Marek Cypryk

List of Publications by Year
in descending order

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92	2,449	257450 24	223800 46
papers	citations	h-index	g-index

98	98	98	2352
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nucleophilic Substitution at Heteroatomsâ€"Identity Substitution Reactions at Phosphorus and Sulfur Centers: Do They Proceed in a Concerted (SN2) or Stepwise (Aâ€"E) Way?. Molecules, 2022, 27, 599.	3.8	4
2	Reactions of Zirconium (IV) n â€Propoxide with SiHâ€Functional Polysiloxanes as a Route to Siloxaneâ€"Zirconium Hybrid Materials with Enhanced Refractive Index. Macromolecular Rapid Communications, 2021, 42, 2000601.	3.9	1
3	Nucleophilic Substitution at Tetracoordinate Phosphorus. Stereochemical Course and Mechanisms of Nucleophilic Displacement Reactions at Phosphorus in Diastereomeric cis- and trans-2-Halogeno-4-methyl-1,3,2-dioxaphosphorinan-2-thiones: Experimental and DFT Studies. Molecules, 2021, 26, 3655.	3.8	5
4	The Heck synthesis of Î²â€arylated ketones catalyzed by palladium immobilized on functional polysiloxane microspheres. Applied Organometallic Chemistry, 2020, 34, e5969.	3.5	0
5	Reasons for enhanced activity of doxorubicin on co-delivery with octa(3-aminopropyl)silsesquioxane. RSC Advances, 2020, 10, 15579-15585.	3.6	5
6	Effect of temperature on B(C₆F₅)₃-catalysed reduction of germanium alkoxides by hydrosilanes â€" a new route to germanium nanoparticles. Dalton Transactions, 2020, 49, 7319-7323.	3.3	0
7	Reactions of titanium alkoxide with SiH containing polymers as a route to titanium/siloxane hybrid materials with enhanced refractive index. Applied Organometallic Chemistry, 2020, 34, e5571.	3.5	8
8	Nucleophilic Substitution at Tetracoordinate Sulfur. Kinetics and Mechanism of the Chloride-Chloride Exchange Reaction in Arenesulfonyl Chlorides: Counterintuitive Acceleration of Substitution at Sulfonyl Sulfur by ortho-Alkyl Groups and Its Origin. Molecules, 2020, 25, 1428.	3.8	3
9	C5-Substituted 2-Selenouridines Ensure Efficient Base Pairing with Guanosine; Consequences for Reading the NNG-3â€² Synonymous mRNA Codons. International Journal of Molecular Sciences, 2020, 21, 2882.	4.1	15
10	Kinetic and mechanistic studies of the transformation of the catalyst, tris(pentafluorophenyl)borane, in the presence of silyl and germyl hydrides. Journal of Catalysis, 2019, 379, 90-99.	6.2	10
11	Hydrolysis of trialkoxysilanes catalysed by the fluoride anion. Nucleophilic vs. basic catalysis. New Journal of Chemistry, 2019, 43, 15222-15232.	2.8	8
12	1-(Acylamino)alkylphosphonic Acidsâ€"Alkaline Deacylation. Molecules, 2018, 23, 859.	3.8	5
13	Reaction of Silyl Hydrides with Tetrabutoxygermanium in the Presence of B(C₆F₅)₃: Difference between Silicon and Germanium Chemistries and Easy Route to GeH₄. Organometallics, 2018, 37, 1585-1590.	2.3	7
14	C5-substituents of uridines and 2-thiouridines present at the wobble position of tRNA determine the formation of their keto-enol or zwitterionic forms - a factor important for accuracy of reading of guanosine at the 3â€²-end of the mRNA codons. Nucleic Acids Research, 2017, 45, gkw1347.	14.5	24
15	1-(N-Acylamino)alkylphosphonic acidsâ€"Deacylation in aqueous solutions. Phosphorus, Sulfur and Silicon and the Related Elements, 2017, 192, 651-658.	1.6	2
