

# Jin-Pei Cheng

## List of Publications by Citations

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143  
papers

4,794  
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62  
g-index

147  
ext. papers

5,606  
ext. citations

7.6  
avg, IF

6.01  
L-index

#	Paper	IF	Citations
143	The Essential Role of Bond Energetics in C-H Activation/Functionalization. <i>Chemical Reviews</i> , <b>2017</b> , 117, 8622-8648	68.1	247
142	Hydride, hydrogen atom, proton, and electron transfer driving forces of various five-membered heterocyclic organic hydrides and their reaction intermediates in acetonitrile. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 2501-16	16.4	240
141	Magnetic nanoparticle supported ionic liquid catalysts for CO <sub>2</sub> cycloaddition reactions. <i>Green Chemistry</i> , <b>2009</b> , 11, 455	10	214
140	Homolytic bond dissociation energies in solution from equilibrium acidity and electrochemical data. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 1229-1231	16.4	205
139	An acidity scale of 1,3-dialkylimidazolium salts in dimethyl sulfoxide solution. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 7790-3	4.2	176
138	Phosphoric Acid Catalyzed Asymmetric 1,6-Conjugate Addition of Thioacetic Acid to para-Quinone Methides. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 1460-4	16.4	166
137	Bond dissociation energies of the nitrogen-hydrogen bonds in anilines and in the corresponding radical anions. Equilibrium acidities of aniline radical cations. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 6410-6416 <sup>141</sup>	4.2	141
136	Physical organic study of structure-activity-enantioselectivity relationships in asymmetric bifunctional thiourea catalysis: hints for the design of new organocatalysts. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 450-5	4.8	109
135	Asymmetric Michael Addition Reaction of 3-Substituted Oxindoles to Nitroolefins Catalyzed by a Chiral Alkyl-Substituted Thiourea Catalyst. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 416-424	5.6	106
134	Squaramide equilibrium acidities in DMSO. <i>Organic Letters</i> , <b>2014</b> , 16, 1786-9	6.2	92
133	Magnetic Nanoparticle-Supported Morita-Baylis-Hillman Catalysts. <i>Advanced Synthesis and Catalysis</i> , <b>2007</b> , 349, 2431-2434	5.6	89
132	Energetics of Multistep versus One-step Hydride Transfer Reactions of Reduced Nicotinamide Adenine Dinucleotide (NADH) Models with Organic Cations and p-Quinones. <i>Journal of Organic Chemistry</i> , <b>1998</b> , 63, 6108-6114	4.2	82
131	Heterolytic and Homolytic Y-N-O Bond Energy Scales of Nitroso-Containing Compounds: Chemical Origin of NO Release and NO Capture. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 10266-10267 <sup>16.4</sup>	16.4	73
130	Quantitative Scale for the Trifluoromethylthio Cation-Donating Ability of Electrophilic Trifluoromethylthiolating Reagents. <i>Organic Letters</i> , <b>2016</b> , 18, 264-7	6.2	67
129	Mechanisms of the oxidations of NAD(P)H model Hantzsch 1,4-dihydropyridines by nitric oxide and its donor N-methyl-N-nitrosotoluene-p-sulfonamide. <i>Journal of Organic Chemistry</i> , <b>2000</b> , 65, 8158-63	4.2	66
128	Atroposelective Catalytic Asymmetric Allylic Alkylation Reaction for Axially Chiral Anilides with Achiral Morita-Baylis-Hillman Carbonates. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 12836-12843 <sup>16.4</sup>	16.4	61
127	Acidities of radical cations derived from arylacetonitriles. <i>Journal of Physical Organic Chemistry</i> , <b>1988</b> , 1, 209-223	2.1	57

