Pavel VojtÃ-Å¡ek

List of Publications by Year
in descending order

74 papers	1,649 citations	331538 21 h-index	302012 39 g-index
81 all docs	81 docs citations	81 times ranked	1524 citing authors

#	Article	IF	Citations
1	Complexes of tetraazacycles bearing methylphosphinic/phosphonic acid pendant arms with copper(II), zinc(II) and lanthanides(III). A comparison with their acetic acid analogues. Coordination Chemistry Reviews, 2001, 216-217, 287-312.	9.5	228
2	A Straightforward Route to Helically Chiral Nâ€Heteroaromatic Compounds: Practical Synthesis of Racemic 1,14â€Diaza[5]helicene and Optically Pure 1â€•and 2â€Aza[6]helicenes. Angewandte Chemie - International Edition, 2008, 47, 3188-3191.	7.2	161
3	Lanthanide(III) Complexes of a Mono(methylphosphonate) Analogue of H4dota: The Influence of Protonation of the Phosphonate Moiety on the TSAP/SAP Isomer Ratio and the Water Exchange Rate. Chemistry - A European Journal, 2005, 11, 2373-2384.	1.7	110
4	Synthesis, crystal structures and magnetic properties of 1D polymeric [Mniii(salen)N3] and [Mniii(salen)Ag(CN)2] complexes. New Journal of Chemistry, 2002, 26, 1025-1028.	1.4	93
5	Crystal Structures of Lanthanide(III) Complexes with Cyclen Derivative Bearing Three Acetate and One Methylphosphonate Pendants. Inorganic Chemistry, 2005, 44, 5591-5599.	1.9	84
6	Structural characterization of a new manganese(III)â€“salen complex [H2salen=N,Nâ€²-bis(salicylidene)ethane-1,2-diamine] and study of its electron transfer kinetics with hydroquinone and catechol. Polyhedron, 2003, 22, 1191-1198.	1.0	52
7	Bis(methylphosphonic Acid) Derivatives of 1,4,8,11-Tetraazacyclotetradecane (Cyclam). Synthesis, Crystal and Molecular Structures, and Solution Properties. Collection of Czechoslovak Chemical Communications, 2000, 65, 1289-1316.	1.0	43
8	Crystal Structures and Reactivity of 3a,5a,8a,10a-Tetraazaperhydropyrene Derivatives. An Alternative Approach to Selective Nitrogen Alkylation of 1,4,8,11-Tetraazacyclotetradecane (Cyclam). Collection of Czechoslovak Chemical Communications, 2000, 65, 243-266.	1.0	40
9	Synthesis, Crystal Structures, and Solution Properties ofN-Methylene(phenyl)phosphinic Acid Derivatives of Cyclen and Cyclam. European Journal of Inorganic Chemistry, 2000, 2000, 195-203.	1.0	39
10	Derivative of cyclen with three methylene(phenyl)phosphinic acid pendant arms. Synthesis and crystal structures of its lanthanide complexes. Dalton Transactions RSC, 2000, , 141-148.	2.3	39
11	Synthesis, crystal structures and NMR and luminescence spectra of lanthanide complexes of 1,4,7,10-tetraazacyclododecane with N-methylene(phenyl)phosphinic acid pendant armsâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1999, , 3585-3592.	1.1	38
12	Slow Magnetic Relaxation in a Mixed-Valence Mn(II/III) Complex:Â [MnII2(bispicen)2(Î¼3-Cl)2MnIII(Cl4Cat)2MnIII(Cl4Cat)2(H2O)2]â‹…. Inorganic Chemistry, 2004, 43, 849-851.	1.9	37
13	Synthesis, characterisation and extraction behaviour of calix[4]arene-based phosphonic acidsElectronic supplementary information (ESI) available: Tables S1â€“S3 and Figs. S1 and S2. See http://www.rsc.org/suppdata/p2/b1/b105489a/. Perkin Transactions II RSC, 2002, , 1370-1377.	1.1	26
14	Symmetrically tetrasubstituted p-nitrocalix[4]arenes: Synthesis, spectra and crystal structures. Journal of Molecular Structure, 2007, 871, 33-41.	1.8	26
15	Complexes of divalent transition metal ions with bis(aminomethyl)phosphinic acid in aqueous solution and in the solid state. Dalton Transactions, 2003, , 3927-3938.	1.6	25
16	Electrochemical and Quantum Chemical Investigation of Tetranitrocalix[4]arenes: Molecules with Multiple Redox Centers. Journal of Organic Chemistry, 2013, 78, 10651-10656.	1.7	25
17	Crystal Structure, Thermal Behavior, and Infrared Absorption Spectrum of Cobalt(II) Hydrogen Selenite Dihydrate Co(HSeO3)2 Â· 2H2O. Journal of Solid State Chemistry, 1994, 112, 237-242.	1.4	23
18	Crystal Structure and Infrared Absorption Spectra of Magnesium(II) Hydrogen Selenite Tetrahydrate, Mg(HSeO3)2Â·4H2O. Journal of Solid State Chemistry, 1996, 122, 338-342.	1.4	22

