesis of Chiral Benzofuranones. Advanced Synthesis and Catalysis, 2014, 356, 1172-1198.	2.1	63
23	Organocatalytic Asymmetric Sequential 1,6-Addition/Acetalization of 1-Oxotetralin-2-carbaldehyde to ortho-Hydroxyphenyl-Substituted para-Quinone Methides for Synthesis of Spiro-3,4-dihydrocoumarins. Journal of Organic Chemistry, 2018, 83, 2714-2724.	1.7	62
24	Acidities of radical cations derived from arylacetonitriles. Journal of Physical Organic Chemistry, 1988, 1, 209-223.	0.9	61
25	Mechanism of Silver-Mediated Geminal Difluorination of Styrenes with a Fluoroiodane Reagent: Insights into Lewis-Acid-Activation Model. Organic Letters, 2016, 18, 6128-6131.	2.4	59
26	Heterolytic and Homolytic Nâ^'H Bond Dissociation Energies of 4-Substituted Hantzsch 2,6-Dimethyl-1,4-dihydropyridines and the Effect of One-Electron Transfer on the Nâ^'H Bond Activation. Journal of Organic Chemistry, 2000, 65, 3853-3857.	1.7	58
27	Metal-Free Direct Câ€“H Cyanoalkylation of Quinoxalin-2(1H)-Ones by Organic Photoredox Catalysis. Journal of Organic Chemistry, 2019, 84, 7786-7795.	1.7	58
28	Nâ^'NO Bond Dissociation Energies ofN-Nitroso Diphenylamine Derivatives (Or Analogues) and Their Radical Anions:Â Implications for the Effect of Reductive Electron Transfer on Nâ^'NO Bond Activation and for the Mechanisms of NO Transfer to Nitranions. Journal of Organic Chemistry, 2000, 65, 6729-6735.	1.7	56
29	Chiral Biscinchona Alkaloid Promoted Asymmetric Allylic Alkylation of 3-Substituted Benzofuran-2(3H)-ones with Moritaâ€“Baylisâ€“Hillman Carbonates. Journal of Organic Chemistry, 2011, 76, 5838-5845.	1.7	56
30	Organocatalytic Threeâ€Component Reactions of Pyruvate, Aldehyde and Aniline by Hydrogenâ€Bonding Catalysts. European Journal of Organic Chemistry, 2008, 2008, 4350-4356.	1.2	54
31	Chemoselective catalytic hydrodefluorination of trifluoromethylalkenes towards mono-/gem-di-fluoroalkenes under metal-free conditions. Nature Communications, 2021, 12, 2835.	5.8	54
32	Highly Enantioselective Michael Addition Reactions of 3â€Substituted Benzofuranâ€2(3H)â€ones to Chalcones Catalyzed by a Chiral Alkylâ€Substituted Thiourea. Advanced Synthesis and Catalysis, 2010, 352, 1097-1101.	2.1	53
33	9,10-Dicyanoanthracene Catalyzed Decarboxylative Alkynylation of Carboxylic Acids under Visible-Light Irradiation. Journal of Organic Chemistry, 2016, 81, 12357-12363.	1.7	53
34	Mechanism and Origins of Enantioselectivities in Spirobiindane-Based Hypervalent Iodine(III)-Induced Asymmetric Dearomatizing Spirolactonizations. Journal of the American Chemical Society, 2019, 141, 16046-16056.	6.6	52
35	Enantioselective Synthesis of Dihydropyran-Fused Indoles through [4+2] Cycloaddition between Allenoates and 3-Olefinic Oxindoles. Journal of Organic Chemistry, 2015, 80, 5279-5286.	1.7	51
36	Comprehensive Energetic Scale for Quantitatively Estimating the Fluorinating Potential of Nâ€“F Reagents in Electrophilic Fluorinations. Journal of Organic Chemistry, 2016, 81, 4280-4289.	1.7	50

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37	Asymmetric Synthesis of Axially Chiral Phosphamides via Atroposelective N-Allylic Alkylation. ACS Catalysis, 2020, 10, 2324-2333.	5.5	50