126	Mechanism and selectivity of bioinspired cinchona alkaloid derivatives catalyzed asymmetric olefin isomerization: a computational study. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 7462-73	16.4	56
125	Equilibrium Acidities and Homolytic Bond Dissociation Energies (BDEs) of the Acidic H <sup>+</sup> Bonds in Hydrazines and Hydrazides. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 9125-9129	16.4	55
124	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. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 2714-2724	4.2	54
123	Heterolytic and homolytic N-H bond dissociation energies of 4-substituted Hantzsch 2,6-dimethyl-1,4-dihydropyridines and the effect of one-electron transfer on the N-H bond activation. <i>Journal of Organic Chemistry</i> , <b>2000</b> , 65, 3853-7	4.2	51
122	Chiral biscinchona alkaloid promoted asymmetric allylic alkylation of 3-substituted benzofuran-2(3H)-ones with Morita-Baylis-Hillman carbonates. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 5838-45	4.2	50
121	Mechanism of Silver-Mediated Geminal Difluorination of Styrenes with a Fluoroiodane Reagent: Insights into Lewis-Acid-Activation Model. <i>Organic Letters</i> , <b>2016</b> , 18, 6128-6131	6.2	49
120	Catalytic Asymmetric Synthesis of Chiral Benzofuranones. <i>Advanced Synthesis and Catalysis</i> , <b>2014</b> , 356, 1172-1198	5.6	49
119	Highly Enantioselective Michael Addition Reactions of 3-Substituted Benzofuran-2(3H)-ones to Chalcones Catalyzed by a Chiral Alkyl-Substituted Thiourea. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 1097-1101	5.6	48
118	N-NO bond dissociation energies of N-nitroso diphenylamine derivatives (or analogues) and their radical anions: implications for the effect of reductive electron transfer on N-NO bond activation and for the mechanisms of NO transfer to nitranions. <i>Journal of Organic Chemistry</i> , <b>2000</b> , 65, 6729-35	4.2	48
117	Standard pK(a) scales of carbon-centered indicator acids in ionic liquids: effect of media and structural implication. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 7291-8	4.2	44
116	Computation of pKa values of substituted aniline radical cations in dimethylsulfoxide solution. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 9978-87	2.8	44
115	Organocatalytic Three-Component Reactions of Pyruvate, Aldehyde and Aniline by Hydrogen-Bonding Catalysts. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 4350-4356	3.2	44
114	Enantioselective Synthesis of Dihydropyran-Fused Indoles through [4+2] Cycloaddition between Allenolates and 3-Olefinic Oxindoles. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 5279-86	4.2	43
113	9,10-Dicyanoanthracene Catalyzed Decarboxylative Alkynylation of Carboxylic Acids under Visible-Light Irradiation. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 12357-12363	4.2	43
112	Metal-Free Direct C-H Cyanoalkylation of Quinoxalin-2(1 H)-Ones by Organic Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 7786-7795	4.2	42
111	Synthesis of optically enriched spirocyclic benzofuran-2-ones by bifunctional thiourea-base catalyzed double-Michael addition of benzofuran-2-ones to dienones. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 997-1003	4.5	42
110	Direct C-H difluoromethylation of heterocycles via organic photoredox catalysis. <i>Nature Communications</i> , <b>2020</b> , 11, 638	17.4	42
109	Mechanism and Origin of the Unexpected Chemoselectivity in Fluorocyclization of o-Styryl Benzamides with a Hypervalent Fluoroiodane Reagent. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 9006-9014	4.2	39

