

# Jin-Pei Cheng

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1831426/jin-pei-cheng-publications-by-year.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

143  
papers

4,794  
citations

38  
h-index

62  
g-index

147  
ext. papers

5,606  
ext. citations

7.6  
avg, IF

6.01  
L-index

#	Paper	IF	Citations
143	Kinetic Resolution of Sulfinamides via Asymmetric $\alpha$ -Allylic Alkylation. <i>Organic Letters</i> , <b>2021</b> , 23, 8499-8504	4.2	0
142	The Acidities of Nucleophilic Monofluoromethylation Reagents: An Anomalous $\beta$ -Fluorine Effect. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 9401-9406	16.4	6
141	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
140	Access to Axially and Centrally Chiral Sulfinamides via Asymmetric Allylic Alkylation. <i>Organic Letters</i> , <b>2021</b> , 23, 3997-4001	6.2	2
139	Catalytic Asymmetric Aza-Diels-Alder Reaction of Ketimines and Unactivated Dienes. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 17749-17755	3.6	0
138	Catalytic Asymmetric Aza-Diels-Alder Reaction of Ketimines and Unactivated Dienes. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 17608-17614	16.4	1
137	Recent progress in reactivity study and synthetic application of N-heterocyclic phosphorus hydrides. <i>National Science Review</i> , <b>2021</b> , 8, nwaa253	10.8	3
136	Thermodynamic and kinetic studies of hydride transfer from Hantzsch ester under the promotion of organic bases. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 876-882	5.2	2
135	Quantitative Thermodynamic and Kinetic Parameters of Radical. <i>Chinese Journal of Organic Chemistry</i> , <b>2021</b> , 41, 3892	3	0
134	Access to $\beta$ -stereogenic compounds desymmetrizing enantioselective bromination. <i>Chemical Science</i> , <b>2021</b> , 12, 4582-4587	9.4	5
133	DFT Modeling of Catalytic Fluorination Reactions: Mechanisms, Reactivities, and Selectivities <b>2021</b> , 307-362		
132	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
131	Counterintuitive solvation effect of ionic-liquid/DMSO solvents on acidic C-H dissociation and insight into respective solvation. <i>Chemical Science</i> , <b>2020</b> , 11, 3365-3370	9.4	4
130	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
129	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
128	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
127	Toward Rational Understandings of $\beta$ -C-H Functionalization: Energetic Studies of Representative Tertiary Amines. <i>Science</i> , <b>2020</b> , 23, 100851	6.1	9

126	B(C6F5) <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
125	Asymmetric Synthesis of Axially Chiral Phosphamides via Atroposelective N-Allylic Alkylation. <i>ACS Catalysis</i> , <b>2020</b> , 10, 2324-2333	13.1	20
124	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
123	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. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 3041-3049	4.2	4
122	Exploiting the radical reactivity of diazaphosphanes in hydrodehalogenations and cascade cyclizations. <i>Chemical Science</i> , <b>2020</b> , 11, 4786-4790	9.4	7
121	Direct C-H difluoromethylation of heterocycles via organic photoredox catalysis. <i>Nature Communications</i> , <b>2020</b> , 11, 638	17.4	42
120	Quantification of the Activation Capabilities of Lewis/Brønsted Acid for Electrophilic Trifluoromethylthiolating Reagents. <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 130-134	4.9	5
119	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
118	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
117	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
116	Diazaphosphinyl radical-catalyzed deoxygenation of $\beta$ -carboxy ketones: a new protocol for chemo-selective C-O bond scission mechanism regulation. <i>Chemical Science</i> , <b>2020</b> , 11, 8476-8481	9.4	7
115	Bonding Energetics of Palladium Amido/Aryloxy Complexes in DMSO: Implications for Palladium-Mediated Aniline Activation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 23782-23790	16.4	2
114	Quinine-derived thiourea promoted enantioselective Michael addition reactions of 3-substituted phthalides to maleimides. <i>Science China Chemistry</i> , <b>2019</b> , 62, 649-652	7.9	2
113	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
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	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
110	Understanding the role of thermodynamics in catalytic imine reductions. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 2913-2926	58.5	20
109	Catalyst-free amination of $\beta$ -cyanoarylacrylates enabled by single-electron transfer. <i>Organic Chemistry Frontiers</i> , <b>2019</b> , 6, 1900-1904	5.2	3