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19	New receptors for anions in water: Synthesis, characterization, X-ray structures of new derivatives of 5,11,17,23-tetraamino-25,26,27,28-tetrapropyloxycalix[4]arene. Journal of Molecular Structure, 2007, 826, 48-63.	1.8	22
20	Crystallization and characterization of the compounds GlyÂ·MSO4Â·mH2O (M = Mg2+, Mn2+, Fe2+, Co2+,) Tj ETQq0 0 0 rgBT /Overloc	1.8	22
21	Preparation, resolution and absolute configuration of 2,2â€²-bipyridine-3,3â€²-dicarboxylic acid 1,1â€²-dioxide and its ester. Tetrahedron: Asymmetry, 1995, 6, 1279-1282.	1.8	21
22	Synthesis of Rhodium Complexes with Novel Perfluoroalkyl Substituted Cyclopentadienyl Ligands. Collection of Czechoslovak Chemical Communications, 2001, 66, 382-396.	1.0	21
23	REACTION OF COMPOUNDS WITH A H-P BOND WITH SCHIFF-BASES. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 148, 79-95.	0.8	20
24	Complexing properties of phosphinic analogues of glycine. Journal of the Chemical Society Dalton Transactions, 1996, , 2685-2691.	1.1	19
25	Unusual cis/trans Isomerism in Octahedral Nickel(II) Complexes with 1,4,8,11-Tetraazacyclotetradecane-1,8-bis(methylphosphonic Acid) as a Ligand. Collection of Czechoslovak Chemical Communications, 2001, 66, 363-381.	1.0	19
26	Title is missing!. Transition Metal Chemistry, 2003, 28, 765-771.	0.7	19
27	Pyridine-2,6-dicarboxylate and perchlorate bridged hydrogen bonded 1D chains involving manganese(III)-cyclam moiety: synthesis, X-ray crystal structures and magnetic study. Inorganica Chimica Acta, 2004, 357, 25-32.	1.2	19
28	Tridentate Schiff base coordinated trigonal bipyramidal / square pyramidal copper(II) complexes: Synthesis, crystal structure, DFT / TD-DFT calculation, catecholase activity and DNA binding. Journal of Molecular Structure, 2019, 1189, 94-101.	1.8	19
29	Structural and spectral characterization of the compounds nGlyÂ·ZnCl2Â·mH2O (n= 1,2,3; m= 0,2). Journal of Molecular Structure, 2009, 918, 55-63.	1.8	17
30	The quest for alternative routes to racemic and nonracemic azahelicene derivatives. Collection of Czechoslovak Chemical Communications, 2009, 74, 189-215.	1.0	17
31	Protein binding, DFT/TDDFT calculation and catecholase activity of five coordinated distorted square pyramidal/trigonal bipyramidal Cu(II) complexes. Polyhedron, 2018, 149, 7-16.	1.0	16
32	Complexes of nitrilotrimethylphosphonic acid with cobalt, nickel, copper and zinc. Polyhedron, 1986, 5, 2063-2067.	1.0	15
33	Aminomethylenephosphinic acids and their complexing properties. Journal of the Chemical Society Dalton Transactions, 1992, , 939-944.	1.1	14
34	Tetramethyl(perfluoroalkyl)cyclopentadienyl rhodium(I) complexes with ethylene or diene ligands. Crystal structure of [(Î·5-C5Me4C6F13)Rh(CO)2]. Journal of Organometallic Chemistry, 2010, 695, 375-381.	0.8	14
35	DFT/TD-DFT calculation, photophysical properties, DNA/protein binding and catecholase activity of chelating ligand based trigonal bipyramidal copper(II) complexes. Journal of Molecular Structure, 2019, 1179, 558-567.	1.8	14
36	Crystal structures of (S)- and (R,S)-2,2â€²-bipyridine-3,3â€²-dicarboxylic acid 1,1â€²-dioxides and of their barium salts: absolute configuration and molecular distortion enforced by supramolecular self-assembly. Zeitschrift Fur Kristallographie - Crystalline Materials, 1997, 212, 226-233.	0.4	12

