

# Karel Mach

## List of Publications by Year in descending order

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173  
papers

3,129  
citations

172457

29  
h-index

276875

41  
g-index

173  
all docs

173  
docs citations

173  
times ranked

1106  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of $\eta^5$ -( $\eta^5$ -fulvalene)-di- $\eta^4$ -hydrido-bis( $\eta^5$ -cyclopentadienyltitanium) by the reduction of $\text{Cp}_2\text{TiCl}_2$ with $\text{LiAlH}_4$ in aromatic solvents. <i>Transition Metal Chemistry</i> , 1981, 6, 90-93.	1.4	102
2	Bis( $\eta^5$ -tetramethyl(trimethylsilyl)cyclopentadienyl)titanium(II) and Its $\pi$ -Complexes with Bis(trimethylsilyl)acetylene and Ethylene. <i>Organometallics</i> , 1999, 18, 3572-3578.	2.3	86
3	Bis(tetramethylcyclopentadienyl)titanium Chemistry. Molecular Structures of $[(\text{C}_5\text{HMe}_4)\eta^5\text{Ti}]_2$ and $[(\text{C}_5\text{HMe}_4)_2\text{Ti}]_2\text{N}_2$ . <i>Organometallics</i> , 1996, 15, 4977-4983.	2.3	83
4	Titanocene-bis(trimethylsilyl)acetylene complexes: effects of methyl substituents at the cyclopentadienyl ligands on the structure of thermolytic products. <i>Journal of Organometallic Chemistry</i> , 1996, 506, 241-251.	1.8	74
5	Methyl-Substituted Zirconocene $\pi$ -Bis(trimethylsilyl)acetylene Complexes $(\text{C}_5\text{H}_5\text{-}n\text{Men})_2\text{Zr}(\eta^5\text{-C}_5\text{Me}_4\text{SiMe}_3)_2$ ( $n = 2\text{--}5$ ). <i>Organometallics</i> , 1996, 15, 3752-3759.	2.3	66
6	[ $6+2$ ]Cycloadditions catalyzed by titanium complexes. <i>Tetrahedron</i> , 1984, 40, 3295-3302.	1.9	63
7	Substituent effects in cyclic voltammetry of titanocene dichlorides. <i>Journal of Organometallic Chemistry</i> , 1999, 579, 348-355.	1.8	58
8	Effects of methyl substituents at the cyclopentadienyl ligand on the properties of $\text{C}_5\text{H}_5\text{TiCl}_3$ and $\text{C}_5\text{H}_5\text{TiAl}_2\text{Cl}_8\text{-x}(\text{C}_2\text{H}_5)_x$ ( $x = 0\text{--}4$ ) complexes. <i>Journal of Organometallic Chemistry</i> , 1987, 333, 205-215.	1.8	51
9	Direct proof of the molecular structure of dimeric titanocene; The X-ray structure of $\eta^5$ -( $\eta^5$ -fulvalene)-di- $\eta^4$ -hydrido-bis( $\eta^5$ -cyclopentadienyltitanium) $\cdot 1.5$ benzene. <i>Journal of Organometallic Chemistry</i> , 1992, 427, 49-55.	1.8	47
10	Reduction of Bis( $\eta^5$ -( $\eta^5$ -alkenyl)tetramethylcyclopentadienyl)titanium Dichlorides: An Efficient Synthesis of Long-Chainansa-Bridged Titanocene Dichlorides by Acidolysis of Cyclopentadienyl-Ring-Tethered Titanacyclopentanes. <i>Chemistry - A European Journal</i> , 2000, 6, 2397-2408.	3.3	47
11	Synthesis and crystal structures of thermally stable titanocenes. <i>Journal of Organometallic Chemistry</i> , 2002, 663, 134-144.	1.8	43
12	Titanium-catalyzed head-to-tail dimerization of tert-butylacetylene. Crystal structures of $[(\text{C}_5\text{HMe}_4)_2\text{Ti}(\eta^5\text{-H})_2\text{Mg}(\text{THF})(\eta^5\text{-Cl})_2]$ (THF-tetrahydrofuran) and $(\text{C}_5\text{HMe}_4)_2\text{TiOCMe}_3$ . <i>Journal of Organometallic Chemistry</i> , 1999, 577, 103-112.	1.8	42
13	Titanium-magnesium-assisted scission of 1,4-bis(trimethylsilyl)-1,3-butadiyne: synthesis and structure of a titanium(III) tweezer complex, $[(\eta^5\text{-C}_5\text{HMe}_4)_2\text{Ti}(\eta^5\text{-C}_5\text{HMe}_4)_2][\text{Mg}(\text{THF})\text{Cl}]$ . <i>Organometallics</i> , 1993, 12, 2820-2824.	2.3	41
14	Synthesis, crystal structures and some properties of dimethylsilylene-bridged ansa-permethyltitanocene [Ti(IV), (III) and (II)] complexes. <i>Journal of Organometallic Chemistry</i> , 1997, 538, 63-74.	1.8	41
15	Photoinduced Generation of Catalytic Complexes from Substituted-Titanocene $\pi$ -Bis(trimethylsilyl)ethyne Complexes: Contribution to the Mechanism of the Catalytic Head-to-Tail Dimerization of Terminal Alkynes. <i>Organometallics</i> , 1999, 18, 4869-4880.	2.3	40
16	Activation of the (Trimethylsilyl)tetramethylcyclopentadienyl Ligand in Zirconocene Complexes. <i>Organometallics</i> , 2003, 22, 861-869.	2.3	40
17	Reduction-Induced Cyclization and Redox Reactions of Fully Methylated Titanocene Dichlorides Bearing Pendant Alkenyldimethylsilyl Groups, $[\text{TiCl}_2\{\eta^5\text{-C}_5\text{Me}_4(\text{SiMe}_2\text{R})\}_2]$ (R = Vinyl and Allyl). <i>Organometallics</i> , 2002, 21, 2639-2653.	2.3	39
18	Electron spin resonance spectra of methyl-substituted titanocene(III) halides. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 683.	1.1	37