108	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
107	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
106	Recent Progress in Equilibrium Acidity Studies of Organocatalysts. <i>Synlett</i> , <b>2019</b> , 30, 1940-1949	2.2	6
105	Bi(III)-Catalyzed Enantioselective Allylation Reactions of Ketimines. <i>IScience</i> , <b>2019</b> , 16, 511-523	6.1	17
104	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
103	Origin of Stereocontrol in Photoredox Organocatalysis of Asymmetric $\alpha$ -Functionalizations of Aldehydes. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 3333-3338	4.2	6
102	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
101	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	28
100	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
99	N-Heterocyclic carbene promoted enantioselective desymmetrization reaction of diarylalkane-bisphenols. <i>Organic Chemistry Frontiers</i> , <b>2018</b> , 5, 1101-1107	5.2	5
98	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
97	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
96	Computational Study of the Trifluoromethyl Radical Donor Abilities of CF <sub>3</sub> Sources. <i>Acta Chimica Sinica</i> , <b>2018</b> , 76, 988	3.3	5
95	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
94	Equilibrium Acidities of Nitroalkanes in an Ionic Liquid. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 14962-14968	4.2	3
93	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	16.4	61
92	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
91	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

90	The Essential Role of Bond Energetics in C-H Activation/Functionalization. <i>Chemical Reviews</i> , <b>2017</b> , 117, 8622-8648	68.1	247
89	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
88	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
87	Design and Applications of N-tert-Butyl Sulfinyl Squaramide Catalysts. <i>Organic Letters</i> , <b>2017</b> , 19, 1926-1929	13.1	12
86	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
85	Mechanism and Origins of Stereoselection 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
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	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
82	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
81	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
80	Chirality Sensing of $\beta$ -Hydroxyphosphonates by N-tert-Butyl Sulfinyl Squaramide. <i>Organic Letters</i> , <b>2017</b> , 19, 4191-4194	6.2	9
79	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
78	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
77	Asymmetric Conjugate Addition of Benzofuran-2-ones to Alkyl 2-Phthalimidoacrylates: Modeling Structure-Stereoselectivity Relationships with Steric and Electronic Parameters. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6616-6620	3.6	12
76	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
75	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
74	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
73	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

72	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
71	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
70	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
69	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
68	Weakly Polar Aprotic Ionic Liquids Acting as Strong Dissociating Solvent: A Typical "Ionic Liquid Effect" Revealed by Accurate Measurement of Absolute pKa of Ylide Precursor Salts. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5523-6	16.4	33
67	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
66	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
65	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
64	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
63	An asymmetric allylic alkylation reaction of 3-alkylidene oxindoles. <i>Chemical Communications</i> , <b>2015</b> , 51, 14342-5	5.8	26
62	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
61	Enantioselective Synthesis of Dihydropyran-Fused Indoles through [4+2] Cycloaddition between Allenates and 3-Olefinic Oxindoles. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 5279-86	4.2	43
60	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
59	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
58	A Highly Efficient Chirality Switchable Synthesis of Dihydropyran-Fused Benzofurans by Fine-Tuning the Phenolic Proton of $\beta$ -socupreidine ( $\beta$ CD) Catalyst with Methyl. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 10443-9	4.8	21
57	Equilibrium acidities of proline derived organocatalysts in DMSO. <i>Organic Letters</i> , <b>2015</b> , 17, 1196-9	6.2	17
56	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
55	Computation of standard equilibrium acidity of C $\beta$ acids in ionic media: shedding light on predicting changes of chemical behavior by switching solvent system from molecular to ionic. <i>Organic Chemistry Frontiers</i> , <b>2014</b> , 1, 176	5.2	5