38	Synthesis of Optically Enriched Spirocyclic Benzofuranâ€2â€ones by Bifunctional Thioureaâ€Base Catalyzed Doubleâ€Michael Addition of Benzofuranâ€2â€ones to Dienones. Chemistry - an Asian Journal, 2013, 8, 997-1003.	1.7	48
39	An Energetic Guide for Estimating Trifluoromethyl Cation Donor Abilities of Electrophilic Trifluoromethylating Reagents: Computations of Xâ€“CF₃ Bond Heterolytic Dissociation Enthalpies. Journal of Organic Chemistry, 2016, 81, 3119-3126.	1.7	48
40	Exploration of the Synthetic Potential of Electrophilic Trifluoromethylthiolating and Difluoromethylthiolating Reagents. Angewandte Chemie - International Edition, 2018, 57, 12690-12695.	7.2	48
41	Asymmetric Conjugate Addition of Benzofuranâ€2â€ones to Alkyl 2â€Phthalimidoacrylates: Modeling Structureâ€“Stereoselectivity Relationships with Steric and Electronic Parameters. Angewandte Chemie - International Edition, 2016, 55, 6506-6510.	7.2	47
42	Phosphoric Acid Catalyzed Asymmetric 1,6â€Conjugate Addition of Thioacetic Acid to paraâ€Quinone Methides. Angewandte Chemie, 2016, 128, 1482-1486.	1.6	47
43	Computation of pKaValues of Substituted Aniline Radical Cations in Dimethylsulfoxide Solution. Journal of Physical Chemistry A, 2007, 111, 9978-9987.	1.1	46
44	Standard pKa Scales of Carbon-Centered Indicator Acids in Ionic Liquids: Effect of Media and Structural Implication. Journal of Organic Chemistry, 2012, 77, 7291-7298.	1.7	45
45	Mechanism and Origin of the Unexpected Chemoselectivity in Fluorocyclization of o-Styryl Benzamides with a Hypervalent Fluoroiodane Reagent. Journal of Organic Chemistry, 2016, 81, 9006-9011.	1.7	45
46	Weakly Polar Aprotic Ionic Liquids Acting as Strong Dissociating Solvent: A Typical â€œIonic Liquid Effectâ€•Revealed by Accurate Measurement of Absolute pK_a of Ylide Precursor Salts. Journal of the American Chemical Society, 2016, 138, 5523-5526.	6.6	44
47	Ordering the relative power of electrophilic fluorinating, trifluoromethylating, and trifluoromethylthiolating reagents: A summary of recent efforts. Tetrahedron Letters, 2018, 59, 1278-1285.	0.7	44
48	Recent Advances and Advisable Applications of Bond Energetics in Organic Chemistry. Journal of the American Chemical Society, 2018, 140, 8611-8623.	6.6	44
49	Visible-Light-Triggered Cyanoalkylation of para-Quinone Methides and Its Application to the Synthesis of GPR40 Agonists. Organic Letters, 2019, 21, 4137-4142.	2.4	43
50	Effects of Adjacent Onium Cations and Remote Substituents on the Hâ^'A+ Bond Equilibrium Acidities in Dimethyl Sulfoxide Solution. An Extensive Ylide Thermodynamic Stability Scale and Implication for the Importance of Resonance Effect on Ylide Stabilities. Journal of Organic Chemistry, 1999, 64, 604-610.	1.7	41
51	Standard and Absolute pK_a Scales of Substituted Benzoic Acids in Room Temperature Ionic Liquids. Journal of Organic Chemistry, 2013, 78, 12487-12493.	1.7	41
52	Access to P-chiral phosphine oxides by enantioselective allylic alkylation of bisphenols. Chemical Science, 2019, 10, 4322-4327.	3.7	41
53	Acidities of radical cations derived from cyclopentadienes and 3-aryl-1,1,5,5-tetraphenyl-1,4-pentadienes. Journal of the American Chemical Society, 1988, 110, 2872-2877.	6.6	40