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19	Novel Addition Reactions of 2,2,7,7-Tetramethyl-3,5-octadiyne to the Methyl Groups of a $\eta^5$ -Pentamethylcyclopentadienyl Ligand. <i>Journal of the American Chemical Society</i> , 1999, 121, 10638-10639.	13.7	36
20	Activation of the (Trimethylsilyl)tetramethylcyclopentadienyl Ligand in the $[(C_5Me_4(SiMe_3))_2TiCl_2/Mg]$ System, Yielding Intramolecular $\sigma^{C-H}Mg$ and $\sigma^{C-H}Ti$ Bonds. Molecular Structures of $\{[\eta^5-C_5Me_4SiMe_2(\eta^5-CH_2\{Mg, Mg\})][\eta^5-C_5Me_4(SiMe_3)]TiIII(\eta^5-H)2Mg(THF)\}_2$ and $[\eta^5-\eta^1-C_5Me_4SiMe_2CH_2][\eta^5-C_5Me_4(SiMe_3)]TiIII$ . <i>Organometallics</i> , 1997, 16, 4185-4191.	2.3	35
21	The crystal and molecular structure of $[(C_5HMe_4)TiBr(\eta^5-O)]_4$ and $[(C_5Me_5)TiBr(\eta^5-O)]_3$ , by-products from the preparation of titanocene dibromides. <i>Journal of Organometallic Chemistry</i> , 1991, 402, 201-207.	1.8	33
22	Formation of fulvene and dimethylenecyclopentenyl titanium complexes from bis( $\eta^5$ -tetramethylcyclopentadienyl)titanium(IV) precursors. <i>Journal of Organometallic Chemistry</i> , 1991, 415, 87-95.	1.8	33
23	$(C_5H_5-nMen)_2TiCl_2/Mg/Me_3SnC.tpbond.CSnMe_3$ ( $n = 0, 2-5$ ) Systems. Formation and Crystal Structures of $(C_5Me_5)_2Ti(\eta^5-C_5Me_3SnC.tpbond.CSnMe_3)$ and $[(C_5H_5-nMen)_2Ti(\eta^5-C_5Me_3)]_2$ ( $n = 0, 2$ ) Complexes. <i>Organometallics</i> , 1995, 14, 1410-1416.	2.3	33
24	Permethyltitanocene-bis(trimethylsilyl) acetylene, an efficient catalyst for the head-to-tail dimerization of 1-alkynes. <i>Journal of Organometallic Chemistry</i> , 1996, 509, 235-240.	1.8	32
25	Reactions of Substituted Zirconocene $\eta^5$ -Bis(trimethylsilyl)ethyne Complexes with Terminal Alkynes. <i>Organometallics</i> , 2004, 23, 3388-3397.	2.3	32
26	Reactivity of titanium(II) Arene derivatives with substituted alkynes. Cyclooligomerization reactions and crystal and molecular structure of $[\eta^5-C_5H_4(C_6H_5)_4(C_6H_5)_6(C_6H_5)_4]Ti[(\eta^5-C_5H_4Br)_2(AlBr_3)_2]_2$ . <i>Chemische Berichte</i> , 1989, 122, 2229-2238.	0.2	31
