

# Natalia Szynkiewicz

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

172  
citations

1162889

8  
h-index

1199470

12  
g-index

21  
all docs

21  
docs citations

21  
times ranked

100  
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of the C=P bond in phosphanylphosphaalkenes (C=P bond system) in the reaction with nucleophilic reagents: MeLi, $n\text{-BuLi}$ and $t\text{-BuLi}$ . RSC Advances, 2022, 12, 10989-10996.	1.7	0
2	Monomeric Triphosphinoboranes: Intramolecular Lewis Acid-Base Interactions between Boron and Phosphorus Atoms. Inorganic Chemistry, 2022, 61, 4361-4370.	1.9	8
3	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
4	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
5	Two complementary approaches for the synthesis and isolation of stable phosphanylphosphaalkenes. Inorganic Chemistry Frontiers, 2021, 8, 3851-3862.	3.0	2
6	Experimental and theoretical investigation of the reactivity of $[(\text{BDI}^*)\text{Ti}(\text{Cl})\{\text{I}-2\text{-P}(\text{SiMe}_3)\text{-PiPr}_2\}]$ towards selected ketones. Dalton Transactions, 2021, 50, 1390-1401.	1.6	2
7	Diphosphinoboranes as Intramolecular Frustrated Lewis Pairs: C=B Bond Systems for the Activation of Dihydrogen, Carbon Dioxide, and Phenyl Isocyanate. Inorganic Chemistry, 2021, 60, 3794-3806.	1.9	14
8	Sulfurization of phosphanylphosphinidene ligand: Access to phosphinothioyltrithiophosphonato platinum(II) complexes. Inorganica Chimica Acta, 2021, 523, 120413.	1.2	0
9	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
10	Solvent Impact on the Diversity of Products in the Reaction of Lithium Diphenylphosphide and a $\text{Ti}(\text{III})$ Complex Supported by a $t\text{Bu}_2\text{P}(\text{SiMe}_3)$ Ligand. Inorganic Chemistry, 2020, 59, 11305-11315.	1.9	3
11	Synthesis of compounds with C=P and C=P bond systems based on the phospho-Wittig reaction. Dalton Transactions, 2020, 49, 13635-13646.	1.6	3
12	The Reactivity of Phosphanylphosphinidene Complexes of Transition Metals Toward Terminal Dihaloalkanes. Inorganic Chemistry, 2020, 59, 5463-5474.	1.9	3
13	Activation of $\text{N}_2\text{O}$ and $\text{SO}_2$ by the C=B Bond System. Reversible Binding of $\text{SO}_2$ by the C=O Geminal Frustrated Lewis Pair. Inorganic Chemistry, 2020, 59, 6332-6337.	1.9	24
14	Structural and spectroscopic analysis of a new family of monomeric diphosphinoboranes. Dalton Transactions, 2019, 48, 12482-12495.	1.6	11
15	Molecular Structures of the Phospha-Wittig Reaction Intermediate: Initial Step in the Synthesis of Compounds with a C=P Bond as Products in the Phospha-Wittig Reaction. Organometallics, 2019, 38, 2873-2877.	1.1	8
16	Diaminophosphinoboranes: effective reagents for phosphinoboration of $\text{CO}_2$ . RSC Advances, 2019, 9, 27749-27753.	1.7	21
17	Syntheses and Structures of Transition Metal Complexes with Phosphanylphosphinidene Chalcogenide Ligands. Inorganic Chemistry, 2019, 58, 7905-7914.	1.9	6
18	Reactivity study of a $\text{I}^2$ -diketiminato titanium(III) complex with a phosphanylphosphido ligand towards chlorophosphanes. A new method of synthesis of $\text{I}^2$ -diketiminato titanium(IV) complexes with versatile phosphanylphosphinidenes. Polyhedron, 2019, 169, 278-286.	1.0	2

#	ARTICLE	IF	CITATIONS
19	Diphosphination of CO <sub>2</sub> and CS <sub>2</sub> mediated by frustrated Lewis pairs – catalytic route to phosphanyl derivatives of formic and dithioformic acid. Chemical Communications, 2019, 55, 2928-2931.	2.2	20
20	Symmetrical and unsymmetrical diphosphanes with diversified alkyl, aryl, and amino substituents. Dalton Transactions, 2018, 47, 16885-16894.	1.6	27
21	Reactions of (Ph)tBuP-P(SiMe <sub>3</sub> )Li-3THF with [(PNP)TiCl <sub>2</sub> ] and [MeNacNacTiCl <sub>2</sub> -THF]: synthesis of first PNP titanium(iv) complex with the phosphanylphosphinidene ligand [(PNP)Ti(Cl){i-2-P-P(Ph)tBu}]. Dalton Transactions, 2018, 47, 9733-9741.	1.6	10