

# Jiri Pinkas

## List of Publications by Year in descending order

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88  
papers

914  
citations

567247

15  
h-index

642715

23  
g-index

91  
all docs

91  
docs citations

91  
times ranked

894  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Template Structure and Synergism between Inorganic and Organic Structure Directing Agents in the Synthesis of UTL Zeolite. <i>Chemistry of Materials</i> , 2010, 22, 3482-3495.	6.7	78
2	Insertion of Internal Alkynes and Ethene into Permethylated Singly Tucked-in Titanocene. <i>Organometallics</i> , 2008, 27, 5532-5547.	2.3	42
3	Effect of the Trimethylsilyl Substituent on the Reactivity of Permethyltitanocene. <i>Organometallics</i> , 2007, 26, 3100-3110.	2.3	27
4	Ethene Complexes of Bulky Titanocenes, Their Thermolysis, and Their Reactivity toward 2-Butyne. <i>Organometallics</i> , 2012, 31, 5478-5493.	2.3	27
5	Transformations of functional groups attached to cyclopentadienyl or related ligands in group 4 metal complexes. <i>Coordination Chemistry Reviews</i> , 2015, 296, 45-90.	18.8	27
6	Ferrocenes as new anticancer drug candidates: Determination of the mechanism of action. <i>European Journal of Pharmacology</i> , 2020, 867, 172825.	3.5	27
7	Influence of the Ti-O-C Angle on the Oxygen-to-Titanium $\pi$ -Donation in [Cp <sub>2</sub> Ti(III)OR] Complexes. <i>Organometallics</i> , 2010, 29, 3780-3789.	2.3	23
8	Reactions of Hydrogen Sulfide with Singly and Doubly Tucked-in Titanocenes. <i>Organometallics</i> , 2011, 30, 1034-1045.	2.3	22
9	Reactivity of a Titanocene Pendant Si-H Group toward Alcohols. Unexpected Formation of Siloxanes from the Reaction of Hydrosilanes and Ph <sub>3</sub> COH Catalyzed by B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> . <i>Organometallics</i> , 2013, 32, 4122-4129.	2.3	21
10	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
11	Titanocene Dihalides and Ferrocenes Bearing a Pendant $\pm$ -Xylofuranos-5-yl or $\pm$ -Ribofuranos-5-yl Moiety. Synthesis, Characterization, and Cytotoxic Activity. <i>Organometallics</i> , 2014, 33, 2059-2070.	2.3	18
12	Homogeneous and heterogeneous cyclopentadienyl-arene titanium catalysts for selective ethylene trimerization to 1-hexene. <i>Journal of Organometallic Chemistry</i> , 2015, 777, 57-66.	1.8	18
13	Electron interactions with Bis(pentamethylcyclopentadienyl) titanium(IV) dichloride and difluoride. <i>European Physical Journal D</i> , 2018, 72, 1.	1.3	18
14	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. <i>Dalton Transactions</i> , 2015, 44, 7276-7291.	3.3	17
15	Preparation and solid-state characterization of nickel(II) complexes with $\eta^2$ -(diphenylphosphino)ferrocenecarboxylic acid. <i>New Journal of Chemistry</i> , 2001, 25, 1215-1220.	2.8	15
16	Effects of substituents in cyclopentadienyltitanium trichlorides on electronic absorption and <sup>47,49</sup> Ti NMR spectra and styrene polymerization activated by methylalumoxane. <i>Journal of Molecular Catalysis A</i> , 2006, 257, 14-25.	4.8	15
17	Synthetic transformations of a pendant nitrile moiety in group 4 metallocene complexes. <i>Dalton Transactions</i> , 2013, 42, 7101.	3.3	15
18	Hydrosilane-B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> adducts as activators in zirconocene catalyzed ethylene polymerization. <i>Dalton Transactions</i> , 2016, 45, 10146-10150.	3.3	15