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37	1D, 2D, and 2D Parallel Interpenetrated Dicarboxylato Bridged Co(II) Metal Organic Frameworks: Synthesis, Crystal Structure, Fluorescence Sensing and Band Gap Calculation. ChemistrySelect, 2017, 2, 2634-2642.	0.7	12
38	Diphosphinoazines (Z,Z)-R2PCH2C(But)ĩ˜...NNĩ˜...C(But)CH2PR2 with R groups of various sizes and complexes {[(Z,Z)-R2PCH2C(But)ĩ˜...NNĩ˜...C(But)CH2PR2]-[Î·3-CH2C(CH3)ĩ˜...CH2PdCl]2}. Inorganica Chimica Acta, 2001, 312, 77-86.	1.2	11
39	A short and efficient synthesis of Î±-C-(1â†'3)-linked disaccharides containing deoxyhexopyranoses. Tetrahedron: Asymmetry, 2004, 15, 1033-1041.	1.8	11
40	Stereoselective Preparation of Precursors of Î±-C-(1â†'3)-Disaccharides. Collection of Czechoslovak Chemical Communications, 2005, 70, 1411-1428.	1.0	11
41	Preparation and Structural Characterization of the Intermediate Complex [Er{H2C8H16N4(CH2COO)3(CH2(Ph)PO2)}(H2O)2]2Cl2Â·xH2O in the Reaction of Er3+ and the dota-Type Ligand. an Interesting Example of Two Stereoforms of a Lanthanide Complex. Collection of Czechoslovak Chemical Communications, 2006, 71, 264-278.	1.0	11
42	Activation of a coordinated alkyne by electron transfer: crystal structures of [Ph2}{C(CO2Me)ĩ˜...CH(CO2Me)}] and [PPh2}{C(CO2Me)ĩ˜†C(CO2Me)}]. Journal of Organometallic Chemistry, 2000, 598, 318-328.	0.8	10
43	Palladium(II) amido complexes with an unsymmetrical PNPâ€² pincer-type coordination and a new (E,E)-tetradentate diphosphinoazine coordination mode. Inorganica Chimica Acta, 2004, 357, 4165-4171.	1.2	9
44	Complexing properties of phosphonodipeptides containing 1-aminoethylphosphonic acid. Journal of the Chemical Society Dalton Transactions, 1995, , 2611-2618.	1.1	8
45	LÃ¶slichkeitsuntersuchung in den Systemen K₂SeO₄â€CO^{II}SeO₄â€H₂O und K₂SeO₄â€Ni^{II}SeO₄â€H₂O bei 25Â°C. Zeitschrift FÃ¼r Chemie, 1985, 25, 414-415.	0.0	8
46	Syntheses and crystal structures of cobalt(II) complexes with piperazine-1,4-diylbis(methylene)bis(phosphinic) acid. Polyhedron, 1995, 14, 3163-3166.	1.0	7
47	Complexes of Tris(N-piperidinomethyl)phosphine Oxide with Zinc and Cadmium. Collection of Czechoslovak Chemical Communications, 1996, 61, 1321-1334.	1.0	7
48	Lanthanide Complexes of 2,2â€²,2â€³â€{10â€{[Hydroxy(phenyl)phosphoryl]methyl}â€1,4,7,10â€tetraazacyclododecanâ€1,4,7â€triyl)triacetic Acid: Structural Characterisation of Intermediates from the Proposed Complexation Mechanism in the Systems of Ln^{III}â€dotaâ€Type Ligands. European Journal of Inorganic Chemistry, 2008, 2008, 3948-3956.	1.0	7
49	SYNTHESIS OF PHOSPHINIC ACID ANALOGUES OF GLYCYLâ€"GLYCINE AND CRYSTAL STRUCTURE OF N-GLYCYL-AMINOMETHYL-(PHENYLPHOSPHINIC) ACID. Synthetic Communications, 2002, 32, 79-88.	1.1	5
50	Square planar diphosphinoazine rhodium(I) amido carbonyl complexes with an unsymmetrical PNPâ€² pincer-type coordination. Journal of Organometallic Chemistry, 2008, 693, 1997-2003.	0.8	5
51	Diphosphinoazine rhodium(III) and iridium(III) octahedral complexes. Inorganica Chimica Acta, 2009, 362, 208-216.	1.2	5
52	The cone-tetranitrocalix[4]arene tetraradical tetraanion as an electrochemically generated ligand for heavier alkali metal cations. Chemical Communications, 2019, 55, 2817-2820.	2.2	5
53	One example of useful disorder : Structure of Pr(III) complex of 1,4,7,10-tetraazacyclododecane-10-methyl-1,4,7-tris(methylenephenylphosphinic) acid. Journal of Molecular Structure, 2007, 826, 82-88.	1.8	4
54	Effect of Coordination on the Structure of Tris(N,N-Dimethylaminomethyl)phosphine Oxide. Collection of Czechoslovak Chemical Communications, 1993, 58, 1354-1362.	1.0	4