108	Phosphoric Acid Catalyzed Asymmetric 1,6-Conjugate Addition of Thioacetic Acid to para-Quinone Methides. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 1482-1486	3.6	38
107	An Energetic Guide for Estimating Trifluoromethyl Cation Donor Abilities of Electrophilic Trifluoromethylating Reagents: Computations of X-CF <sub>3</sub> Bond Heterolytic Dissociation Enthalpies. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 3119-26	4.2	38
106	Chiral Primary Amine-Polyoxometalate Acid Hybrids as Asymmetric Recoverable Iminium-Based Catalysts. <i>European Journal of Organic Chemistry</i> , <b>2009</b> , 2009, 4486-4493	3.2	38
105	On the direction and magnitude of radical substituent effects: the role of polar interaction on thermodynamic stabilities of benzylic C-H bonds and related carbon radicals. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 1466-72	4.2	38
104	Asymmetric Conjugate Addition of Benzofuran-2-ones to Alkyl 2-Phthalimidoacrylates: Modeling Structure-Stereoselectivity Relationships with Steric and Electronic Parameters. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6506-10	16.4	37
103	Asymmetric Michael Addition Reactions between 3-Substituted Benzofuran-2(3H)-ones and 1,1-Bis(phenylsulfonyl)ethylene Catalyzed by Bifunctional Catalysts Containing Tertiary Amine and Thiourea Groups. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 1774-1782	3.2	36
102	Effects of Adjacent Onium Cations and Remote Substituents on the H <sup>+</sup> Bond Equilibrium Acidities in Dimethyl Sulfoxide Solution. An Extensive Ylide Thermodynamic Stability Scale and Implication for the Importance of Resonance Effect on Ylide Stabilities. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 604-610	4.2	36
101	Acidities of radical cations derived from cyclopentadienes and 3-aryl-1,1,5,5-tetraphenyl-1,4-pentadienes. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 2872-2877	16.4	36
100	Standard and absolute pK <sub>a</sub> scales of substituted benzoic acids in room temperature ionic liquids. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 12487-93	4.2	35
99	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. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 370-5	4.2	35
98	Comprehensive Energetic Scale for Quantitatively Estimating the Fluorinating Potential of N-F Reagents in Electrophilic Fluorinations. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 4280-9	4.2	35
97	Establishing Cation and Radical Donor Ability Scales of Electrophilic F, CF, and SCF Transfer Reagents. <i>Accounts of Chemical Research</i> , <b>2020</b> , 53, 182-197	24.3	34
96	Weakly Polar Aprotic Ionic Liquids Acting as Strong Dissociating Solvent: A Typical "Ionic Liquid Effect" Revealed by Accurate Measurement of Absolute pK <sub>a</sub> of Ylide Precursor Salts. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5523-6	16.4	33
95	Recent Advances and Advisable Applications of Bond Energetics in Organic Chemistry. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 8611-8623	16.4	32
94	Theoretical prediction of the hydride affinities of various p- and o-quinones in DMSO. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 945-56	4.2	32
93	Holistic Prediction of the pK in Diverse Solvents Based on a Machine-Learning Approach. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19282-19291	16.4	32
92	Mechanism and Origins of Enantioselectivities in Spirobiindane-Based Hypervalent Iodine(III)-Induced Asymmetric Dearomatizing Spirolactonizations. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 16046-16056	16.4	31
91	A Systematic Evaluation of the N-F Bond Strength of Electrophilic N-F Reagents: Hints for Atomic Fluorine Donating Ability. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 4129-4135	4.2	30