27	Crystal structures of titanocene 2,2'-bipyridyl complexes. Singlet versus triplet state-dependence on methyl substituents at the cyclopentadienyl ligands. <i>Journal of Organometallic Chemistry</i> , 1998, 551, 207-213.	1.8	31
28	Syntheses and Crystal Structures of Bis[(trimethylsilyl)tetramethylcyclopentadienyl]titanium Dichloride and Monochloride. <i>Collection of Czechoslovak Chemical Communications</i> , 1996, 61, 1307-1320.	1.0	30
29	Synthesis and crystal structure of decamethyltitanocene hydroxide. <i>Inorganic Chemistry Communication</i> , 2004, 7, 155-159.	3.9	30
30	Crystal and molecular structure of bis(tetramethylcyclopentadienyl)titanium halides, $(C_5HMe_4)_2TiCl$ , $(C_5HMe_4)_2TiI$ and $(C_5HMe_4)_2TiCl_2$ . <i>Journal of Organometallic Chemistry</i> , 1993, 447, 221-225.	1.8	29
31	Dimeric titanocene hydride-hydridomagnesium chloride and bromide complexes. Crystal structures of the tetramethylcyclopentadienyl derivatives. <i>Journal of Organometallic Chemistry</i> , 1993, 461, 85-90.	1.8	29
32	Cyclic voltammetry of methyl- and trimethylsilyl-substituted zirconocene dichlorides. <i>Journal of Organometallic Chemistry</i> , 1999, 584, 323-328.	1.8	29
33	Ethyl-substituted ( $\eta^5$ -cyclopentadienyl)-bis(dihaloalane $\eta^5$ -halo)titanium(III) and ( $\eta^6$ -benzene)bis(dihaloalane $\eta^5$ -halo)titanium(II) chloro and bromo complexes. <i>Journal of Organometallic Chemistry</i> , 1980, 194, 285-295.	1.8	28
34	Titanium-catalyzed cycloaddition reactions of phenyl(trimethylsilyl)acetylene to conjugated dienes and 1,3,5-cycloheptatriene. 1-Phenyl-2-(trimethylsilyl)-cyclohexa-1,4-dienes and their aromatization. <i>Journal of Organometallic Chemistry</i> , 1992, 436, 143-153.	1.8	28
35	Electron transfer in the reactions of titanocene-bis(trimethylsilyl) acetylene complexes with 2,2'-bipyridine and 4,5-diazafluorene. The crystal structure of (4,5-diazafluorenyl) bis(pentamethylcyclopentadienyl) titanium(III). <i>Journal of Organometallic Chemistry</i> , 1996, 519, 195-204.	1.8	28
36	Reactions of methyl-substituted titanocene $\eta^5$ -bis(trimethylsilyl)acetylene complexes with acetone azine: crystal structures of $(\eta^5-\eta^1-C_5HMe_3CH_2CMe_2NH)_2Ti$ and $(C_5Me_5)_2Ti(NR^...CMe_2)$ . <i>Journal of Organometallic Chemistry</i> , 2000, 597, 146-156.	1.8	27