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19	Synthesis and Structure of Titanium(III) Bis(decamethyltitanocene) Oxide. <i>Organometallics</i> , 2013, 32, 6306-6314.	2.3	14
20	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
21	Group 4 metallocene complexes with pendant nitrile groups. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2364-2372.	1.8	13
22	Group 4 Metal Complexes of Chelating Cyclopentadienyl-ketimide Ligands. <i>Organometallics</i> , 2016, 35, 785-798.	2.3	13
23	Multifunctional catalysts based on palladium nanoparticles supported on functionalized halloysites: Applications in catalytic C-C coupling, selective oxidation and dehalogenation reactions. <i>Applied Clay Science</i> , 2021, 214, 106272.	5.2	13
24	Thermolysis of titanocene methyl compounds bearing t-butyl- and benzyltetramethylcyclopentadienyl ligands. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 1971-1980.	1.8	12
25	Steric Effects in Reactions of Decamethyltitanocene Hydride with Internal Alkynes, Conjugated Dienes, and Conjugated Dienes. <i>Organometallics</i> , 2014, 33, 3399-3413.	2.3	12
26	Evaluation of cytotoxic activity of titanocene difluorides and determination of their mechanism of action in ovarian cancer cells. <i>Investigational New Drugs</i> , 2015, 33, 1123-1132.	2.6	12
27	Electrochemical analysis of a novel ferrocene derivative as a potential antitumor drug. <i>Analyst</i> , The, 2015, 140, 5864-5867.	3.5	12
28	Luminescent Cationic Group 4 Metallocene Complexes Stabilized by Pendant N-Donor Groups. <i>Inorganic Chemistry</i> , 2021, 60, 7315-7328.	4.0	12
29	Preparation and Crystal Structure of Bis(tert-butyltetramethylcyclopentadienyl)dichlorotitanium. <i>Collection of Czechoslovak Chemical Communications</i> , 2005, 70, 1589-1603.	1.0	11
30	Pentamethylcyclopentadienylmethyltitanium Silsesquioxanes and Their Zwitterionic Complexes with Tris(pentafluorophenyl)borane. <i>Organometallics</i> , 2009, 28, 6944-6956.	2.3	11
31	Synthesis and structure of dinuclear dimethylene- or 1,4-phenylene-linked bis(decamethyltitanoceneoxide) (TiIII) complexes. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2338-2344.	1.8	11
32	Decamethyltitanocene hydride intermediates in the hydrogenation of the corresponding titanocene-( $\eta^2$ -ethene) or ( $\eta^2$ -alkyne) complexes and the effects of bulkier auxiliary ligands. <i>Dalton Transactions</i> , 2017, 46, 8229-8244.	3.3	11
33	Improving cytotoxic properties of ferrocenes by incorporation of saturated N-heterocycles. <i>Journal of Organometallic Chemistry</i> , 2017, 846, 141-151.	1.8	11
34	Hydrogenation of titanocene and zirconocene bis(trimethylsilyl)acetylene complexes. <i>Dalton Transactions</i> , 2018, 47, 8921-8932.	3.3	11
35	Ring Formation and Hydration Effects in Electron Attachment to Misonidazole. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4383.	4.1	11
36	The first thermally stable half-sandwich titanium zwitterionic complex. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 2064-2070.	1.8	10

