RafaÅ, Grubba

List of Publications by Year
in descending order

40	516	566801 15	713013 21
papers	citations	h-index	g-index

40	40	40	220
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new synthetic entry to phosphinophosphinidene complexes. Synthesis and structural characterisation of the first side-on bonded and the first terminally bonded phosphinophosphinidene zirconium complexes [Î¼-(1,2â^¶2-Î·-tBu2Pî€P){Zr(Cl)Cp2}2] and [{Zr(PPhMe2)Cp2}(Î·1-Pâ€“PtBu2)]. Chemical Communications, 2004, , 2478-2479.	2.2	59
2	Syntheses and structures of the first terminal phosphanylphosphido complex of hafnium [Cp2Hf(Cl){Î·1-(Me3Si)Pâ€“P(NEt2)2}] and the first zirconocene-phosphanylphosphinidene dimer [Cp2Zr{Î¼2-Pâ€“P(NEt2)2}2ZrCp2]. Dalton Transactions, 2011, 40, 2017.	1.6	34
3	Access to Side-On Bonded Tungsten Phosphanylphosphinidene Complexes. European Journal of Inorganic Chemistry, 2012, 2012, 3263-3265.	1.0	28
4	Symmetrical and unsymmetrical diphosphanes with diversified alkyl, aryl, and amino substituents. Dalton Transactions, 2018, 47, 16885-16894.	1.6	27
5	Reactions of Lithiated Diphosphanes R2Pâ€“P(SiMe3)Li (R =tBu,iPr,iPr2N, Et2N) with [Cp2WCl2]. Syntheses and Structures of the First Terminal Phosphanylphosphido Complexes of Tungsten(IV). Organometallics, 2011, 30, 6655-6660.	1.1	24
6	Activation of N₂O and SO₂ by the Pâ€“B Bond System. Reversible Binding of SO₂ by the Pâ€“Oâ€“B Geminal Frustrated Lewis Pair. Inorganic Chemistry, 2020, 59, 6332-6337.	1.9	24
7	Syntheses and crystal structures of lithium derivatives of diphosphanes R2Pâ€“P(SiMe3)LiÂ·3L, R=Ph, iPr and iPr2N, L=THF or DME. Polyhedron, 2007, 26, 5491-5496.	1.0	21
8	General route for the synthesis of terminal phosphanylphosphido complexes of Zr(IV) and Hf(IV): Structural investigations of the first zirconium complex with a phosphanylphosphido ligand. Polyhedron, 2011, 30, 1238-1243.	1.0	21
9	Syntheses and structures of the first terminal phosphanylphosphido complexes of molybdenum(IV). Polyhedron, 2012, 39, 25-30.	1.0	21
10	Reactivity of Phosphanylphosphinidene Complex of Tungsten(VI) toward Phosphines: A New Method of Synthesis of catena-Polyphosphorus Ligands. Inorganic Chemistry, 2015, 54, 8380-8387.	1.9	21
11	Diaminophosphinoboranes: effective reagents for phosphinoboration of CO₂. RSC Advances, 2019, 9, 27749-27753.	1.7	21
12	Diphosphination of CO₂ and CS₂ mediated by frustrated Lewis pairs â€“ catalytic route to phosphanyl derivatives of formic and dithioformic acid. Chemical Communications, 2019, 55, 2928-2931.	2.2	20
13	Syntheses, Structures and Reactivity of Terminal Phosphido Complexes of Iron(II) Supported by a Î²-Diketiminato Ligand. European Journal of Inorganic Chemistry, 2018, 2018, 4298-4308.	1.0	17
14	Reactivity of Diimido Complexes of Moybdenum and Tungsten towards Lithium Derivatives of Diphosphanes and Triphosphanes. European Journal of Inorganic Chemistry, 2014, 2014, 1811-1817.	1.0	16
15	An investigation on the chemistry of the R₂Pî€P ligand: reactions of a phosphanylphosphinidene complex of tungsten(<scp>vi</scp>) with electrophilic reagents. Dalton Transactions, 2016, 45, 2172-2179.	1.6	16
16	Synthetic, Structural, and Spectroscopic Characterization of a Novel Family of High-Spin Iron(II) [(Î²-Diketiminate)(phosphanylphosphido)] Complexes. Inorganic Chemistry, 2017, 56, 11030-11042.	1.9	14
17	Diphosphinoboranes as Intramolecular Frustrated Lewis Pairs: Pâ€“Bâ€“P Bond Systems for the Activation of Dihydrogen, Carbon Dioxide, and Phenyl Isocyanate. Inorganic Chemistry, 2021, 60, 3794-3806.	1.9	14
18	Phosphanylphosphido and phosphanylphosphinidene complexes of zirconium(IV) supported by bidentate N,N ligands. Polyhedron, 2017, 123, 353-360.	1.0	13