54	On the Direction and Magnitude of Radical Substituent Effects:Â The Role of Polar Interaction on Thermodynamic Stabilities of Benzylic Câ^'H Bonds and Related Carbon Radicals. Journal of Organic Chemistry, 2001, 66, 1466-1472.	1.7	40

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55	Chiral Primary Amineâ€“Polyoxometalate Acid Hybrids as Asymmetric Recoverable Iminiumâ€Based Catalysts. European Journal of Organic Chemistry, 2009, 2009, 4486-4493.	1.2	40
56	Asymmetric Michael Addition Reactions between 3â€Substituted Benzofuranâ€2(3H)â€ones and 1,1â€Bis(phenylsulfonyl)ethylene Catalyzed by Bifunctional Catalysts Containing Tertiary Amine and Thiourea Groups. European Journal of Organic Chemistry, 2012, 2012, 1774-1782.	1.2	40
57	A Systematic Evaluation of the Nâ€“F Bond Strength of Electrophilic Nâ€“F Reagents: Hints for Atomic Fluorine Donating Ability. Journal of Organic Chemistry, 2017, 82, 4129-4135.	1.7	40
58	B(C₆F₅)₃/Chiral Phosphoric Acid Catalyzed Ketimineâ€“Ene Reaction of 2â€Arylâ€3Hâ€indolâ€3â€ones and Î±â€Methylstyrenes. Angewandte Chemie - International Edition, 2020, 59, 4550-4556.	2.2	40
59	An Old but Simple and Efficient Method to Elucidate the Oxidation Mechanism of NAD(P)H Model 1-Aryl-1,4-dihydronicotinamides by Cations 2-Methyl-5-nitroisoquinolium, Tropylium, and Xanthylium in Aqueous Solution. Journal of Organic Chemistry, 2001, 66, 370-375.	1.7	38
60	An Acidity Scale of Triazolium-Based NHC Precursors in DMSO. Journal of Organic Chemistry, 2017, 82, 9675-9681.	1.7	38
61	Origin of Stereoselectivity of the Photoinduced Asymmetric Phase-Transfer-Catalyzed Perfluoroalkylation of Î²-Ketoesters. Journal of Organic Chemistry, 2017, 82, 9321-9327.	1.7	36
62	Theoretical Prediction of the Hydride Affinities of Variousp- ando-Quinones in DMSO. Journal of Organic Chemistry, 2007, 72, 945-956.	1.7	35
63	Mechanism and Origins of Stereoinduction in Natural Cinchona Alkaloid Catalyzed Asymmetric Electrophilic Trifluoromethylthiolation of Î²-Keto Esters with N-Trifluoromethylthiophthalimide as Electrophilic SCF₃ Source. ACS Catalysis, 2017, 7, 7977-7986.	5.5	35
64	Homolytic Cleavage Energies of Râ€H Bonds Centered on Carbon Atoms of High Electronegativity:Â First General Observations ofO-type Variation on Câ€H BDEs and the Implication for the Governing Factors Leading to the DistinctO/SPatterns of Radical Substituent Effects. Journal of the American Chemical Society, 2000, 122, 9987-9992.	6.6	34
65	A detailed investigation into the oxidation mechanism of Hantzsch 1,4-dihydropyridines by ethyl Î±-cyanocinnamates and benzylidenemalononitriles. Perkin Transactions II RSC, 2000, , 1857-1861.	1.1	33
66	Chiral Primary Amine Catalyzed Asymmetric Epoxidation of Î±â€Substituted Acroleins. European Journal of Organic Chemistry, 2010, 2010, 6840-6849.	1.2	32
67	An asymmetric allylic alkylation reaction of 3-alkylidene oxindoles. Chemical Communications, 2015, 51, 14342-14345.	2.2	32
68	Theoretical study of Lewis acid activation models for hypervalent fluoroiodane reagent: The generality of â€œF-coordinationâ€•activation model. Tetrahedron Letters, 2017, 58, 1287-1291.	0.7	32