16	Steady State and Equilibrium in Reversible Copolymerization at Constant Comonomer Concentrations. Macromolecular Theory and Simulations, 2017, 26, 1700039.	1.4	2
17	Polymerization of Cyclic Siloxanes, Silanes, and Related Monomers. , 2016, , .		1
18	Evolution of Chain Microstructure and Kinetics of Reaching Equilibrium in Living Reversible Copolymerization. Macromolecular Theory and Simulations, 2016, 25, 196-214.	1.4	11

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19	Unexpected formation of a significant amount of polymer primary hydroxyl groups in synthesis of star-shaped polymer from linear alcoholate chains and diepoxides. Polymer, 2016, 99, 713-720.	3.8	1
20	New palladium catalyst immobilized on epoxy resin: synthesis, characterization and catalytic activity. Applied Organometallic Chemistry, 2016, 30, 4-11.	3.5	4
21	Stereoselective Cyclopropanation as a Way to 1â€Aminocyclopropaneâ€1â€phosphonic Acids: Rationale for Phosphoryl Group Migration. European Journal of Organic Chemistry, 2016, 2016, 2064-2074.	2.4	7
22	Computational benchmark for calculation of silane and siloxane thermochemistry. Journal of Molecular Modeling, 2016, 22, 35.	1.8	21
23	Carbonylative Suzukiâ€“Miyaura coupling catalyzed by palladium supported on aminopropyl polymethylsiloxane microspheres under atmospheric pressure of CO. Journal of Molecular Catalysis A, 2016, 417, 76-80.	4.8	24
24	Polysiloxanes as supports for transition metal catalysts. Polimery, 2016, 61, 407-412.	0.7	1
25	2-Thiouracil deprived of thiocarbonyl function preferentially base pairs with guanine rather than adenine in RNA and DNA duplexes. Nucleic Acids Research, 2015, 43, 2499-2512.	14.5	32
26	Palladium supported on aminopropyl-functionalized polymethylsiloxane microspheres: Simple and effective catalyst for the Suzukiâ€“Miyaura Câ€“C coupling. Journal of Molecular Catalysis A, 2015, 407, 230-235.	4.8	16
27	New precursors to SiCO ceramics derived from linear poly(vinylsiloxanes) of regular chain composition. Journal of the European Ceramic Society, 2014, 34, 889-902.	5.7	28
28	Palladium supported on triazolyl-functionalized polysiloxane as recyclable catalyst for Suzukiâ€“Miyaura cross-coupling. Applied Catalysis A: General, 2014, 470, 24-30.	4.3	30
29	Differentiation of Diastereoisomers of Protected 1,2-Diaminoalkylphosphonic Acids by EI Mass Spectrometry and Density Functional Theory. Journal of the American Society for Mass Spectrometry, 2013, 24, 388-398.	2.8	3
30	Molecular modeling of the lipase-catalyzed hydrolysis of acetoxymethyl(i-propoxy)phenylphosphine oxide and its P-borane analogue. Journal of Molecular Graphics and Modelling, 2012, 38, 290-297.	2.4	12
31	Polymerization of Cyclic Siloxanes, Silanes, and Related Monomers. , 2012, , 451-476.		9
32	Structure and reactivity of thiosulfonic acids and their anions: A theoretical study. Heteroatom Chemistry, 2012, 23, 329-339.	0.7	1
33	Cross-linking of linear vinylpolysiloxanes by hydrosilylation â€“ FTIR spectroscopic studies. Vibrational Spectroscopy, 2012, 59, 1-8.	2.2	50
34	Rhodium(I) complex catalyst immobilized on terpolymers of Nâ€vinylpyrrolidinone and 1â€vinylimidazole. Journal of Applied Polymer Science, 2012, 124, 3538-3546.	2.6	3
