

Pengju Ji

List of Publications by Year in descending order

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27
papers

962
citations

471477

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580810

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32
times ranked

1178
citing authors

#	ARTICLE	IF	CITATIONS
1	The Essential Role of Bond Energetics in C-H Activation/Functionalization. <i>Chemical Reviews</i> , 2017, 117, 8622-8648.	47.7	369
2	Copper(I)-Catalyzed Amination of Aryl Halides in Liquid Ammonia. <i>Journal of Organic Chemistry</i> , 2012, 77, 7471-7478.	3.2	74
3	The Kinetics and Mechanisms of Aromatic Nucleophilic Substitution Reactions in Liquid Ammonia. <i>Journal of Organic Chemistry</i> , 2011, 76, 3286-3295.	3.2	47
4	Weakly Polar Aprotic Ionic Liquids Acting as Strong Dissociating Solvent: A Typical α -Ionic Liquid Effect Revealed by Accurate Measurement of Absolute pK_a of Ylide Precursor Salts. <i>Journal of the American Chemical Society</i> , 2016, 138, 5523-5526.	13.7	44
5	Recent Advances and Advisable Applications of Bond Energetics in Organic Chemistry. <i>Journal of the American Chemical Society</i> , 2018, 140, 8611-8623.	13.7	44
6	Standard and Absolute pK_a Scales of Substituted Benzoic Acids in Room Temperature Ionic Liquids. <i>Journal of Organic Chemistry</i> , 2013, 78, 12487-12493.	3.2	41
7	Acidity Scale of N-Heterocyclic Carbene Precursors: Can We Predict the Stability of NHC-CO ₂ Adducts?. <i>Organic Letters</i> , 2018, 20, 6041-6045.	4.6	32
8	Organic reactivity in liquid ammonia. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5732.	2.8	23
9	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> , 2021, 86, 2974-2985.	3.2	23
10	Double-Line Hammett Relationship Revealed through Precise Acidity Measurement of Benzenethiols in Neat Ionic Media: A Typical α -Ionic Liquid Effect?. <i>Organic Letters</i> , 2014, 16, 5744-5747.	4.6	22
11	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> , 2015, 80, 8384-8389.	3.2	21
12	Copper catalysed azide-alkyne cycloaddition (CuAAC) in liquid ammonia. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7965.	2.8	20
13	A Systematic Theoretical Study on the Acidities for Cations of Ionic Liquids in Dimethyl Sulfoxide. <i>Journal of Physical Chemistry A</i> , 2018, 122, 5750-5755.	2.5	20
14	CO ₂ Absorption by DBU-Based Protic Ionic Liquids: Basicity of Anion Dictates the Absorption Capacity and Mechanism. <i>Frontiers in Chemistry</i> , 2018, 6, 658.	3.6	20
15	The kinetics and mechanisms of organic reactions in liquid ammonia. <i>Faraday Discussions</i> , 0, 145, 15-25.	3.2	19
16	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> , 2015, 80, 8997-9006.	3.2	19
17	Comprehensive Basicity Scales for N-Heterocyclic Carbenes in DMSO: Implications on the Stabilities of N-Heterocyclic Carbene and CO ₂ Adducts. <i>Chemistry - an Asian Journal</i> , 2020, 15, 169-181.	3.3	18
18	Liquid Ammonia as a Dipolar Aprotic Solvent for Aliphatic Nucleophilic Substitution Reactions. <i>Journal of Organic Chemistry</i> , 2011, 76, 1425-1435.	3.2	17

#	ARTICLE	IF	CITATIONS
19	Unexpected solvation-stabilisation of ions in a protic ionic liquid: insights disclosed by a bond energetic study. <i>Chemical Science</i> , 2018, 9, 3538-3543.	7.4	16
20	The Brønsted Basicities of N-Heterocyclic Olefins in DMSO: An Effective Way to Evaluate the Stability of NHO-CO ₂ Adducts. <i>Journal of Organic Chemistry</i> , 2020, 85, 13204-13210.	3.2	16
21	Ionization of Carbon Acids in Liquid Ammonia. <i>Organic Letters</i> , 2011, 13, 6118-6121.	4.6	15
22	Absolute pK _a s of Sulfonamides in Ionic Liquids: Comparisons to Molecular Solvents. <i>Journal of Organic Chemistry</i> , 2016, 81, 11195-11200.	3.2	13
23	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> , 2020, 85, 3041-3049.	3.2	9
24	Equilibrium Acidities of Nitroalkanes in an Ionic Liquid. <i>Journal of Organic Chemistry</i> , 2018, 83, 14962-14968.	3.2	7
25	Counterintuitive solvation effect of ionic-liquid/DMSO solvents on acidic C-H dissociation and insight into respective solvation. <i>Chemical Science</i> , 2020, 11, 3365-3370.	7.4	7
26	Structural features of selected protic ionic liquids based on a super-strong base. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25369-25378.	2.8	6
27	pK _a in Ionic Liquids. , 2021, , 1-10.		0