

Petr Kilian

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Naphthalene and Related Systems <i>peri</i> -Substituted by Group 15 and 16 Elements. Chemistry - A European Journal, 2011, 17, 2302-2328.	3.3	113
2	Naphthalene-1,8-diyl Bis(Halogenophosphanes): Novel Syntheses and Structures of Useful Synthetic Building Blocks. Chemistry - A European Journal, 2003, 9, 215-222.	3.3	81
3	Synthesis of ligands based on naphthalene <i>peri</i> -substituted by Group 15 and 16 elements and their coordination chemistry. Coordination Chemistry Reviews, 2011, 255, 1387-1413.	18.8	79
4	Isolable Phosphanylidene Phosphorane with a Sterically Accessible Two-Coordinate Phosphorus Atom. Angewandte Chemie - International Edition, 2012, 51, 10150-10153.	13.8	73
5	Preparation and structures of 1,2-dihydro-1,2-diphosphaacenaphthylenes and rigid backbone stabilized triphosphenium cation. Dalton Transactions, 2006, , 2175.	3.3	59
6	Intramolecular Phosphine-Phosphine Donor-Acceptor Complexes. Inorganic Chemistry, 2009, 48, 2500-2506.	4.0	59
7	Platinum Complexes of Dibenzo[1,2]Dithiin, Dibenzo[1,2]Dithiin Oxides and Related Polyaromatic Hydrocarbon Ligands. Chemistry - A European Journal, 2006, 12, 895-902.	3.3	49
8	E2(CN)2(E = S, Se) and Related Compounds. Inorganic Chemistry, 2006, 45, 710-716.	4.0	46
9	Geometrically Enforced Donor-Facilitated Dehydrocoupling Leading to an Isolable Arsanylidine-Phosphorane. Journal of the American Chemical Society, 2014, 136, 6247-6250.	13.7	41
10	Use of Molecular Scaffolding for the Stabilization of an Intramolecular Dative PIII-PV System. European Journal of Inorganic Chemistry, 2003, 2003, 249-254.	2.0	37
11	Bis(Cyclopentadienyl)Titanium Complexes of Naphthalene-1,8-Dithiolates, Biphenyl 2,2'-Dithiolates, and Related Ligands. Inorganic Chemistry, 2005, 44, 2710-2718.	4.0	36
12	Structural, Spectroscopic and Computational Examination of the Dative Interaction in Constrained Phosphine-Stibines and Phosphine-Stiboranes. Chemistry - A European Journal, 2015, 21, 7520-7531.	3.3	33
13	A structural study of 1,8-bis(dimethyl phosphonito) naphthalene and related crowded chalcogeno derivatives. Dalton Transactions, 2003, , 3876.	3.3	31
14	Reactivity Profile of a Peri-Substitution-Stabilized Phosphanylidene-Phosphorane: Synthetic, Structural, and Computational Studies. Inorganic Chemistry, 2014, 53, 6856-6866.	4.0	31
15	Chlorides, Oxochlorides, and Oxoacids of 1,8-Diphosphanaphthalene: A System with Imposed Close P ⁺ -P Interaction. Inorganic Chemistry, 2004, 43, 2252-2260.	4.0	29
16	New mode of sterically imposed phosphorus hypercoordination. Chemical Communications, 2003, , 1174-1175.	4.1	27
17	Investigations on Organo-Sulfur-Nitrogen Rings and the Thiocyanogen Polymer, (SCN) _x . Chemistry - A European Journal, 2006, 12, 6366-6381.	3.3	27
18	Novel small organo-P-S/Se heterocycles. Chemical Communications, 2001, , 2288-2289.	4.1	24

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19	Geminally Substituted Tris(acenaphthyl) and Bis(acenaphthyl) Arsines, Stibines, and Bismuthine: A Structural and Nuclear Magnetic Resonance Investigation. <i>Inorganic Chemistry</i> , 2016, 55, 7117-7125.	4.0	23
20	Synthesis and characterisation of four- and six-membered Pâ€“Se heterocycles. <i>Dalton Transactions</i> , 2006, , 2586-2590.	3.3	22
21	1,2â€“Diphosphaacenaphthene 1,2â€“Dications: Synthetic, Stereochemical and Computational Study of the Stabilising Role of Naphthaleneâ€“1,8â€“diyl Backbone. <i>Chemistry - A European Journal</i> , 2011, 17, 2666-2677.	3.3	22
22	Synthesis and full characterisation of 6-chloro-2-iodopurine, a template for the functionalisation of purines. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 665.	2.8	21
23	1,8,9-Substituted anthracenes, intramolecular phosphine donor stabilized metaphosphonate and phosphonium. <i>Dalton Transactions</i> , 2007, , 3289.	3.3	21
24	Prediction of a New Delocalised Bonding Motif between Group 15 or Group 16 Atoms. <i>ChemPhysChem</i> , 2011, 12, 2405-2408.	2.1	21
25	Catalytic Synthesis of Triaryl Phosphates from White Phosphorus. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 2138-2147.	2.0	20
26	Phosphonato-phosphinito peri-substituted naphthalenes. <i>Inorganica Chimica Acta</i> , 2005, 358, 1719-1723.	2.4	19
27	Synthetic, Structural, NMR, and Computational Study of a Geminally Bis(<i>peri</i> -substituted) Tridentate Phosphine and Its Chalcogenides and Transition-Metal Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 4346-4359.	4.0	18
28	peri-Substituted Phosphino-Phosphonium Salts: Synthesis and Reactivity. <i>Organometallics</i> , 2013, 32, 3481-3492.	2.3	18
29	Sterically Restricted Tin Phosphines, Stabilized by Weak Intramolecular Donorâ€“Acceptor Interactions. <i>Organometallics</i> , 2014, 33, 2424-2433.	2.3	18
30	Sterically Encumbered Tin and Phosphorus <i>peri</i> -Substituted Acenaphthenes. <i>Inorganic Chemistry</i> , 2014, 53, 8795-8808.	4.0	18
31	Dealkanative Main Group Couplings across the <i>peri</i> -Gap. <i>Journal of the American Chemical Society</i> , 2017, 139, 18545-18551.	13.7	17
32	Structural diversity of bimetallic rhodium and iridium half sandwich dithiolato complexes. <i>Dalton Transactions</i> , 2015, 44, 16758-16766.	3.3	16
33	A Study of Through-Space and Through-Bond JPP Coupling in a Rigid Nonsymmetrical Bis(phosphine) and Its Metal Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 3387-3398.	4.0	16
34	Structure and reactivity of phosphorus-selenium heterocycles with <i>peri</i> -substituted naphthalene backbones. <i>Dalton Transactions</i> , 2008, , 1908.	3.3	15
35	The preparation and characterisation of rhodium(III) and Iridium(III) half sandwich complexes with naphthalene-1,8-dithiolate, acenaphthene-5,6-dithiolate and biphenyl-2,2â€“dithiolate. <i>Journal of Organometallic Chemistry</i> , 2015, 776, 7-16.	1.8	15
36	Novel Condensed Thionated Bis(phosphonic) Acid Salts with a Rigid Naphthalene-1,8-diyl Backbone. <i>European Journal of Inorganic Chemistry</i> , 1999, 1999, 2327-2333.	2.0	14