90	Functionalized Chiral Ionic Liquid Catalyzed Asymmetric SN1 Alkylation of Ketones and Aldehydes. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 4876-4885	3.2	30
89	Mechanism and Origins of Stereinduction in Natural Cinchona Alkaloid Catalyzed Asymmetric Electrophilic Trifluoromethylthiolation of $\alpha$ -Keto Esters with N-Trifluoromethylthiophthalimide as Electrophilic SCF <sub>3</sub> Source. <i>ACS Catalysis</i> , <b>2017</b> , 7, 7977-7986	13.1	29
88	Exploration of the Synthetic Potential of Electrophilic Trifluoromethylthiolating and Difluoromethylthiolating Reagents. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 12690-12695	16.4	29
87	Homolytic Cleavage Energies of R-H Bonds Centered on Carbon Atoms of High Electronegativity: First General Observations of O-type Variation on C-H BDEs and the Implication for the Governing Factors Leading to the Distinct O/S Patterns of Radical Substituent Effects. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 9987-9992	16.4	29
86	Visible-Light-Triggered Cyanoalkylation of para-Quinone Methides and Its Application to the Synthesis of GPR40 Agonists. <i>Organic Letters</i> , <b>2019</b> , 21, 4137-4142	6.2	28
85	Ordering the relative power of electrophilic fluorinating, trifluoromethylating, and trifluoromethylthiolating reagents: A summary of recent efforts. <i>Tetrahedron Letters</i> , <b>2018</b> , 59, 1278-1285	2.8	28
84	An Acidity Scale of Triazolium-Based NHC Precursors in DMSO. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 9675-9681	4.2	27
83	Chiral Primary Amine Catalyzed Asymmetric Epoxidation of $\beta$ -Substituted Acroleins. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 6840-6849	3.2	27
82	An asymmetric allylic alkylation reaction of 3-alkylidene oxindoles. <i>Chemical Communications</i> , <b>2015</b> , 51, 14342-5	5.8	26
81	Origin of Stereoselectivity of the Photoinduced Asymmetric Phase-Transfer-Catalyzed Perfluoroalkylation of $\alpha$ -Ketoesters. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 9321-9327	4.2	26
80	A detailed investigation into the oxidation mechanism of Hantzsch 1,4-dihydropyridines by ethyl $\beta$ -cyanocinnamates and benzylidenemalononitriles. <i>Perkin Transactions II RSC</i> , <b>2000</b> , 1857-1861		26
79	Theoretical study of Lewis acid activation models for hypervalent fluoroiodane reagent: The generality of $\pi$ -coordination activation model. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 1287-1291	2	25
78	Access to P-chiral phosphine oxides by enantioselective allylic alkylation of bisphenols. <i>Chemical Science</i> , <b>2019</b> , 10, 4322-4327	9.4	24
77	Establishing the Trifluoromethylthio Radical Donating Abilities of Electrophilic SCF-Transfer Reagents. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 8697-8702	4.2	23
76	Enantioselective Organocatalyzed Vinylogous Michael Reactions of 3-Alkylidene Oxindoles with Enals. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 1412-1419	4.2	22
75	Is Amine a Stronger Base in Ionic Liquid Than in Common Molecular Solvent? An Accurate Basicity Scale of Amines. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 8384-9	4.2	21
74	Double-line Hammett relationship revealed through precise acidity measurement of benzenethiols in neat ionic media: a typical "ionic liquid effect"? <i>Organic Letters</i> , <b>2014</b> , 16, 5744-7	6.2	21
73	A Highly Efficient Chirality Switchable Synthesis of Dihydropyran-Fused Benzofurans by Fine-Tuning the Phenolic Proton of $\beta$ -socupeidine ( $\beta$ -CD) Catalyst with Methyl. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 10443-9	4.8	21