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19	Structural and spectroscopic analysis of a new family of monomeric diphosphinoboranes. Dalton Transactions, 2019, 48, 12482-12495.	1.6	11
20	Reactions of Lithium Salts of Triphosphanes tBu₂Pâ€“PLiâ€“PtBu₂ and tBu₂Pâ€“PLiâ€“P(NEt₂)₂ with Metal Complexes [(R₃P)₂MCl₂] (M = Ni, Pd, Pt,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 697 Td	1.6	10
21	Bonding in Phosphanylphosphinidene Complexes of Transition Metals and their Correlation with Structures, ³¹P NMR Spectra, and Reactivities. European Journal of Inorganic Chemistry, 2018, 2018, 3131-3141.	1.0	10
22	Formation of polyphosphorus ligands mediated by zirconium and hafnium complexes. Polyhedron, 2013, 55, 45-48.	1.0	9
23	The reactivity of 1,1-dichloro-2,2-di-tert-butyldiphosphane towards lithiated metal carbonyls: a new entry to phosphanylphosphinidene dimers. Dalton Transactions, 2016, 45, 4961-4964.	1.6	8
24	Monomeric Triphosphinoboranes: Intramolecular Lewis Acidâ€“Base Interactions between Boron and Phosphorus Atoms. Inorganic Chemistry, 2022, 61, 4361-4370.	1.9	8
25	The Reactions of Sodium Silanethiolates with Benzoyl Chloride. The Crystal Structures of (Oâ€silyl)thiobenzoates (^tBuO)₃SiOC(S)Ph, Ph₃SiOC(S)Ph, (2,6â€XyO)₃SiOC(S)Ph, and of PhC(O)SSSC(O)Ph. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 730-734.	0.6	6
26	Magnetic resonance of the new neutral Al cluster radical [Al ₇ R ₆]. Europhysics Letters, 2008, 82, 37002.	0.7	6
27	The new diphosphanylphosphido complexes of tungsten(<scp>vi</scp>) and molybdenum(<scp>vi</scp>). Their synthesis, structures and properties. Dalton Transactions, 2018, 47, 10213-10222.	1.6	6
28	Syntheses and Structures of Transition Metal Complexes with Phosphanylphosphinidene Chalcogenide Ligands. Inorganic Chemistry, 2019, 58, 7905-7914.	1.9	6
29	1,1,2,2-Tetrakis(diisopropylamino)diphosphane. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o2214-o2214.	0.2	6
30	[N,Nâ€²-Bis(2,6-diisopropylphenyl)pentane-2,4-diamine(1â€“)-2Îº2N,Nâ€²]-Î¼2-chlorido-1:2Îº2Cl:Cl-chlorido-2ÎºCl-bis(1,2-dimethoxyetha Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m707-m707.	0.2	3
31	Homoleptic mono-, di-, and tetra-iron complexes featuring phosphido ligands: a synthetic, structural, and spectroscopic study. Dalton Transactions, 2020, 49, 10091-10103.	1.6	3
32	The Reactivity of Phosphanylphosphinidene Complexes of Transition Metals Toward Terminal Dihaloalkanes. Inorganic Chemistry, 2020, 59, 5463-5474.	1.9	3
33	Reactivity of bulky aminophosphanes towards small molecules: Activation of dihydrogen and carbon dioxide by aminophosphane/borane frustrated Lewis pairs. Polyhedron, 2021, 194, 114930.	1.0	3
34	(Cyclopentadienyl){(N,N-dimethylaminoethyl)cyclopentadienyl} complexes of zirconium: Crystal structure of [(η5-C5H5)(η5-C5H4CH2CH2NHMe2)ZrCl2]2[ZrCl6]. Polyhedron, 2007, 26, 1579-1582.	1.0	2
35	Iron complexes with terminal and nonbridging phosphanido ligands. Inorganica Chimica Acta, 2021, 520, 120266.	1.2	2
36	Exploring the Reactivity of Unsymmetrical Diphosphanes toward Heterocumulenes: Access to Phosphanyl and Phosphoryl Derivatives of Amides, Imines, and Iminoamides. Inorganic Chemistry, 2022, 61, 9523-9532.	1.9	2

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37	Bis(diethylamido-Î¹N)(diethylamine-Î¹N)bis(2,6-diisopropylphenylamido-Î¹N)zirconium(IV). Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m72-m72.	0.2	1
38	Dispiro[cyclopropane-1,5â€²-endo-tricyclo[5.2.1.02,6]deca-3,8-diene-10â€²,1â€²â€²-cyclopropane]. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o1648-o1648.	0.2	0
39	catena-Poly[[(tetrahydrofuran-Î¹O)lithium(I)]-bis(Î¼-trimethylsilanolato-Î¹2O:O)-gallium(III)-bis(Î¼-trimethylsilanolato-Î¹2O:O)-[(tetrah Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m1242-m1242.	0.2	0
40	Sulfurization of phosphanylphosphinidene ligand: Access to phosphinothioyltrithiophosphonato platinum(II) complexes. Inorganica Chimica Acta, 2021, 523, 120413.	1.2	0