

Shuxia Cao

List of Publications by Year in descending order

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papers

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1307594

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#	ARTICLE	IF	CITATIONS
1	Pentacoordinated spirophosphorane as Lewis base to activate CO ₂ combining with alkyl halide under mild conditions. <i>Tetrahedron</i> , 2022, , 132777.	1.9	1
2	Investigation of the Stereochemical Mechanism of the Nucleophilic Substitution Reaction at Pentacoordinate Phosphorus of Spirophosphorane. <i>Journal of Organic Chemistry</i> , 2021, 86, 4512-4531.	3.2	9
3	Application of pentacoordinated spirophosphorane as a new organocatalyst for the Michael addition reaction. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2021, 196, 936-947.	1.6	5
4	Investigation of Hydrophosphorylation Reaction of Pentacoordinate Hydrospirophosphorane and Electron-Deficient Alkenes Catalyzed by Organic Phosphine. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 3028-3033.	2.7	3
5	Gas-phase fragmentation of protonated 3-phenoxy imidazo[1,2-a] pyridines using tandem mass spectrometry and computational chemistry. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4794.	1.6	0
6	Synthesis of novel spirophosphanes containing a pentacoordinated P-C bond by P-alkylation reaction. <i>Tetrahedron</i> , 2020, 76, 130886.	1.9	8
7	Electrospray ionization collision induced dissociation of thieno[3,2-d]pyrimidine derivatives. <i>International Journal of Mass Spectrometry</i> , 2020, 457, 116411.	1.5	1
8	I ₂ -mediated and direct synthesis of 3-phenoxy imidazo heterocycles. <i>Tetrahedron</i> , 2019, 75, 1481-1491.	1.9	5
9	The investigation of substituent effects on the fragmentation pathways of pentacoordinated phenoxyspirophosphoranes by ⁿ ESI-MS. <i>Journal of Mass Spectrometry</i> , 2018, 53, 314-322.	1.6	3
10	The investigation on the N-H reactivity of pentacoordinate spirophosphoranes by H/D exchange and NMR experiments. <i>Tetrahedron Letters</i> , 2018, 59, 3833-3838.	1.4	6
11	Synthesis and Characterization of Alkoxy Spirophosphoranes Prepared from Hydrospirophosphoranes and Sodium Alcoholates. <i>Heteroatom Chemistry</i> , 2016, 27, 63-71.	0.7	8
12	The ³ J _{CCNP} Coupling Constants of Pentacoordinate Spirophosphorane Derivatives: As a Method to Assign Relative Configuration. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015, 190, 925-931.	1.6	8
13	Synthesis and Characterization of New Pyrospirophosphoranes Containing a P-O-P Bond by the Atherton-Todd Reaction. <i>Heteroatom Chemistry</i> , 2015, 26, 168-174.	0.7	8
14	Progress in the Atherton-Todd reaction and its stereochemical mechanism. <i>Scientia Sinica Chimica</i> , 2015, 45, 283-294.	0.4	6
15	Unexpected Insertion of CO ₂ into the Pentacoordinate P-N Bond: Atherton-Todd-Type Reaction of Hydrospirophosphorane with Amines. <i>Journal of Organic Chemistry</i> , 2013, 78, 11283-11293.	3.2	25
16	Preliminary stereochemical investigation of the Atherton-Todd-type reaction between valine hydrospirophosphorane and phenols. <i>Tetrahedron Letters</i> , 2012, 53, 6302-6305.	1.4	30
17	Fragmentation studies of pentacoordinated bisaminoacylspirophosphoranes by negative electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2011, 46, 352-358.	1.6	7
18	Investigation of Reaction Mechanism of Amino Acids and Phosphorus Trichloride by ³¹ P NMR and ESI-MS/MS. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1173-1179.	4.9	2

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19	Characterizing the electrospray ionization mass spectral fragmentation pattern of indole derivatives synthesized from 2-keto glycosides. <i>Journal of Mass Spectrometry</i> , 2005, 40, 452-457.	1.6	5
20	The Investigation of β -Cyclodextrin Noncovalent Complex with Protein or Dipeptide by Electrospray Ionization Mass Spectrometry. <i>Analytical Letters</i> , 2004, 37, 1871-1883.	1.8	4
21	Characterization of N-phosphoryl oligopeptide libraries by ESI-MS and HPLC-MS. <i>International Journal of Peptide Research and Therapeutics</i> , 2003, 10, 631-635.	0.1	1
22	Characterization of N-phosphoryl oligopeptide libraries by ESI-MS and HPLC-MS. <i>International Journal of Peptide Research and Therapeutics</i> , 2003, 10, 631-635.	1.9	0
23	Amino-catalyzed hydrolysis of amides and esters in the fragmentation by electrospray ionization tandem mass spectrometry using an ion trap. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 1927-1930.	1.5	13
24	Synthesis and evaluation of photophysical properties of β -halogenated derivatives of 2-phenylimidazo[1,2-a]pyridine. <i>Chinese Journal of Chemistry</i> , 0, , .	4.9	1