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Stability of phosphinidenes--are they synthetically accessible

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Dalton Transactions, 2006, , 4321-7.

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#	Paper	IF	Citations
45	Synthesis of the 2,4,5-tri-tert-butyl-1,3-diphospholide anion by phosphinidene elimination from 2,4,6-tri-tert-butyl-1,3,5-triphospha-benzene on treatment with the amide Li[NPh(SiMe ₃)]. <i>Chemistry - A European Journal</i> , 2007 , 13, 7121-8	4.8	12
44	A promising method for phosphinidene generation: complexes of phosphinidenes with N-donor ligands. <i>Chemistry - A European Journal</i> , 2008 , 14, 902-8	4.8	13
43	Tuning the nucleophilicity in cyclopropenyli-denes. <i>Chemistry - A European Journal</i> , 2008 , 14, 4711-8	4.8	33
42	Synergistic binding of both Lewis acids and bases to phosphinidenes. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7489-92	16.4	39
41	Synergistic Binding of Both Lewis Acids and Bases to Phosphinidenes. <i>Angewandte Chemie</i> , 2008 , 120, 7599-7602	3.6	19
40	Phosphinidene generation from phosphorus heterocycles and cages [A theoretical study. <i>Comptes Rendus Chimie</i> , 2010 , 13, 1048-1053	2.7	5
39	Valence Isomerization of Phosphepines [Organometallics, 2010 , 29, 6653-6659	3.8	14
38	Bond dissociation energies of ligands in square planar Pd(II) and Pt(II) complexes: An assessment using trans influence. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 2086-2092	2.3	19
37	Coordination-Like Chemistry of Phosphinidenes by Phosphanes. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 4539-4549	2.3	42
36	Low-Coordinate Main Group Compounds [Group 15. 2013 , 587-621		9
35	Redox-Triggered Reversible Interconversion of a Monocyclic and a Bicyclic Phosphorus Heterocycle. <i>Angewandte Chemie</i> , 2014 , 126, 6875-6879	3.6	29
34	Redox-triggered reversible interconversion of a monocyclic and a bicyclic phosphorus heterocycle. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6757-61	16.4	52
33	A novel N,P,C cage complex formed by rearrangement of a tricyclic phosphirane complex: on the importance of non-covalent interactions. <i>Chemistry - A European Journal</i> , 2014 , 20, 7010-6	4.8	17
32	Reactivity of Diimido Complexes of Molybdenum and Tungsten towards Lithium Derivatives of Diphosphanes and Triphosphanes. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 1811-1817	2.3	15
31	A stable phosphanyl phosphaketene and its reactivity. <i>Dalton Transactions</i> , 2015 , 44, 6431-8	4.3	60
30	The Heavier Analogues of Alkenes: A Theoretical Comparison of Unsaturated Group 15/14 Systems. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 709-717	2.3	5
29	A Singlet Phosphinidene Stable at Room Temperature. <i>CheM</i> , 2016 , 1, 147-153	16.2	191

28	A Masked Phosphinidene Trapped in a Fluxional NCN Pincer. <i>Chemistry - A European Journal</i> , 2016 , 22, 17562-17565	4.8	32
27	Phosphinidene Reactivity of a Transient Vanadium P π N Complex. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16220-16223	16.4	23
26	Singlet (Phosphino)phosphinidenes are Electrophilic. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8356-9	16.4	118
25	Carbene insertion into a P-H bond: parent phosphinidene-carbene adducts from PH ₃ and bis(phosphinidene)mercury complexes. <i>Dalton Transactions</i> , 2016 , 45, 5999-6003	4.3	52
24	Quest for stable or masked pnictinidenes: Emerging and exciting class of group 15 compounds. <i>Coordination Chemistry Reviews</i> , 2017 , 353, 142-158	23.2	51
23	Mechanism and Scope of Phosphinidene Transfer from Dibenzo-7-phosphanorbornadiene Compounds. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10822-10831	16.4	53
22	Mono- and Dicoordinate Germanium(0) as a Four-Electron Donor. <i>Chemistry - A European Journal</i> , 2018 , 24, 2873-2878	4.8	6
21	A Transient Vinylphosphinidene via a Phosphirene-Phosphinidene Rearrangement. <i>Journal of the American Chemical Society</i> , 2018 , 140, 147-150	16.4	36
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19	Methoxyphosphinidene and Isomeric Methylphosphinidene Oxide. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13604-13608	16.4	17
18	The Chemistry of the 2-Phosphaethynolate Anion. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16968-16994	16.4	93
17	Die Chemie des 2-Phosphaethinolat-Anions. <i>Angewandte Chemie</i> , 2018 , 130, 17214-17240	3.6	46
16	2-Phospha- and 2-Arsaethynolates \square Versatile Building Blocks in Modern Synthetic Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 2175-2227	2.3	35
15	Bonding in Phosphanylphosphinidene Complexes of Transition Metals and their Correlation with Structures, ³¹ P NMR Spectra, and Reactivities. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 3131-3141 ⁹	2.3	141 ⁹
14	The Nature of P(π - π) Dualism: 3a,6a-Diaza-1,4-diphosphapentalene as a Form of Stabilized Singlet Phosphinidene. <i>Inorganic Chemistry</i> , 2019 , 58, 16144-16153	5.1	7
13	Anthracene as a Launchpad for a Phosphinidene Sulfide and for Generation of a Phosphorus-Sulfur Material Having the Composition PS, a Vulcanized Red Phosphorus That Is Yellow. <i>Journal of the American Chemical Society</i> , 2019 , 141, 431-440	16.4	17
12	Annelated 3a,6a-diaza-1,4-diphosphapentalene as a form of stabilized singlet phosphinidene. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2020 , 195, 905-909	1	3
11	N-Heterocyclic Carbene Analogues of Nucleophilic Phosphinidene Transition Metal Complexes. <i>Chemistry - A European Journal</i> , 2020 , 26, 14878-14887	4.8	8

10	Generation and direct EPR spectroscopic observation of triplet arylphosphinidenes: stabilisation internal rearrangements. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 27626-27631	3.6	0
9	Isolation of an elusive phosphatetrahedrane. <i>Science Advances</i> , 2020 , 6, eaaz3168	14.3	19
8	M/X Phosphinidenoid Metal Complex Chemistry. <i>Accounts of Chemical Research</i> , 2021 , 54, 1754-1765	24.3	4
7	Iron complexes with terminal and nonbridging phosphanido ligands. <i>Inorganica Chimica Acta</i> , 2021 , 520, 120266	2.7	0
6	Non-conventional Behavior of a 2,1-Benzazaphosphole: Heterodiene or Hidden Phosphinidene?. <i>Chemistry - A European Journal</i> , 2021 , 27, 13149-13160	4.8	3
5	Phosphine-Stabilized Pnictinidenes. <i>Chemistry - A European Journal</i> , 2021 , 27, 14073-14080	4.8	1
4	Group 15 and 16 Nitrene-Like Pnictinidenes. <i>Chemistry - A European Journal</i> , 2021 , 27, 14461-14471	4.8	1
3	A quest for substituent effects on novel diamino(phosphino)phosphinidenes using density functional theory method. <i>Journal of Physical Organic Chemistry</i> ,	2.1	
2	Insights into reaction mechanisms of phosphonium cation and methyleneimine: a theoretical study. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1-7	1	
1	Phosphanylidenephosphoranes. 1-27		0