35	Lipase-mediated stereoselective transformations of chiral organophosphorus P-boranes revisited: revision of the absolute configuration of alkoxy(hydroxymethyl)phenylphosphine P-boranes. Tetrahedron: Asymmetry, 2011, 22, 1581-1590.	1.8	29
36	Reusable functionalized polysiloxane-supported palladium catalyst for Suzukiâ€“Miyaura cross-coupling. Journal of Catalysis, 2011, 282, 270-277.	6.2	35

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37	DFT Study of the Silyl Esters of Thiophosphorus Acids. Silicon, 2010, 2, 247-252.	3.3	0
38	Soluble polysiloxane-supported palladium catalysts for the Mizorokiâ€“Heck reaction. Journal of Molecular Catalysis A, 2010, 319, 30-38.	4.8	32
39	Limitations, mechanism and understanding of the origins of stereocontrol in (S)-dimethylsulfonium-(p-tolylsulfinyl)methylide-mediated epoxidation reactions. Tetrahedron: Asymmetry, 2010, 21, 177-186.	1.8	9
40	Copolymerization of functional cyclotrisiloxanes â€“ a reactivity comparison. Polimery, 2010, 55, 503-511.	0.7	6
41	Studies on the Efficient Generation of Phosphorusï£¿Carbon Bonds via a Rearrangement of P^{III} Esters Catalysed by Trimethylhalosilanes. Chemistry - A European Journal, 2009, 15, 1747-1756.	3.3	24
42	Controlled synthesis of trifluoropropylmethylsiloxaneâ€“dimethylsiloxane gradient copolymers by anionic ROP of cyclotrisiloxanes. Journal of Polymer Science Part A, 2009, 47, 1204-1216.	2.3	42
43	Boronation of 1,8-Bis(diphenylphosphino)naphthalene: Formation of Cyclic Boronium Salts. Organometallics, 2009, 28, 4929-4937.	2.3	20
44	Soluble Alkylthiopolysiloxane-Supported Palladium Catalysts for the Heck Reaction. Phosphorus, Sulfur and Silicon and the Related Elements, 2009, 184, 1586-1598.	1.6	7
45	Quantum chemical study of thiosulfinic acids and their anions. Computational and Theoretical Chemistry, 2008, 863, 105-110.	1.5	6
46	Synthesis ofp-(Di-tert-butyl[18F]fluorosilyl)benzaldehyde ([18F]SiFA-A) with High Specific Activity by Isotopic Exchange: A Convenient Labeling Synthon for the18F-Labeling of N-amino-oxy Derivatized Peptides. Bioconjugate Chemistry, 2007, 18, 2085-2089.	3.6	94
47	Living ring-opening polymerizations of heterocyclic monomers. Progress in Polymer Science, 2007, 32, 247-282.	24.7	343
48	Modifications of siloxane polymers. Polimery, 2007, 52, 496-502.	0.7	2
49	Application of 29Si NMR spectroscopy in organosilicon polymersâ€™ investigations. Polimery, 2007, 52, 730-735.	0.7	6
50	Novel tetrahedral tetranickel cluster with alkylidyne ligand (NiCp)4(Î¼3-CR). Journal of Organometallic Chemistry, 2006, 691, 5825-5830.	1.8	3
51	Enantiodifferentiation of a silane and the analogous hydrocarbon by the dirhodium methodâ€”silaneâ‹¯dirhodium complex interaction. Tetrahedron: Asymmetry, 2006, 17, 1743-1748.	1.8	12
52	Asymmetric Cyclopropanation of Optically Active (1-Diethoxyphosphoryl)vinylp-Tolyl Sulfoxide with Sulfur Ylides: A Rationale for Diastereoselectivity. European Journal of Organic Chemistry, 2005, 2005, 653-662.	2.4	24
53	Mechanism of the B(C6F5)3-Catalyzed Reaction of Silyl Hydrides with Alkoxysilanes. Kinetic and Spectroscopic Studies. Organometallics, 2005, 24, 6077-6084.	2.3	142
54	Hydrolysis of Fluorosilanes:â€‰ A Theoretical Study. Journal of Physical Chemistry A, 2005, 109, 12020-12026.	2.5	16