72	A Facile Aqueous Synthesis of Bis(indol-3-yl)alkanes Catalyzed by Dodecylbenzenesulfonic Acid. <i>Chinese Journal of Chemistry</i> , <b>2008</b> , 26, 2228-2232	4.9	21
71	The first O-NO bond energy scale in solution: heterolytic and homolytic cleavage enthalpies of O-nitrosyl carboxylate compounds. <i>Organic Letters</i> , <b>2000</b> , 2, 265-8	6.2	21
70	Understanding the role of thermodynamics in catalytic imine reductions. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 2913-2926	58.5	20
69	A Nucleophilicity Scale for the Reactivity of Diazaphospholenium Hydrides: Structural Insights and Synthetic Applications. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 5983-5987	16.4	20
68	Organic Photocatalytic Cyclization of Polyenes: A Visible-Light-Mediated Radical Cascade Approach. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 14723-7	4.8	20
67	Asymmetric Synthesis of Axially Chiral Phosphamides via Atroposelective N-Allylic Alkylation. <i>ACS Catalysis</i> , <b>2020</b> , 10, 2324-2333	13.1	20
66	Amination of 3-Substituted Benzofuran-2(3H)-ones Triggered by Single-Electron Transfer. <i>Organic Letters</i> , <b>2016</b> , 18, 1036-9	6.2	20
65	A Systematic Assessment of Trifluoromethyl Radical Donor Abilities of Electrophilic Trifluoromethylating Reagents. <i>Asian Journal of Organic Chemistry</i> , <b>2017</b> , 6, 235-240	3	19
64	Toward Prediction of the Chemistry in Ionic Liquids: An Accurate Computation of Absolute pK(a) Values of Benzoic Acids and Benzenethiols. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 8997-9006	4.2	18
63	B(C F )/Chiral Phosphoric Acid Catalyzed Ketimine-Ene Reaction of 2-Aryl-3H-indol-3-ones and $\beta$ -Methylstyrenes. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4550-4556	16.4	18
62	Bi(III)-Catalyzed Enantioselective Allylation Reactions of Ketimines. <i>IScience</i> , <b>2019</b> , 16, 511-523	6.1	17
61	Equilibrium acidities of proline derived organocatalysts in DMSO. <i>Organic Letters</i> , <b>2015</b> , 17, 1196-9	6.2	17
60	Synthesis of porous polymer/tissue paper hybrid membranes for switchable oil/water separation. <i>Scientific Reports</i> , <b>2017</b> , 7, 3101	4.9	16
59	Kinetic, thermodynamic and mechanistic studies on the reduction of carbenium ions by NAD(P)H analogues. <i>Journal of Physical Organic Chemistry</i> , <b>1997</b> , 10, 577-584	2.1	16
58	Study on the Catalytic Behavior of Bifunctional Hydrogen-Bonding Catalysts Guided by Free Energy Relationship Analysis of Steric Parameters. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 5488-5497	4.8	15
57	N-tert-Butyl Sulfinyl Squaramide Receptors for Anion Recognition through Assisted tert-Butyl C-H Hydrogen Bonding. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 8662-8667	4.2	15
56	Equilibrium Acidities and Homolytic Bond Dissociation Enthalpies of the Acidic C-H Bonds in As-Substituted Triphenylarsonium and Related Cations(1). <i>Journal of Organic Chemistry</i> , <b>1998</b> , 63, 7072-7077	4.7	15
55	Enantioselective Allylation of Oxocarbenium Ions Catalyzed by Bi(OAc) <sub>3</sub> /Chiral Phosphoric Acid. <i>ACS Catalysis</i> , <b>2020</b> , 10, 8069-8076	13.1	14