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37	Reduction-Induced Exclusive Activation of the <i>ansa</i> -1,2-Bis(dimethylsilylene)ethane Chain in <i>ansa</i> -Permethyltitanocene Compounds. <i>Organometallics</i> , 2010, 29, 5199-5208.	2.3	10
38	Study of the anticancer properties of methyl- and phenyl-substituted carbon- and silicon-bridged <i>ansa</i> -titanocene complexes. <i>Journal of Organometallic Chemistry</i> , 2014, 751, 361-367.	1.8	10
39	Hydrodehalogenation of organohalides by Et <sub>3</sub> SiH catalysed by group 4 metal complexes and B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> . <i>Dalton Transactions</i> , 2020, 49, 2771-2775.	3.3	10
40	Synthesis and structure of isopropyl(dimethylsilyl)-substituted octamethyltitanocene. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 748-758.	1.8	9
41	Intramolecular activation of pendant alkenyl group as a tool for modification of the zirconocene framework. <i>Inorganica Chimica Acta</i> , 2011, 373, 291-294.	2.4	9
42	Effects of the Linking of Cyclopentadienyl and Ketimide Ligands in Titanium Half-Sandwich Olefin Polymerization Catalysts. <i>ChemCatChem</i> , 2017, 9, 3160-3172.	3.7	9
43	Polymerization of Propene with Modified Constrained Geometry Complexes. Double-Bond Isomerization in Pendant Alkenyl Groups Attached to Cyclopentadienyl Ligands. <i>Collection of Czechoslovak Chemical Communications</i> , 2003, 68, 1119-1130.	1.0	8
44	Synthesis and crystal structure of the singly tucked-in derivative of bis(phenyltetramethylcyclopentadienyl)titanium. <i>Inorganic Chemistry Communication</i> , 2009, 12, 11-14.	3.9	8
45	Ethene Elimination during Thermolysis of Bis(3-butenyltetramethylcyclopentadienyl)dimethyltitanium. <i>Organometallics</i> , 2011, 30, 2581-2586.	2.3	8
46	Chromocene—Cyclopentadienyltitanium Trichloride Ion Pairs and Their Rearrangement to Titanocene Chloride—Cyclopentadienylchromium Dichlorides—Ethylene Polymerization Tests. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2637-2647.	2.0	8
47	Synergistic Effect of Cu, Co-doping of Titanium Dioxide for Multifunctional Catalytic and Photocatalytic Studies. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000298.	5.3	8
48	Synthesis and Crystal Structures of Dinuclear Trichloro(tetramethylcyclopentadienyl)titanium Complexes. <i>Collection of Czechoslovak Chemical Communications</i> , 2006, 71, 164-178.	1.0	7
49	Preparation and Crystal Structures of Low-Valent Zirconocene Complexes Containing Tetramethyl(phenyl)cyclopentadienyl Ligands. <i>Collection of Czechoslovak Chemical Communications</i> , 2007, 72, 679-696.	1.0	7
50	Synthesis, structure, and fluxional behaviour of highly-substituted group 4 cyclopentadienyl arylamine complexes. <i>Journal of Organometallic Chemistry</i> , 2012, 719, 64-73.	1.8	7
51	Radiomodifying effects of RAPTA C and CDDP on DNA strand break induction. <i>Radiation Physics and Chemistry</i> , 2017, 141, 229-234.	2.8	7
52	Ruthenium tetrazene complexes bearing glucose moieties on their periphery: Synthesis, characterization, and <i>in vitro</i> cytotoxicity. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5896.	3.5	7
53	Intramolecular alkoxide-tethered permethyltitanocene(III) complexes—synthesis and crystal structure. <i>Collection of Czechoslovak Chemical Communications</i> , 2009, 74, 453-468.	1.0	7
54	Dehydrocoupling of SiMe <sub>2</sub> H substituents in permethylated zirconocene complexes. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 177-191.	1.0	6