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55	Kinetics and Mechanism of Cyclic Esters Polymerization Initiated with Tin(II) Octoate. Polymerization of Îµ-Caprolactone andl,l-Lactide Co-initiated with Primary Amines. Macromolecules, 2005, 38, 8170-8176.	4.8	172
56	Polysiloxanol condensation and disproportionation in the presence of a superacid. Journal of Organometallic Chemistry, 2004, 689, 705-713.	1.8	17
57	Mechanism of the cationic ring opening polymerization of cyclosiloxanes - interpretation of new results. Polimery, 2004, 49, 491-497.	0.7	4
58	Tertiary trisilyloxonium ion in cationic ring-opening polymerisation of a model cyclic siloxane, octamethyl-1,4-dioxatetrasilacyclohexane. Journal of Organometallic Chemistry, 2003, 686, 373-378.	1.8	20
59	Comparison of steric hindrance in silylenium and carbenium cations and their complexes. Journal of Organometallic Chemistry, 2003, 686, 164-174.	1.8	4
60	Organic polysilanes interrupted by heteroatoms. Progress in Polymer Science, 2003, 28, 691-728.	24.7	31
61	Synthesis of Branched Polysiloxanes with Controlled Branching and Functionalization by Anionic Ring-Opening Polymerization. Macromolecules, 2003, 36, 3890-3897.	4.8	82
62	Cationic Polymerization of a Model Cyclotrisiloxane with Mixed Siloxane Units Initiated by a Protic Acid. Mechanism of Polymer Chain Formation. Macromolecules, 2002, 35, 9904-9912.	4.8	34
63	Mechanism of the Acid-Catalyzed Siâ^'O Bond Cleavage in Siloxanes and Siloxanols. A Theoretical Study. Organometallics, 2002, 21, 2165-2175.	2.3	171
64	Silanones and metasilicates from negatively charged ĩ^†SiO(â^') and ĩ^…SiO2(2â^') precursors. Theoretical study. Journal of Organometallic Chemistry, 2002, 642, 163-170.	1.8	11
65	Polycondensation and disproportionation of an oligosiloxanol in the presence of a superbase. Journal of Organometallic Chemistry, 2002, 660, 14-26.	1.8	15
66	Controlled synthesis of vinylmethylsiloxaneâ€“dimethylsiloxane gradient, block and alternate copolymers by anionic ROP of cyclotrisiloxanes. Polymer, 2002, 43, 1993-2001.	3.8	51
67	Thermochemistry of Redistribution of Poly[oxymulti(dimethylsilylenes)], â€”[(Me2Si)mO]nâ€”, to Polysiloxanes and Polysilanes. Theoretical Study. Macromolecular Theory and Simulations, 2001, 10, 158-164.	1.4	15
68	Microstructure of the Copolymer Chain Generated by Anionic Ring-Opening Polymerization of a Model Cyclotrisiloxane with Mixed Siloxane Units1. Macromolecules, 2000, 33, 1536-1545.	4.8	34
69	Synthesis of Linear Polysiloxanes. , 2000, , 3-41.		44
70	Structural Studies of the Bisimidazole 5,5-Dimethyl-1,3,2-Dioxaphosphorinane-2-Thioxo-2-Hydroxy Complex. Journal of Physical Chemistry B, 1998, 102, 4488-4494.	2.6	11
71	Selectivity of siloxaneâ€siloxane copolymer synthesis by ring opening polymerization. Macromolecular Symposia, 1998, 132, 405-414.	0.7	2
72	Ab Initio Study of Silyloxonium Ions. Organometallics, 1997, 16, 5938-5949.	2.3	40

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73	Interactions of hexachlorodiphosphazenium ion with an alcohol and with some siliconâ€"oxygen reagents and their role in the catalysis of polycondensation in silanolâ€"alkoxysilane systems. Journal of Organometallic Chemistry, 1996, 526, 351-361.	1.8	4
74	Novel structural and thermotropic behavior of poly(diphenylphosphazene). Macromolecular Chemistry and Physics, 1994, 195, 1823-1842.	2.2	11