69	Functionalized Chiral Ionic Liquid Catalyzed Asymmetric S_N1 Î±â€Alkylation of Ketones and Aldehydes. European Journal of Organic Chemistry, 2010, 2010, 4876-4885.	1.2	31
70	Amination of 3-Substituted Benzofuran-2(3H)-ones Triggered by Single-Electron Transfer. Organic Letters, 2016, 18, 1036-1039.	2.4	31
71	Understanding the role of thermodynamics in catalytic imine reductions. Chemical Society Reviews, 2019, 48, 2913-2926.	18.7	31
72	Holistic Prediction of the pK_a in Diverse Solvents Based on a Machineâ€Learning Approach. Angewandte Chemie, 2020, 132, 19444-19453.	1.6	31

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73	Establishing the Trifluoromethylthio Radical Donating Abilities of Electrophilic SCF₃-Transfer Reagents. Journal of Organic Chemistry, 2017, 82, 8697-8702.	1.7	29
74	A Nucleophilicity Scale for the Reactivity of Diazaphospholenium Hydrides: Structural Insights and Synthetic Applications. Angewandte Chemie - International Edition, 2019, 58, 5983-5987.	7.2	29
75	Organic Photocatalytic Cyclization of Polyenes: A Visibleâ€Lightâ€Mediated Radical Cascade Approach. Chemistry - A European Journal, 2015, 21, 14723-14727.	1.7	28
76	Enantioselective Organocatalyzed Vinylogous Michael Reactions of 3-Alkylidene Oxindoles with Enals. Journal of Organic Chemistry, 2017, 82, 1412-1419.	1.7	26
77	A Systematic Assessment of Trifluoromethyl Radical Donor Abilities of Electrophilic Trifluoromethylating Reagents. Asian Journal of Organic Chemistry, 2017, 6, 235-240.	1.3	26
78	N-tert-Butyl Sulfinyl Squaramide Receptors for Anion Recognition through Assisted tert-Butyl Câ€“H Hydrogen Bonding. Journal of Organic Chemistry, 2017, 82, 8662-8667.	1.7	26
79	Equilibrium Acidities of Proline Derived Organocatalysts in DMSO. Organic Letters, 2015, 17, 1196-1199.	2.4	25
80	Access to P-stereogenic compounds via desymmetrizing enantioselective bromination. Chemical Science, 2021, 12, 4582-4587.	3.7	25
81	Catalytic Asymmetric Azaâ€Dielsâ€“Alder Reaction of Ketimines and Unactivated Dienes. Angewandte Chemie - International Edition, 2021, 60, 17608-17614.	7.2	25
82	The First Oâ€“NO Bond Energy Scale in Solution:â€‰ Heterolytic and Homolytic Cleavage Enthalpies ofO-Nitrosyl Carboxylate Compounds. Organic Letters, 2000, 2, 265-268.	2.4	23
83	A Facile Aqueous Synthesis of Bis(indolâ€3â€yl)alkanes Catalyzed by Dodecylbenzenesulfonic Acid. Chinese Journal of Chemistry, 2008, 26, 2228-2232.	2.6	23
84	Chiral Amineâ€“Polyoxometalate Hybrids as Recoverable Asymmetric Enamine Catalysts under Neat and Aqueous Conditions. European Journal of Organic Chemistry, 2009, 2009, 132-140.	1.2	23
85	Bi(III)-Catalyzed Enantioselective Allylation Reactions of Ketimines. IScience, 2019, 16, 511-523.	1.9	23
86	BrÃ¶nsted Basicities and Nucleophilicities of N-Heterocyclic Olefins in Solution: N-Heterocyclic Carbene versus N-Heterocyclic Olefin. Which Is More Basic, and Which Is More Nucleophilic?. Journal of Organic Chemistry, 2021, 86, 2974-2985.	1.7	23
87	Double-Line Hammett Relationship Revealed through Precise Acidity Measurement of Benzenethiols in Neat Ionic Media: A Typical â€œIonic Liquid Effectâ€?. Organic Letters, 2014, 16, 5744-5747.	2.4	22