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37	Effect of the Trimethylsilyl Substituent on the Reactivity of Permethyltitanocene. <i>Organometallics</i> , 2007, 26, 3100-3110.	2.3	27
38	Ethene Complexes of Bulky Titanocenes, Their Thermolysis, and Their Reactivity toward 2-Butyne. <i>Organometallics</i> , 2012, 31, 5478-5493.	2.3	27
39	Easy formation of titanocene hydride-magnesium complexes in the (C <sub>5</sub> H <sub>5</sub> ) <sub>n</sub> Men)2TiCl <sub>2</sub> (n =) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.8	26
40	[ $\eta^6$ - $\eta^2$ ] Cycloadditions catalysed by the TiCl <sub>4</sub> -Et <sub>2</sub> AlCl system. <i>Journal of the Chemical Society Chemical Communications</i> , 1983, .	2.0	25
41	Evaluation of the Oxygen $\eta$ -Donation in Permethyltitanocene Silanolates and Alcoholates. <i>Organometallics</i> , 2009, 28, 1748-1757.	2.3	23
42	Influence of the Ti $\eta$ -O $\eta$ -C Angle on the Oxygen-to-Titanium $\eta$ -Donation in [Cp <sub>2</sub> Ti(III)OR] Complexes. <i>Organometallics</i> , 2010, 29, 3780-3789.	2.3	23
43	Frontier occupied orbitals in methyl-substituted fulvene and dimethylenecyclopentenyltitanium complexes by UV-photoelectron spectroscopy and EHT calculations. <i>Journal of Organometallic Chemistry</i> , 1992, 425, 27-39.	1.8	22
44	Electron spin resonance spectroscopy of Mn(CO) <sub>5</sub> $\dot{\Lambda}$ radicals generated in the gas phase thermolysis of Mn <sub>2</sub> (CO) <sub>10</sub> . <i>Journal of Organometallic Chemistry</i> , 1992, 439, 341-345.	1.8	22
45	Synthesis and structure of titanium(III) tweezer complexes with embedded alkali metal ions: [( $\eta^5$ -C <sub>5</sub> HMe <sub>4</sub> ) <sub>2</sub> Ti( $\eta^1$ -C $\eta^1$ - $\eta^4$ CSiMe <sub>3</sub> ) <sub>2</sub> ] $\dot{\Lambda}$ M <sup>+</sup> (M $\eta$ → Li, Na, K, and Cs). <i>Journal of Organometallic Chemistry</i> , 1996, 515, 57-64.	1.8	22
46	Facile Functionalizations of Permethyltitanocene Dichloride to Chiral Persubstituted Titanocene Complexes. <i>Organometallics</i> , 2000, 19, 2816-2819.	2.3	22
47	Reactions of titanocene-bis(trimethylsilyl)ethyne complexes with diethynylsilane derivatives. <i>Journal of Organometallic Chemistry</i> , 2001, 628, 30-38.	1.8	22
48	Syntheses and properties of some exo,exo-bis(isodicyclopentadienyl)titanium low-valent complexes. <i>Journal of Organometallic Chemistry</i> , 2002, 656, 81-88.	1.8	22
49	Reactions of Hydrogen Sulfide with Singly and Doubly Tucked-in Titanocenes. <i>Organometallics</i> , 2011, 30, 1034-1045.	2.3	22
50	Synthesis and X-ray crystal structure of the permethyltitanocene hydride $\eta$ -magnesium hydride 1174-1175.	2.0	21
51	A titanium(III) tweezer complex with an embedded alkali metal ion between diyne ligands: [(C <sub>5</sub> HMe <sub>4</sub> ) <sub>2</sub> Ti( $\eta^1$ -C $\eta^1$ - $\eta^4$ CC $\eta^1$ - $\eta^4$ CSiMe <sub>3</sub> ) <sub>2</sub> ] $\dot{\Lambda}$ [Li(THF) <sub>2</sub> ] <sup>+</sup> . <i>Journal of Organometallic Chemistry</i> , 1996, 506, 109-112.	1.8	21
52	The Dimeric Structure of Bis(1,3-Dimethylcyclopentadienyl)titanium(III) Chloride. <i>Collection of Czechoslovak Chemical Communications</i> , 1996, 61, 1285-1294.	1.0	21
53	Fermethyltitanocene(III) diacetylide - magnesium tweezer complexes, intermediates in the catalysis of linear head-to-tail dimerization of terminal acetylenes. <i>Journal of Organometallic Chemistry</i> , 1997, 532, 251-259.	1.8	21
54	Formation of a binuclear titanocene hydride $\eta$ -magnesium hydride carbyl-bridged complex in the (C <sub>5</sub> Me <sub>4</sub> Ph) <sub>2</sub> TiCl <sub>2</sub> /Mg/THF system. <i>Inorganic Chemistry Communication</i> , 1999, 2, 540-544.	3.9	21