75	Acid-Catalyzed Condensation of Model Oligo(dimethylsiloxanediol)s. Macromolecules, 1994, 27, 6245-6253.	4.8	17
76	Disproportionation of oligodimethylsiloxanols in the presence of a protic acid in dioxane. Journal of Organometallic Chemistry, 1993, 446, 91-97.	1.8	17
77	Behavior of oligo(dimethylsiloxanols) in the presence of protic acids in an acid-base inert solvent. Kinetics of the competition of disproportionation, ester formation, and condensation. Macromolecules, 1993, 26, 5389-5395.	4.8	19
78	Ringâ€opening polymerization of strained cyclotetrasilanes as a new route towards well defined polysilylenes. Makromolekulare Chemie Macromolecular Symposia, 1993, 73, 167-176.	0.6	19
79	Fluorine-19 NMR studies of the reaction of octaphenylcyclotetrasilane with triflic acid. Organometallics, 1992, 11, 3257-3262.	2.3	13
80	Monte Carlo simulation of the cyclization-chain extension kinetics for the cationic polymerization of hexamethylcyclotrisiloxane. Macromolecules, 1991, 24, 2498-2505.	4.8	11
81	Anionic ring-opening polymerization of 1,2,3,4-tetramethyl-1,2,3,4-tetraphenylcyclotetrasilane. Journal of the American Chemical Society, 1991, 113, 1046-1047.	13.7	121
82	The extension of the mechanistic concept of the nucleophilic catalysis in the silicon chemistry to some reactions of the P(III) center: Analogies between silylation and phosphorylation. Heteroatom Chemistry, 1991, 2, 63-70.	0.7	9
83	The reactivity of monomeric silanol intermediates in the hydrolytic polycondensation of tetraethoxysilane in acidic media. Journal of Non-Crystalline Solids, 1990, 125, 40-49.	3.1	36
84	Kinetics of the condensation of oligosiloxanes containing acetoxyl and hydroxyl end groups catalyzed by uncharged nucleophiles in an acid-base inert solvent. Journal of Organometallic Chemistry, 1989, 377, 197-204.	1.8	8
85	Condensation of model linear siloxane oligomers possessing silanol and silyl chloride end groups. The mechanism of silanol silylation by a chlorosilane in the presence of neutral nucleophiles. Journal of Organometallic Chemistry, 1989, 367, 27-37.	1.8	42
86	Optically active silyl esters of phosphorus. II. Stereochemistry of reactions with nucleophiles. Tetrahedron, 1989, 45, 4403-4414.	1.9	10
87	Optically active triorganosilyl esters of phosphorus synthesis and structure. Tetrahedron, 1986, 42, 385-397.	1.9	9
88	Interaction of P(III) compounds with silyl halides. Tetrahedron, 1985, 41, 2471-2477.	1.9	18
89	The nature and consequences of the interaction of phosphoryl nucleophiles with a triorganosilyl chloride. Journal of Organometallic Chemistry, 1985, 288, 275-282.	1.8	12
90	The mechanism of the reaction of organic phosphites with trialkylsilyl iodide. Iodoanhydrides of PIII, acids as intermediates. Journal of Organometallic Chemistry, 1981, 215, 355-365.	1.8	14

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91	Synthetic and mechanistic aspects of the reaction of trialkylsilyl halides with thio and seleno esters of phosphorus. Journal of Organometallic Chemistry, 1979, 171, 17-34.	1.8	43
92	The nature of the interaction between hexamethyl-phosphortriamide and trimethylhalosilanes; cations containing tetracovalent silicon as possible intermediates in nucleophile-induced substitution of silicon halides. Journal of Organometallic Chemistry, 1978, 161, C31-C35.	1.8	48