88	A Highly Efficient Chirality Switchable Synthesis of Dihydropyranâ€Fused Benzofurans by Fineâ€Tuning the Phenolic Proton of Î²â€Isocupreidine (Î²â€ICD) Catalyst with Methyl. Chemistry - A European Journal, 2015, 21, 10443-10449.	1.7	22
89	Enantioselective Allylation of Oxocarbenium Ions Catalyzed by Bi(OAc)₃/Chiral Phosphoric Acid. ACS Catalysis, 2020, 10, 8069-8076.	5.5	22
90	Is Amine a Stronger Base in Ionic Liquid Than in Common Molecular Solvent? An Accurate Basicity Scale of Amines. Journal of Organic Chemistry, 2015, 80, 8384-8389.	1.7	21

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91	Synthesis of porous polymer/tissue paper hybrid membranes for switchable oil/water separation. Scientific Reports, 2017, 7, 3101.	1.6	21
92	CO2 Absorption by DBU-Based Protic Ionic Liquids: Basicity of Anion Dictates the Absorption Capacity and Mechanism. Frontiers in Chemistry, 2018, 6, 658.	1.8	20
93	Diazaphosphinyl radical-catalyzed deoxygenation of Î±-carboxy ketones: a new protocol for chemo-selective Câ€“O bond scission via mechanism regulation. Chemical Science, 2020, 11, 8476-8481.	3.7	20
94	Diazaphosphinanes as hydride, hydrogen atom, proton or electron donors under transition-metal-free conditions: thermodynamics, kinetics, and synthetic applications. Chemical Science, 2020, 11, 3672-3679.	3.7	20
95	Toward Prediction of the Chemistry in Ionic Liquids: An Accurate Computation of Absolute pK_a Values of Benzoic Acids and Benzenethiols. Journal of Organic Chemistry, 2015, 80, 8997-9006.	1.7	19
96	Study on the Catalytic Behavior of Bifunctional Hydrogenâ€Bonding Catalysts Guided by Free Energy Relationship Analysis of Steric Parameters. Chemistry - A European Journal, 2017, 23, 5488-5497.	1.7	19
97	Kinetic, thermodynamic and mechanistic studies on the reduction of carbenium ions by NAD(P)H analogues. Journal of Physical Organic Chemistry, 1997, 10, 577-584.	0.9	18
98	Design and Applications of N-tert-Butyl Sulfinyl Squaramide Catalysts. Organic Letters, 2017, 19, 1926-1929.	2.4	18
99	Exploiting the radical reactivity of diazaphosphinanes in hydrodehalogenations and cascade cyclizations. Chemical Science, 2020, 11, 4786-4790.	3.7	17
100	Equilibrium Acidities and Homolytic Bond Dissociation Enthalpies of the Acidic Cî—H Bonds inAs-Substituted Triphenylarsonium and Related Cations1. Journal of Organic Chemistry, 1998, 63, 7072-7077.	1.7	16
101	Asymmetric Conjugate Addition of Benzofuranâ€2â€one to Alkyl 2â€Phthalimidoacrylates: Modeling Structureâ€Stereoselectivity Relationships with Steric and Electronic Parameters. Angewandte Chemie, 2016, 128, 6616-6620.	1.6	16
102	Unexpected solvation-stabilisation of ions in a protic ionic liquid: insights disclosed by a bond energetic study. Chemical Science, 2018, 9, 3538-3543.	3.7	16
103	Predicting Absolute Rate Constants for Huisgen Reactions of Unsaturated Iminium Ions with Diazoalkanes. Angewandte Chemie - International Edition, 2020, 59, 12527-12533.	7.2	15
104	Toward Rational Understandings of Î±-Câ€“H Functionalization: Energetic Studies of Representative Tertiary Amines. IScience, 2020, 23, 100851.	1.9	15
105	Access to Axially and Centrally Chiral Sulfinamides via Asymmetric Allylic Alkylation. Organic Letters, 2021, 23, 3997-4001.	2.4	15