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55	A study of the preparation and properties of copper-containing optical planar glass waveguides. <i>Solid State Ionics</i> , 2001, 141-142, 609-615.	2.7	21
56	Nonclassical Bonding in Titanasilacyclohexadiene Compounds Resulting from Highly Methyl-Substituted Titanocene $\eta^5$ Bis(trimethylsilyl)ethyne Complexes and Bis((trimethylsilyl)ethynyl)silanes. <i>Organometallics</i> , 2005, 24, 6094-6103.	2.3	21
57	Preparation of halogen-modified titanium(II) arene complexes and their electronic spectra. <i>Transition Metal Chemistry</i> , 1978, 3, 127-130.	1.4	20
58	Preparation of Conjugated Dienes and Ethylidenecycloalkanes by Double-Bond Shift Catalyzed by Titanocene Derivatives. <i>Synthesis</i> , 1982, 1982, 53-55.	2.3	20
59	The catalytic system [(C <sub>5</sub> H <sub>5</sub> ) <sub>2</sub> TiCl] <sub>2</sub> /LiAlH <sub>4</sub> in aromatic solvents. <i>Journal of Organometallic Chemistry</i> , 1983, 248, 287-298.	1.8	20
60	Polymethylcyclopentadienyltitanocene tetrahydroaluminates and their reaction with butadiene; a spectroscopic study. <i>Journal of Organometallic Chemistry</i> , 1988, 358, 123-133.	1.8	20
61	Synthesis and structure of a novel $\mu$ -dimethyldimethylenecyclopentenyl bis( $\mu$ -hydrido) mixed-valence titanium(III)/titanium(II) compound. <i>Organometallics</i> , 1993, 12, 3387-3389.	2.3	20
62	Linear Dimerization of Terminal Alkynes by Bis(tetramethylphenylcyclopentadienyl)titanium-Magnesium Hydride and Acetylide Complexes. <i>Collection of Czechoslovak Chemical Communications</i> , 2003, 68, 1877-1896.	1.0	20
63	Syntheses and Crystal Structures of Dichlorobis[tetramethyl(phenyl)cyclopentadienyl]titanium(IV) and Chlorobis[tetramethyl(phenyl)cyclopentadienyl]titanium(III). <i>Collection of Czechoslovak Chemical Communications</i> , 1999, 64, 61-72.	1.0	20
64	Synthesis and crystal structure of a zirconium(III) diacetylide tweezer complex: [( $\eta$ -5-C <sub>5</sub> HMe <sub>4</sub> ) <sub>2</sub> Zr( $\eta$ -1-C $\equiv$ CSiMe <sub>3</sub> ) <sub>2</sub> ]-K <sup>+</sup> . <i>Journal of Organometallic Chemistry</i> , 1998, 553, 15-22.	1.8	19
65	Synthesis and crystal structures of $\eta$ -5-( $\eta$ -5-C <sub>5</sub> HMe <sub>4</sub> ) <sub>2</sub> TiCl <sub>2</sub> and a doubly tucked-in product of its thermolysis. <i>Journal of Organometallic Chemistry</i> , 2002, 658, 235-241.	1.8	19
66	$\eta$ -5-Pentabenzylcyclopentadienyl derivatives of titanium (IV), (III), and (II). The crystal structures of ( $\eta$ -5-C <sub>5</sub> H <sub>5</sub> )( $\eta$ -5-C <sub>5</sub> Bz <sub>5</sub> )TiCl <sub>2</sub> (Bz = benzyl), ( $\eta$ -5-C <sub>5</sub> H <sub>5</sub> )( $\eta$ -5-C <sub>5</sub> Bz <sub>5</sub> )TiCl, and ( $\eta$ -5-C <sub>5</sub> H <sub>5</sub> )( $\eta$ -5-C <sub>5</sub> Bz <sub>5</sub> )Ti[ $\eta$ -2-(CSiMe <sub>3</sub> ) <sub>2</sub> ]. <i>Journal of Organometallic Chemistry</i> , 1994, 482, 231-241.	1.8	18
67	Reduction-induced double bond coordination and multiple C $\equiv$ H activation in fully-substituted titanocenes bearing a pendant double bond or an eight-membered hydrocarbyl ansa-chain. <i>Journal of Organometallic Chemistry</i> , 2003, 667, 154-166.	1.8	18
68	Reactivity of SiMe <sub>2</sub> H Substituents in Permethylated Titanocene Complexes: Dehydrocoupling and Ethene Hydrosilylation. <i>Organometallics</i> , 2008, 27, 2635-2642.	2.3	18
69	Methyl-substituted cyclopentadienyl ligands: influence on the properties of titanocene chloro(ethyl)aluminates. <i>Journal of Organometallic Chemistry</i> , 1988, 347, 85-92.	1.8	17
70	Gas-phase photoelectron studies of bis(cyclopentadienyl)titanium(III) halides. <i>Organometallics</i> , 1992, 11, 2030-2034.	2.3	17
71	Dimeric Structures of Cp'TiCl <sub>2</sub> Compounds with Bulky Substituents at the Cyclopentadienyl Rings. <i>Collection of Czechoslovak Chemical Communications</i> , 1998, 63, 636-645.	1.0	17
72	Zwitterionic complexes arising from the reaction of tucked-in titanocenes with tris(pentafluorophenyl)borane. <i>Inorganic Chemistry Communication</i> , 2005, 8, 222-226.	3.9	17