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37	Syntheses and characterization of bis(trifluoromethyl)phosphino naphthalenes and acenaphthenes. Dalton Transactions, 2010, 39, 85-92.	3.3	14
38	Phosphorus-Selenium Heterocycles from the Tetraphospholane (PhP) ₄ CH ₂ . European Journal of Inorganic Chemistry, 2003, 2003, 1461-1467.	2.0	13
39	Phosphorus-Bismuth Peri-Substituted Acenaphthenes: A Synthetic, Structural, and Computational Study. Inorganic Chemistry, 2020, 59, 5616-5625.	4.0	13
40	THROUGH-SPACE INTERACTION OF TETHERED GROUPS IN DIPHOSPHO PERI-SUBSTITUTED NAPHTHALENES. Phosphorus, Sulfur and Silicon and the Related Elements, 2004, 179, 999-1002.	1.6	12
41	Molecular and Crystal Structures of Cp [*] M(S ₂ N ₂) (M = Co, Rh, Ir) and Related Compounds. European Journal of Inorganic Chemistry, 2009, 2009, 4483-4490.	2.0	12
42	Phosphorus peri-bridged acenaphthenes: efficient syntheses, characterisation and quaternization reactions. Dalton Transactions, 2009, , 7883.	3.3	12
43	Hydride Abstraction and Deprotonation - an Efficient Route to Low Coordinate Phosphorus and Arsenic Species. European Journal of Inorganic Chemistry, 2016, 2016, 659-666.	2.0	12
44	New P-S-N containing ring systems. Reaction of 2,4-(naphthalene-1,8-diyl)-1,3,2,4-dithiadiphosphetane 2,4-disulfide with methylbis(trimethylsilyl)amine. Journal of the Chemical Society Dalton Transactions, 1999, , 2231-2236.	1.1	10
45	Reaction of Naphthalenedithiadiphosphetanedisulphide with Ethylene Glycol. Main Group Chemistry, 1996, 1, 425-429.	0.8	8
46	New Heterocyclic Organophosphorus-Sulfur-Nitrogen Compounds, Syntheses and Structures. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1998, 624, 1497-1502.	1.2	8
47	Synthetic and Structural Study of the Coordination Chemistry of a Peri-Backbone-Supported Phosphino-Phosphonium Salt. Inorganic Chemistry, 2014, 53, 8538-8547.	4.0	8
48	Rhodium(III) and iridium(III) half-sandwich complexes with tertiary arsine and stibine ligands. Journal of Organometallic Chemistry, 2015, 799-800, 70-74.	1.8	8
49	An efficient, scalable synthesis of ferrocenylphosphine and dichloroferrocenylphosphine. RSC Advances, 2016, 6, 5973-5976.	3.6	7
50	New P-S-N containing ring systems. Reaction of 2,4-(naphthalene-1,8-diyl)-1,3,2,4-dithiadiphosphetane 2,4-disulfide and its 4-methoxynaphthalene derivative with hexamethyldisilazane. Journal of the Chemical Society Dalton Transactions, 1998, , 1175-1180.	1.1	6
51	Spontaneous dehydrocoupling in peri-substituted phosphine-borane adducts. Dalton Transactions, 2016, 45, 1976-1986.	3.3	5
52	Synthetic and Structural Study of peri-Substituted Phosphine-Arsines. Molecules, 2021, 26, 7222.	3.8	4
53	Varying the flexibility of the aromatic backbone in half sandwich rhodium(III) dithiolato complexes: A synthetic, spectroscopic and structural investigation. Cogent Chemistry, 2016, 2, 1245900.	2.5	1

#	ARTICLE	IF	CITATIONS
55	Optimised synthesis and characterisation of 1-adamantyltrimethylphosphonium iodide. Polyhedron, 2017, 133, 302-306.	2.2	0