106	Electrochemical behaviour of ferrocenyl-containing acyl thiourea derivatives. Transition Metal Chemistry, 1997, 22, 281-283.	0.7	14
107	Equilibrium acidities and homolytic bond dissociation enthalpies ofm- andp-substituted benzaldoximes and phenyl methyl ketoximes. Journal of Physical Organic Chemistry, 1998, 11, 10-14.	0.9	13
108	Is NO (Nitric Oxide) an Electron Acceptor or an Electrophile? A Detailed Thermodynamic Investigation on the Mechanisms of NO-Initiated Reactions with 3,6-Dibromocarbazolide Anion and Related Carbanion. Journal of Organic Chemistry, 1999, 64, 4187-4190.	1.7	13

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109	Ytterbium Triflate Catalyzed Reactions of Epoxide with Nitrogen Heterocycles Under Solvent-Free Condition. Synthetic Communications, 2003, 33, 2989-2994.	1.1	13
110	Absolute pKas of Sulfonamides in Ionic Liquids: Comparisons to Molecular Solvents. Journal of Organic Chemistry, 2016, 81, 11195-11200.	1.7	13
111	Dynamic Kinetic Resolution of Axially Chiral Naphthamides via Atroposelective Allylic Alkylation Reaction. Organic Letters, 2019, 21, 5495-5499.	2.4	13
112	The Acidities of Nucleophilic Monofluoromethylation Reagents: Anâ€‰Anomalous Îâ€Fluorine Effect. Angewandte Chemie - International Edition, 2021, 60, 9401-9406.	7.2	13
113	Diazaphospholene-Catalyzed Hydrodefluorination of Polyfluoroarenes with Phenylsilane via Concerted Nucleophilic Aromatic Substitution. Journal of Organic Chemistry, 2022, 87, 294-300.	1.7	13
114	Recent Progress in Equilibrium Acidity Studies of Organocatalysts. Synlett, 2019, 30, 1940-1949.	1.0	12
115	Quadruple hydrogen bonded self-assemblies of 5,5â€²-bisdiazo-dipyrromethane. CrystEngComm, 2008, 10, 957.	1.3	11
116	Equilibrium acidities of BINOL type chiral phenolic hydrogen bonding donors in DMSO. Organic Chemistry Frontiers, 2016, 3, 1154-1158.	2.3	11
117	Chirality Sensing of Î±-Hydroxyphosphonates by N-tert-Butyl Sulfinyl Squaramide. Organic Letters, 2017, 19, 4191-4194.	2.4	11
118	Origin of Stereocontrol in Photoredox Organocatalysis of Asymmetric Î±-Functionalizations of Aldehydes. Journal of Organic Chemistry, 2018, 83, 3333-3338.	1.7	11
119	N-Heterocyclic carbene promoted enantioselective desymmetrization reaction of diarylalkane-bisphenols. Organic Chemistry Frontiers, 2018, 5, 1101-1107.	2.3	11
120	Synthesis Of A New Series Of Cyclic Pseudopeptides Containing Pyridine As Backbone Modifier. Synthetic Communications, 1998, 28, 4639-4647.	1.1	10
121	Equilibrium acidities of cinchona alkaloid organocatalysts bearing 6â€²-hydrogen bonding donors in DMSO. Organic Chemistry Frontiers, 2016, 3, 170-176.	2.3	10
122	Quantification of the Activation Capabilities of Lewis/BrÃ¸nsted Acid for Electrophilic Trifluoromethylthiolating Reagents^{â€}. Chinese Journal of Chemistry, 2020, 38, 130-134.	2.6	10
123	B(C 6 F 5) 3 /Chiral Phosphoric Acid Catalyzed Ketimineâ€“Ene Reaction of 2â€Arylâ€3 H â€indolâ€3â€ones and Î±â€Methylstyrenes. Angewandte Chemie, 2020, 132, 4580-4586.	1.6	10
124	Recent progress in reactivity study and synthetic application of N-heterocyclic phosphorus hydrides. National Science Review, 2021, 8, nwaa253.	4.6	10