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55	Complexes of Mercury(II) with Tetraethyl 2,2'-Bipyridyl-4,4'-diphosphonate. Collection of Czechoslovak Chemical Communications, 1997, 62, 1710-1720.	1.0	3
56	Synthesis and Structure of Noncoordinated Curtis Macrocycle as a Free Base and Dihydrobromide Dihydrate. Collection of Czechoslovak Chemical Communications, 1999, 64, 73-88.	1.0	3
57	Selective Loss of BoLA Class I Determinants from the Lymphocyte Surface after Acid Treatment. Zoonoses and Public Health, 1998, 45, 25-29.	1.4	2
58	Synthesis, crystal, and molecular structure of coordination polymers constructed by self-assembly of NiN4 cores with 2,2â€²-iminodibenzoate and nitroprusside ions. Structural Chemistry, 2007, 18, 157-164.	1.0	2
59	Untersuchung am System Bi₂(HPO₃)₃â€”H₃PO₃ â€”H₂O. Zeitschrift FÃ¼r Chemie, 1979, 19, 266-266.	0.0	2
60	Synthesis and study of new nitrogen-containing heterocycles based on glycoluril derivatives. Russian Journal of General Chemistry, 2015, 85, 88-91.	0.3	2
61	The change in the standard Gibbs energy Î”G0 in the formation of double selenates K2MII(SCo4)2Â·x H2O (MII = Mn, Co, Ni, Cu, Zn; x = 6 or 2). Collection of Czechoslovak Chemical Communications, 1990, 55, 994-1001.	1.0	2
62	LÃ¶slichkeitsuntersuchung in den Systemen M^I₂SeO₄â€“MgSeO₄â€“H₂O (M^I =	0	2
63	Untersuchung in den Systemen MnSeO₄â€“M¹₂ScO₄â€“H₂O (M¹ =	0	2
64	Diphosphinoazine Rhodium(I) and Iridium(I) Complexes. Collection of Czechoslovak Chemical Communications, 2006, 71, 197-206.	1.0	1
65	Calculation of the solubility curves in ternary salt systems with compound formation. Electrochimica Acta, 1986, 31, 1609-1616.	2.6	0
66	(3S,5S,1'S)-3-Benzyl-5-[1'-(tert-butoxycarbonylamino)-2'-phenylethyl]-4,5-dihydrofuran-2(3H)-one. Acta Crystallographica Section C: Crystal Structure Communications, 1996, 52, 3165-3167.	0.4	0
67	Synthesis, Structure and Solution Properties of Tetra-Azacycles with Pendant Methylene(Phenylphospinic) Groups. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 147, 229-229.	0.8	0
68	Synthesis, Crystal Structure and Complexing Properties of Phosphinic Analogues of Glycylglycine. Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 147, 119-119.	0.8	0
69	A Stereocontrolled Access to Î±-C-(1â†'3)-Linked DisaccharidesContaining 2-Deoxyhexopyranoses. Synlett, 2003, 2003, 0963-0966.	1.0	0
70	Unusual phosphorylation of 2-amino-4-phenylthiazole with phosphorous acid ester amides. Russian Journal of General Chemistry, 2014, 84, 2477-2479.	0.3	0
71	The change in the standard gibbs energy Î”GÂ° during the formation of the double selenates M2Mg(SeO4)2.6 H2O (m = K, NH4, Rb, Cs). Collection of Czechoslovak Chemical Communications, 1990, 55, 2669-2676.	1.0	0
72	Changes in the standard Gibbs energies associated with the formation of double selenates (NH4)2M(SeO4)2.6H2O (M = Mn, Co, Ni or Zn) and (NH4)2Cd(SeO4)2.2H2O. Collection of Czechoslovak Chemical Communications, 1991, 56, 1636-1641.	1.0	0

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73	Investigation of interaction between tert.-butyl diamidophosphites and alkyl halides. Bulletin of the Karaganda University Chemistry Series, 2019, 93, 39-47.	0.2	0
74	The reaction of C-alkylation of eudesmanolide (â€“)-Î±-santonin. Bulletin of the Karaganda University Chemistry Series, 2019, 94, 14-18.	0.2	0