

# Zoltan Benkő

## List of Publications by Year in descending order

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59  
papers

2,034  
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293460

24  
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274796

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all docs

66  
docs citations

66  
times ranked

1123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Limited reciprocal surrogacy of bird and habitat diversity and inconsistencies in their representation in Romanian protected areas. PLoS ONE, 2022, 17, e0251950.	1.1	0
2	Understanding the Mechanism of Diels-Alder Reactions with Anionic Dienophiles: A Systematic Comparison of [ECX] <sup>+</sup> (E = P, As; X = O, S, Se) Anions. Inorganic Chemistry, 2022, 61, 7922-7934.	1.9	3
3	Stereospecific synthesis of chiral P-containing polyaromatics based on 7-membered P-rings. Chemical Communications, 2021, 57, 7256-7259.	2.2	12
4	Topologically diverse polycyclic aromatic hydrocarbons from pericyclic reactions with polyaromatic phospholes. New Journal of Chemistry, 2021, 45, 8118-8124.	1.4	2
5	Indirect Access to Carbene Adducts of Bismuth- and Antimony-Substituted Phosphaketene and Their Unusual Thermal Transformation to Dipnictines and [(NHC) <sub>2</sub> OCP][OCP]. Inorganic Chemistry, 2021, 60, 4733-4743.	1.9	15
6	Anionic 1-Aza-3,4-diphospholides as redox active ligands. Inorganica Chimica Acta, 2021, 520, 120274.	1.2	1
7	Non-conventional Behavior of a 2,1-Benzazaphosphole: Heterodiene or Hidden Phosphinidene?. Chemistry - A European Journal, 2021, 27, 13149-13160.	1.7	4
8	Non-conventional Behavior of a 2,1-Benzazaphosphole: Heterodiene or Hidden Phosphinidene?. Chemistry - A European Journal, 2021, 27, 13096-13097.	1.7	0
9	Naphthyl-Fused Phosphepines: Luminescent Contorted Polycyclic Heterocycles. Chemistry - A European Journal, 2020, 26, 1856-1863.	1.7	17
10	Dibismuthates as Linking Units for Bis-Zwitterions and Coordination Polymers. Inorganic Chemistry, 2020, 59, 13270-13280.	1.9	3
11	1,3,4-Azadiphospholides as building blocks for scorpionate and bidentate ligands in multinuclear complexes. Dalton Transactions, 2020, 49, 8201-8208.	1.6	2
12	Tweaking the Charge Transfer: Bonding Analysis of Bismuth(III) Complexes with a Flexidentate Phosphane Ligand. Inorganic Chemistry, 2020, 59, 8916-8924.	1.9	18
13	Phosphanyl-Substituted Siloles: Synthesis, Optical and Electrochemical Studies and Computations. European Journal of Inorganic Chemistry, 2020, 2020, 1794-1802.	1.0	0
14	Isolation of Cyclic(Alkyl)(Amino) Carbene-Bismuthinidene Mediated by a Beryllium(0) Complex. Chemistry - A European Journal, 2019, 25, 4335-4339.	1.7	71
15	Ī-Extended Phosphepines: Redox and Optically Active P-Heterocycles with Nonplanar Framework. Organic Letters, 2019, 21, 802-806.	2.4	27
16	Weak Pnictogen Bond with Bismuth: Experimental Evidence Based on Bi <sup>+</sup> P Through- $\sigma$ Space Coupling. Chemistry - A European Journal, 2019, 25, 4017-4024.	1.7	39
17	Frontispiece: Weak Pnictogen Bond with Bismuth: Experimental Evidence Based on Bi <sup>+</sup> P Through- $\sigma$ Space Coupling. Chemistry - A European Journal, 2019, 25, .	1.7	0
18	An isolable magnesium diphosphaethynolate complex. Dalton Transactions, 2018, 47, 666-669.	1.6	19