54	Squaramide equilibrium acidities in DMSO. <i>Organic Letters</i> , <b>2014</b> , 16, 1786-9	6.2	92
53	Catalytic Asymmetric Synthesis of Chiral Benzofuranones. <i>Advanced Synthesis and Catalysis</i> , <b>2014</b> , 356, 1172-1198	5.6	49
52	Standard and absolute pKa 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
51	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
50	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
49	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
48	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
47	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
46	Chiral pyrrolidine-azole conjugates: Simple and efficient asymmetric organocatalysts for Michael addition to nitrostyrenes. <i>Science Bulletin</i> , <b>2010</b> , 55, 1735-1741		2
45	A soluble polymer-supported NADH model: Synthesis and application. <i>Science Bulletin</i> , <b>2010</b> , 55, 2824-2828		2
44	A molecular half-adder and half-subtractor based on pyrylium. <i>Science Bulletin</i> , <b>2010</b> , 55, 2799-2802		1
43	Functionalized Chiral Ionic Liquid Catalyzed Asymmetric SN1 $\alpha$ -Alkylation of Ketones and Aldehydes. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 4876-4885	3.2	30
42	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
41	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
40	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
39	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
38	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
37	Magnetic nanoparticle supported ionic liquid catalysts for CO <sub>2</sub> cycloaddition reactions. <i>Green Chemistry</i> , <b>2009</b> , 11, 455	10	214

36	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
35	Quadruple hydrogen bonded self-assemblies of 5,5'-bis(diazo-dipyrromethane). <i>CrystEngComm</i> , <b>2008</b> , 10, 957	3.3	9
34	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
33	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
32	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
31	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
30	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
29	Magnetic Nanoparticle-Supported Morita-Baylis-Hillman Catalysts. <i>Advanced Synthesis and Catalysis</i> , <b>2007</b> , 349, 2431-2434	5.6	89
28	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
27	Pseudo-Polymorphs of N,N'-Bis(4-nitrophenyl)-2,6-Pyridinedicarboxamide. <i>Structural Chemistry</i> , <b>2005</b> , 16, 641-647	1.8	6
26	Polymethylene-bridged Cysteine-Lysine-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
25	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
24	DFT study of inner-sphere electron transfer in a gas-phase SN2 reaction at the saturated carbon. <i>Physical Chemistry Chemical Physics</i> , <b>2002</b> , 4, 4669-4677	3.6	7
23	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
22	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
21	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
20	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
19	A detailed investigation into the oxidation mechanism of Hantzsch 1,4-dihydropyridines by ethyl $\alpha$ -cyanocinnamates and benzylidenemalononitriles. <i>Perkin Transactions II RSC</i> , <b>2000</b> , 1857-1861		26



18	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
17	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, 6667-6672	16.4	29
16	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
15	Effects of Adjacent Onium Cations and Remote Substituents on the H-A <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>2000</b> , 65, 6736-6742	4.2	36
14	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
13	Revisiting the Reactions of Phenyl(trihalomethyl)mercury with Tetraphenylcyclone (TPCP). <i>Journal of Chemical Research</i> , <b>1999</b> , 23, 348-349	0.6	
12	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
11	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
10	Heterolytic and Homolytic Y-NO 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	16.4	73
9	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	4.2	15
8	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
7	Equilibrium Acidities and Homolytic Bond Dissociation Energies (BDEs) of the Acidic H-N Bonds in Hydrazines and Hydrazides. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 9125-9129	16.4	55
6	Electrochemical behaviour of ferrocenyl-containing acyl thiourea derivatives. <i>Transition Metal Chemistry</i> , <b>1997</b> , 22, 281-283	2.1	13
5	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
4	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	4.2	141
3	Acidities of radical cations derived from arylacetonitriles. <i>Journal of Physical Organic Chemistry</i> , <b>1988</b> , 1, 209-223	2.1	57
2	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
1	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