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73	Cyclopolymerization of isoprene in the presence of $\text{AlCl}_2\text{H}_5\text{Cl}_2$ . Journal of Polymer Science Part C Polymer Symposia, 1963, 4, 977-985.	0.1	17
74	Displacement of ethene from the decamethyltitanocene-ethene complex with internal alkynes, substituent-dependent alkyne-to-allene rearrangement, and the electronic transition relevant to the back-bonding interaction. Dalton Transactions, 2015, 44, 7276-7291.	3.3	17
75	Titanium-catalyzed cycloaddition-cycloreversion cascade in the reaction of norbornadiene with bis(trimethylsilyl)acetylene. Organometallics, 1986, 5, 1215-1219.	2.3	16
76	Effect of heat treatment on the character of coke deposited on HZSM-5 and HY zeolites in acetone conversion. Zeolites, 1991, 11, 135-141.	0.5	16
77	Crystal structures and solution dynamics of monocyclopentadienyl titanium(IV) complexes bearing pendant ether and phosphanyl type functionalities. Polyhedron, 2003, 22, 2885-2894.	2.2	16
78	Cycloheptatriene dimers: New precursors of diamantane. Collection of Czechoslovak Chemical Communications, 1981, 46, 1474-1485.	1.0	15
79	The crystal structure of $(\eta^6\text{-C}_6\text{Me}_6)\text{Ti}[(\eta^4\text{-Cl})_2(\text{AlClEt})_2]$ and the catalytic activity of the $(\text{C}_6\text{Me}_6)\text{TiAl}_2\text{Cl}_8\text{xEt}_x(\text{x} = 0-4)$ complexes towards butadiene. Journal of Organometallic Chemistry, 1992, 430, 317-325.	1.8	15
80	Synthesis and structure of titanium(III) tweezer complexes with embedded alkali metal ions: $[(\eta^5\text{-C}_5\text{HMe}_4)_2\text{Ti}(\eta^1\text{-C}_i\text{-SiMe}_3)_2]\text{M}^+$ (M = Li, Na, K or Cs). Journal of Organometallic Chemistry, 1996, 514, 219-226.	1.8	15
81	Bis( $\eta^5\text{-1,4-bis(trimethylsilyl)cyclooctatetraene}$ )dititanium $\mu^2$ the first compound with a strong $\text{Ti}=\text{Ti}$ bond. Journal of Organometallic Chemistry, 1999, 584, 286-292.	1.8	15
82	Synthesis and structures of paramagnetic binuclear ( $\eta^8\text{-1,4-bis(trimethylsilyl)cyclooctatetraene}$ )titanium(III) chlorides. Journal of Organometallic Chemistry, 1999, 579, 126-132.	1.8	15
83	Synthesis and Crystal Structures of Dimethylsilylene-Bridged (Amidocyclopentadienyl)dichlorotitanium(IV) Complexes with Various Substituents on the Cyclopentadienyl Ligand. Collection of Czechoslovak Chemical Communications, 2001, 66, 605-620.	1.0	15
84	Effects of substituents in cyclopentadienyltitanium trichlorides on electronic absorption and $^{47,49}\text{Ti}$ NMR spectra and styrene polymerization activated by methylalumoxane. Journal of Molecular Catalysis A, 2006, 257, 14-25.	4.8	15
85	Infrared spectra of tetraalkylaluminium complexes. Journal of Organometallic Chemistry, 1964, 2, 410-416.	1.8	14
86	Bis( $\eta^8\text{-cyclooctatetraene}$ )titanium complex with perpendicularly bridging bis(trimethylsilyl)acetylene. Journal of Organometallic Chemistry, 1998, 571, 77-82.	1.8	14
87	Synthesis of Trichloro( $\eta^5\text{-alkenyltetramethylcyclopentadienyl}$ )titanium(IV) Complexes and Their Activity in Styrene Polymerization. Collection of Czechoslovak Chemical Communications, 2001, 66, 1359-1374.	1.0	14
88	Synthesis and Structure of Titanium(III) Bis(decamethyltitanocene) Oxide. Organometallics, 2013, 32, 6306-6314.	2.3	14
89	Preparation of titanium(III) metallocenes by the reduction of $(\text{C}_5\text{H}_5)_2\text{TiCl}_2$ with $\text{LiAlH}_4$ . $\eta^5\text{-1,5-Ti}(\text{Cp})_2$ 0.784314 rgBT /Overlock 121-122.	1.4	13
90	Synthesis and structure of trinuclear methoxy-bridged titanium(III)-magnesium complexes: $[(\text{C}_5\text{H}_5\text{Mg})_n\text{Ti}(\eta^5\text{-OMe})_2]_2\text{Mg}$ (n = 4 and 5). Journal of Organometallic Chemistry, 1996, 516, 177-185.	1.8	13