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19	Highly Reactive Cyclic(alkyl)(amino) Carbene- and <i>N</i> -Heterocyclic Carbene-Bismuth(III) Complexes: Synthesis, Structure, and Computations. <i>Inorganic Chemistry</i> , 2018, 57, 11687-11695.	1.9	24
20	Bismesitylphosphinic Acid (BAPO-OH): A Ligand for Copper Complexes and Four-Electron Photoreductant for the Preparation of Copper Nanomaterials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7697-7702.	7.2	15
21	2,4,6-Tri(hydroxy)-1,3,5-triposphinine, P <sub>3</sub> C <sub>3</sub> (OH) <sub>3</sub> : The Phosphorus Analogue of Cyanuric Acid. <i>Angewandte Chemie</i> , 2017, 129, 1376-1380.	1.6	39
22	(L) <sub>2</sub> C <sub>2</sub> P <sub>2</sub> : Dicarbondiphosphide Stabilized by <i>N</i> -Heterocyclic Carbenes or Cyclic Diamido Carbenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5744-5749.	7.2	102
23	(L) <sub>2</sub> C <sub>2</sub> P <sub>2</sub> : Dicarbondiphosphide Stabilized by <i>N</i> -Heterocyclic Carbenes or Cyclic Diamido Carbenes. <i>Angewandte Chemie</i> , 2017, 129, 5838-5843.	1.6	55
24	2,4,6-Tri(hydroxy)-1,3,5-triposphinine, P <sub>3</sub> C <sub>3</sub> (OH) <sub>3</sub> : The Phosphorus Analogue of Cyanuric Acid. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1356-1360.	7.2	60
25	Synthesis of P <sub>2</sub> C <sub>2</sub> O <sub>2</sub> and P <sub>2</sub> CO via NHC-mediated coupling of the phosphoethynolate anion. <i>Chemical Communications</i> , 2017, 53, 12325-12328.	2.2	19
26	Annulated 1,3,4-Azadiphospholides: Heterocycles with Widely Tunable Optical Properties. <i>Angewandte Chemie</i> , 2017, 129, 11378-11383.	1.6	20
27	Annulated 1,3,4-Azadiphospholides: Heterocycles with Widely Tunable Optical Properties. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11226-11231.	7.2	36
28	<i>N</i> -Heterocyclic Carbenes as Promoters for the Rearrangement of Phosphaketenes to Phosphaheteroallenes: A Case Study for OCP to OPC Constitutional Isomerism. <i>Angewandte Chemie</i> , 2016, 128, 6122-6126.	1.6	46
29	The reactivity of acyl chlorides towards sodium phosphoethynolate, Na(OCP): a mechanistic case study. <i>Chemical Science</i> , 2016, 7, 6125-6131.	3.7	32
30	A Convenient Synthesis of 1,2,4- and 1,3,4-Azadiphospholes. <i>Chemistry - A European Journal</i> , 2016, 22, 14979-14987.	1.7	32
31	<i>N</i> -Heterocyclic Carbenes as Promoters for the Rearrangement of Phosphaketenes to Phosphaheteroallenes: A Case Study for OCP to OPC Constitutional Isomerism. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6018-6022.	7.2	70
32	A Rational Synthetic Approach to 2,5-Diphenyl-2-silyl Phospholes. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 718-725.	1.0	15
33	Cyclo-oligomerization of isocyanates with Na(PH <sub>2</sub> ) or Na(OCP) as P <sup>-</sup> anion sources. <i>Chemical Science</i> , 2015, 6, 4017-4024.	3.7	64
34	C <sub>n</sub> H <sub>2n</sub> Cl <sup>+</sup> ion formation in electron impact MS conditions: a theoretical study. <i>Structural Chemistry</i> , 2014, 25, 659-665.	1.0	2
35	Substituent effect on the aromaticity of the silolide anion. <i>Structural Chemistry</i> , 2014, 25, 377-387.	1.0	16
36	Redox-Triggered Reversible Interconversion of a Monocyclic and a Bicyclic Phosphorus Heterocycle. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6757-6761.	7.2	57