54	Chemoselective catalytic hydrodefluorination of trifluoromethylalkenes towards mono-/gem-di-fluoroalkenes under metal-free conditions. <i>Nature Communications</i> , <b>2021</b> , 12, 2835	17.4	14
53	Unexpected solvation-stabilisation of ions in a protic ionic liquid: insights disclosed by a bond energetic study. <i>Chemical Science</i> , <b>2018</b> , 9, 3538-3543	9.4	13
52	Electrochemical behaviour of ferrocenyl-containing acyl thiourea derivatives. <i>Transition Metal Chemistry</i> , <b>1997</b> , 22, 281-283	2.1	13
51	Equilibrium acidities and homolytic bond dissociation enthalpies of m- and p-substituted benzaldoximes and phenyl methyl ketoximes. <i>Journal of Physical Organic Chemistry</i> , <b>1998</b> , 11, 10-14	2.1	13
50	CO Absorption by DBU-Based Protic Ionic Liquids: Basicity of Anion Dictates the Absorption Capacity and Mechanism. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 658	5	13
49	Design and Applications of N-tert-Butyl Sulfinyl Squaramide Catalysts. <i>Organic Letters</i> , <b>2017</b> , 19, 1926-1929		12
48	Asymmetric Conjugate Addition of Benzofuran-2-ones to Alkyl 2-Phthalimidoacrylates: Modeling StructureStereoselectivity Relationships with Steric and Electronic Parameters. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6616-6620	3.6	12
47	Ytterbium Triflate Catalyzed Reactions of Epoxide with Nitrogen Heterocycles Under Solvent-Free Condition. <i>Synthetic Communications</i> , <b>2003</b> , 33, 2989-2994	1.7	12
46	Is NO (Nitric Oxide) an Electron Acceptor or an Electrophile? A Detailed Thermodynamic Investigation on the Mechanisms of NO-Initiated Reactions with 3,6-Dibromocarbazolidine Anion and Related Carbanion. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 4187-4190	4.2	11
45	Absolute pKs of Sulfonamides in Ionic Liquids: Comparisons to Molecular Solvents. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 11195-11200	4.2	11
44	Predicting Absolute Rate Constants for Huisgen Reactions of Unsaturated Iminium Ions with Diazoalkanes. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 12527-12533	16.4	10
43	Diazaphosphanes as hydride, hydrogen atom, proton or electron donors under transition-metal-free conditions: thermodynamics, kinetics, and synthetic applications. <i>Chemical Science</i> , <b>2020</b> , 11, 3672-3679	9.4	10
42	Equilibrium acidities of cinchona alkaloid organocatalysts bearing 6?-hydrogen bonding donors in DMSO. <i>Organic Chemistry Frontiers</i> , <b>2016</b> , 3, 170-176	5.2	10
41	Toward Rational Understandings of C-H Functionalization: Energetic Studies of Representative Tertiary Amines. <i>IScience</i> , <b>2020</b> , 23, 100851	6.1	9
40	Chirality Sensing of H-Hydroxyphosphonates by N-tert-Butyl Sulfinyl Squaramide. <i>Organic Letters</i> , <b>2017</b> , 19, 4191-4194	6.2	9
39	Quadruple hydrogen bonded self-assemblies of 5,5?-bisdiazo-dipyrromethane. <i>CrystEngComm</i> , <b>2008</b> , 10, 957	3.3	9
38	Holistic Prediction of the pKa in Diverse Solvents Based on a Machine-Learning Approach. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 19444-19453	3.6	9
37	Equilibrium acidities of BINOL type chiral phenolic hydrogen bonding donors in DMSO. <i>Organic Chemistry Frontiers</i> , <b>2016</b> , 3, 1154-1158	5.2	9

36	Brønsted 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?. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 2974-2985	4.2	9
35	Dynamic Kinetic Resolution of Axially Chiral Naphthamides via Atroposelective Allylic Alkylation Reaction. <i>Organic Letters</i> , <b>2019</b> , 21, 5495-5499	6.2	8
34	Chiral Amine-Polyoxometalate Hybrids as Recoverable Asymmetric Enamine Catalysts under Neat and Aqueous Conditions. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2009, 132-140	3.2	8
33	B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> /Chiral Phosphoric Acid Catalyzed Ketimine-Ene Reaction of 2-Aryl-3H-indol-3-ones and $\beta$ -Methylstyrenes. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 4580-4586	3.6	7
32	Exploiting the radical reactivity of diazaphosphanes in hydrodehalogenations and cascade cyclizations. <i>Chemical Science</i> , <b>2020</b> , 11, 4786-4790	9.4	7
31	Polymethylene-bridged Cystine-L-cysteine-containing Cyclopeptides as Hydrogen-bonding Electroneutral Anion Receptors: Design, Synthesis, and Halide Ion Recognition. <i>Supramolecular Chemistry</i> , <b>2004</b> , 16, 171-174	1.8	7
30	DFT study of inner-sphere electron transfer in a gas-phase S <sub>N</sub> 2 reaction at the saturated carbon. <i>Physical Chemistry Chemical Physics</i> , <b>2002</b> , 4, 4669-4677	3.6	7
29	Synthesis Of A New Series Of Cyclic Pseudopeptides Containing Pyridine As Backbone Modifier. <i>Synthetic Communications</i> , <b>1998</b> , 28, 4639-4647	1.7	7
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