125	Unexpected Strong Acidity Enhancing the Effect in Protic Ionic Liquids Quantified by Equilibrium Acidity Studies: A Crucial Role of Cation Structures on Dictating the Solvation Properties. Journal of Organic Chemistry, 2020, 85, 3041-3049.	1.7	9
126	Polymethylene-bridged Cysteineâ€“Glycine-containing Cyclopeptides as Hydrogen-bonding Electroneutral Anion Receptors: Design, Synthesis, and Halide Ion Recognition. Supramolecular Chemistry, 2004, 16, 171-174.	1.5	8

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127	Bonding Energetics of Palladium Amido/Aryloxide Complexes in DMSO: Implications for Palladiumâ€Mediated Aniline Activation. Angewandte Chemie - International Edition, 2020, 59, 23782-23790.	7.2	8
128	DFT study of inner-sphere electron transfer in a gas-phase SN2 reaction at the saturated carbon. Physical Chemistry Chemical Physics, 2002, 4, 4669-4677.	1.3	7
129	Equilibrium Acidities of Nitroalkanes in an Ionic Liquid. Journal of Organic Chemistry, 2018, 83, 14962-14968.	1.7	7
130	Counterintuitive solvation effect of ionic-liquid/DMSO solvents on acidic Câ€“H dissociation and insight into respective solvation. Chemical Science, 2020, 11, 3365-3370.	3.7	7
131	Thermodynamic and kinetic studies of hydride transfer from Hantzsch ester under the promotion of organic bases. Organic Chemistry Frontiers, 2021, 8, 876-882.	2.3	7
132	Pseudo-Polymorphs of N,Nâ€²-Bis(4-nitrophenyl)-2,6-Pyridinedicarboxamide. Structural Chemistry, 2005, 16, 641-647.	1.0	6
133	Computational Study of the Trifluoromethyl Radical Donor Abilities of CF₃ Sources. Acta Chimica Sinica, 2018, 76, 988.	0.5	6
134	Computation of standard equilibrium acidity of Câ€“H acids in ionic media: shedding light on predicting changes of chemical behavior by switching solvent system from molecular to ionic. Organic Chemistry Frontiers, 2014, 1, 176.	2.3	5
135	Quinine-derived thiourea promoted enantioselective Michael addition reactions of 3-substituted phthalides to maleimides. Science China Chemistry, 2019, 62, 649-652.	4.2	5
136	Catalyst-free amination of Î±-cyanoarylacetates enabled by single-electron transfer. Organic Chemistry Frontiers, 2019, 6, 1900-1904.	2.3	5
137	Kinetic Resolution of Sulfinamides via Asymmetric N-Allylic Alkylation. Organic Letters, 2021, 23, 8499-8504.	2.4	4
138	Chiral pyrrolidine-azole conjugates: Simple and efficient asymmetric organocatalysts for Michael addition to nitrostyrenes. Science Bulletin, 2010, 55, 1735-1741.	1.7	2
139	A soluble polymer-supported NADH model: Synthesis and application. Science Bulletin, 2010, 55, 2824-2828.	1.7	2
140	Quantitative Thermodynamic and Kinetic Parameters of Radical. Chinese Journal of Organic Chemistry, 2021, 41, 3892.	0.6	2
141	Catalytic Asymmetric Azaâ€Dielsâ€“Alder Reaction of Ketimines and Unactivated Dienes. Angewandte Chemie, 2021, 133, 17749-17755.	1.6	2
142	A molecular half-adder and half-subtractor based on pyrylium. Science Bulletin, 2010, 55, 2799-2802.	1.7	1
143	Computational insights into the effects of reagent structure and bases on nucleophilic monofluoromethylation of aldehydes. Chinese Chemical Letters, 2021, , .	4.8	1
144	Revisiting the Reactions of Phenyl(trihalomethyl)mercury with Tetraphenylcyclone (TPCP). Journal of Chemical Research, 1999, 23, 348-349.	0.6	0