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37	Coulomb repulsion versus cycloaddition: formation of anionic four-membered rings from sodium phosphoethynolate, Na(OCP). Dalton Transactions, 2014, 43, 831-840.	1.6	138
38	Is the phosphoethynolate anion, (OCP) <sup>−</sup> , an ambident nucleophile? A spectroscopic and computational study. Dalton Transactions, 2014, 43, 5920.	1.6	96
39	Phosphaketenes as Building Blocks for the Synthesis of Triphospha Heterocycles. Chemistry - A European Journal, 2014, 20, 11326-11330.	1.7	72
40	Sodium phosphoethynolate, Na(OCP), as a $\sigma$ -P $\rightarrow$ C-transfer reagent for the synthesis of N-heterocyclic carbene supported P <sub>3</sub> and PAsP radicals. Chemical Science, 2014, 5, 1545-1554.	3.7	206
41	Sodium Phosphoethynolate as a Building Block for Heterocycles. Angewandte Chemie - International Edition, 2014, 53, 1641-1645.	7.2	111
42	Donor-Free Phosphenium <sup>+</sup> Metal(0) <sup>−</sup> Halides with Unsymmetrically Bridging Phosphenium Ligands. Inorganic Chemistry, 2013, 52, 7699-7708.	1.9	21
43	Synthesis and Characterization of Terminal [Re(XCO)(CO) <sub>2</sub> (triphos)] (X=N, P): Isocyanate versus Phosphoethynolate Complexes. Chemistry - A European Journal, 2012, 18, 14805-14811.	1.7	94
44	Nitrogen- and oxygen-bridged bidentate phosphoalkene ligands. Comptes Rendus Chimie, 2010, 13, 1111-1126.	0.2	7
45	Access to Metal Complexes of the Elusive Imidobis(phosphoalkene) Anion by N <sup>−</sup> Si Bond Cleavage of a $\lambda^5$ -N-silylimino $\lambda^5$ -bridged Bis(phosphoalkene). European Journal of Inorganic Chemistry, 2010, 2010, 29-33.	1.0	13
46	Towards Spontaneous Heterolysis of the Homonuclear P $\equiv$ P Bond in Diphosphines: The Case of Diazaphospholeniumtriphospholides. Chemistry - A European Journal, 2010, 16, 2857-2865.	1.7	14
47	Imino $\lambda^5$ -bridged Bisphosphoalkenes (2,4-Diphospha- $\lambda^5$ -azapentadienes). Chemistry - A European Journal, 2010, 16, 4843-4851.	1.7	12
48	Assembly and Disassembly of a Metastable Bis $\sigma$ -phosphine $\lambda^5$ -Based Copper(I) Helicate. Chemistry - A European Journal, 2010, 16, 12091-12095.	1.7	11
49	3,4-Dithiaphosphole and 3,3,4,4-tetrathia $\lambda^5$ ,1,1-biphosphole $\lambda^5$ -conjugated Systems: S Makes the Impact. Chemistry - A European Journal, 2010, 16, 11340-11356.	1.7	45
50	Phosphinidene generation from phosphorus heterocycles and cages $\lambda^5$ - A theoretical study. Comptes Rendus Chimie, 2010, 13, 1048-1053.	0.2	5
51	Structural and bonding aspects of molybdenum tricarbonyl complexes of 2,4,6-tritertiarybutyl-1,3,5-triphospha benzene, P3C3But3 and some $\lambda^5$ -3,3,3,5- and $\lambda^5$ -3,3,5,5-alkylated derivatives. Comptes Rendus Chimie, 2010, 13, 1063-1072.	0.2	16
52	Di(phosphavinyl) Ethers (2,4-Diphospha-3-oxapentadienes). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2009, 64, 73-82.	0.3	9
53	Exceptional Coordination Mode of Unsaturated PNP Ligands (Me <sub>3</sub> Si) <sub>2</sub> C=PN(R)PPh <sub>2</sub> with Palladium and Platinum Dichlorides: Insertion of Phosphoalkene Phosphorus Atoms into Metal $\lambda^5$ -Chlorine Bonds. European Journal of Inorganic Chemistry, 2009, 2009, 2901-2905.	1.0	12
54	Spontaneous Phosphorus $\lambda^5$ -Halogen Bond Cleavage in $\lambda^5$ -Heterocyclic Halogenophosphanes Revisited: The Case of P $\lambda^5$ -Br and P $\lambda^5$ -I Bonds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 245-252.	0.6	27

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55	Benzo-1,3,2-diazaphospholide and benzo-1,3,2-diazaphospholium: an isoelectronic aromatic anion-cation pair. <i>Chemical Communications</i> , 2009, , 830-832.	2.2	8
56	A Promising Method for Phosphinidene Generation: Complexes of Phosphinidenes with N-Donor ligands. <i>Chemistry - A European Journal</i> , 2008, 14, 902-908.	1.7	14
57	Pyrido-annellated diazaphospholenes and phospholenium ions. <i>Dalton Transactions</i> , 2008, , 4937.	1.6	24
58	From 2,4-Diphospha-thia- and Selenapentadienes [(Me <sub>3</sub> Si) <sub>2</sub> C≡ <sup>3/4</sup> P] <sub>2</sub> E to Heteronorborene Cage Compounds. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8682-8685.	7.2	11
59	Stability of phosphinidenes—Are they synthetically accessible?. <i>Dalton Transactions</i> , 2006, , 4321-4327.	1.6	46