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91	Copolymerization of ethene with styrene using CGC catalysts: the effect of the cyclopentadienyl ligand substitution on the catalyst activity and copolymer structure. <i>Journal of Molecular Catalysis A</i> , 2004, 224, 97-103.	4.8	13
92	The structure of bis(Dihaloalane-di- $\eta^4$ -halo)( $\eta^1$ -arene)titanium(II) complexes containing different halogen atoms. <i>Transition Metal Chemistry</i> , 1979, 4, 312-315.	1.4	12
93	The catalytic system [(Cp <sub>2</sub> TiCl) <sub>2</sub> ]:LiAlH <sub>4</sub> in aromatic solvents, Part II. Formation of $\eta^3$ -allyltitanocene derivatives in the presence of dienes – their structure and e.s.r. spectra. <i>Transition Metal Chemistry</i> , 1985, 10, 302-307.	1.4	12
94	Electronic structure of bis-cyclopentadienyl-titanium dihalides as indicated by UV photoelectron spectroscopy. <i>Journal of Organometallic Chemistry</i> , 1989, 367, 69-76.	1.8	12
95	The molecular structure of the mixed chloro-iodo-titanium(II) complex, ( $\eta^6$ -durene)Ti[( $\eta^4$ -X) <sub>2</sub> (AlX <sub>2</sub> )] <sub>2</sub> (X =) <i>Journal of Organometallic Chemistry</i> , 1990, 389, 41-46.	1.8	12
96	The reluctant titanium-catalyzed cyclotrimerization of 1-phenyl-2-(trimethylsilyl)acetylene. Crystal structure of 1,3,5-triphenyl-2,4,6-tris(trimethylsilyl)benzene. <i>Journal of Organometallic Chemistry</i> , 1994, 466, 125-131.	1.8	12
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