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55	Highly substituted zirconium and hafnium cyclopentadienyl bifunctional $\eta^2$ -diketiminato complexes “ Synthesis, structure, and catalytic activity towards ethylene polymerization. <i>Journal of Organometallic Chemistry</i> , 2015, 786, 71-80.	1.8	6
56	Yttrocene Chloride and Methyl Complexes with Variously Substituted Cyclopentadienyl Ligands: Synthesis, Characterization, and Reactivity toward Ethylene. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3713-3721.	2.0	6
57	Harmless glucose-modified ruthenium complexes suppressing cell migration of highly invasive cancer cell lines. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5318.	3.5	6
58	Synthesis and structure of bis( $\eta^5$ -1,2,3,4-tetramethyl-5-(dimethylsilylsulfido- $\eta^5$ )cyclopentadienyl)titanium(IV). <i>Inorganic Chemistry Communication</i> , 2004, 7, 1135-1138.	3.9	5
59	Dinuclear titanium complexes with methylphenylsilylene bridge between cyclopentadienyl rings. Synthesis, characterization and reactivity towards ethylene. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1425-1433.	1.8	5
60	Zirconocene silanolate complexes and their heterogeneous siliceous analogues as catalysts for phenylsilane dehydropolymerization. <i>Catalysis Today</i> , 2012, 179, 130-139.	4.4	5
61	Ion pairs from redox reaction of decamethylchromocene with cyclopentadienyltitanium trichlorides. <i>Inorganic Chemistry Communication</i> , 2012, 19, 61-65.	3.9	5
62	Sunlight Photolysis of Decamethyltitanocene Dihydrosulfide Affords the Titanium Sulfide Cage Clusters (Cp*Ti) <sub>6</sub> S <sub>8</sub> and (Cp*Ti) <sub>4</sub> S <sub>6</sub> . <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3316-3322.	2.0	5
63	Intramolecular activation of a pendant nitrile group in Ti and Zr metallocene complexes. <i>Journal of Organometallic Chemistry</i> , 2015, 787, 56-64.	1.8	5
64	Mixed amido-cyclopentadienyl group 4 metal complexes. <i>RSC Advances</i> , 2015, 5, 59154-59166.	3.6	5
65	Titanium and zirconium complexes containing the new 2,3-dimethyl-1,4-diphenylcyclopentadienyl ligand. Synthesis, characterization and polymerization behavior. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 1623-1630.	1.8	4
66	Non-degenerate 1,2-silyl shift in silyl substituted alkyltrimethylcyclopentadienes. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 731-741.	1.8	4
67	Synthesis of zirconocene silsesquioxane complexes and their ethene polymerization activity in systems with methylaluminumoxane. <i>Collection of Czechoslovak Chemical Communications</i> , 2010, 75, 105-119.	1.0	4
68	Identification of branched oligosilanes in the phenylsilane dehydrocoupling reaction. <i>Journal of Organometallic Chemistry</i> , 2012, 710, 20-25.	1.8	4
69	Synthesis, structure, and sunlight photolysis of benzyl- and tert-butyl-substituted octamethyltitanocene dihydrosulfides. <i>Journal of Organometallic Chemistry</i> , 2014, 755, 141-150.	1.8	4
70	Insertion of 1-t-butylpropyne into singly tucked-in permethyltitanocene. Synthesis, crystal structure of product and transition-state geometry. <i>Journal of Molecular Structure</i> , 2018, 1167, 180-186.	3.6	4
71	Low-valent ansa-dimethylsilylene-, dimethylmethylene-bis(cyclopentadienyl) titanium compounds and ansa-titanium-magnesium complexes. <i>Journal of Organometallic Chemistry</i> , 2019, 889, 15-26.	1.8	4
72	The Cytotoxic Effect of Newly Synthesized Ferrocenes against Cervical Carcinoma Cells Alone and in Combination with Radiotherapy. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3728.	2.5	4

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73	Reactions of Doubly Tucked-In Permethyltitanocene with tert-Butanol and Propargyl Alcohol. The Crystal Structures of Unusual Hydrolytic Byproducts. Collection of Czechoslovak Chemical Communications, 2008, 73, 967-982.	1.0	4
74	Synthesis and Structure of Permethylcyclopentadienyltitanium Diisopropoxide Zwitterionic Complex. Collection of Czechoslovak Chemical Communications, 2008, 73, 1161-1176.	1.0	4
75	Titanocene and ansa-titanocene complexes bearing 2,6-bis(isopropyl)phenoxide ligand(s). Syntheses, characterization and use in catalytic dehydrocoupling polymerization of phenylsilane. Collection of Czechoslovak Chemical Communications, 2011, 76, 75-94.	1.0	3
76	Enhanced Intracellular Accumulation and Cytotoxicity of Ferrocene-Ruthenium Arene Conjugates. ChemPlusChem, 2020, 85, 1034-1043.	2.8	3
77	Synthesis, molecular and electronic structure of a stacked half-sandwich dititanium complex incorporating a cyclic $\eta^6$ -faced bridging ligand. RSC Advances, 2016, 6, 94149-94159.	3.6	2
78	Substituent effects in reduction-induced synthesis of ansa-titanocenes. Transition Metal Chemistry, 2016, 41, 143-152.	1.4	2
79	$B(C_6F_5)_3$ catalysis accelerates the hydrosilane chlorination by $Ph_3CCl$ . Applied Organometallic Chemistry, 2018, 32, e4442.	3.5	2
80	Molecular Hydrogen-Induced Carbon Chain Rearrangement in Cyclopentadienyl-Tethered Titanium(III) Permethyltitanocene Complexes. European Journal of Inorganic Chemistry, 2020, 2020, 128-136.	2.0	2
81	Synthesis, structure and ethylene polymerisation activity of Polyhedron, 2020, 188, 114704.	2.2	2
82	Preparation of titanocene and zirconocene dichlorides bearing bulky 1,4-dimethyl-2,3-diphenylcyclopentadienyl ligand and their behavior in polymerization of ethylene. Journal of Organometallic Chemistry, 2009, 694, 173-178.	1.8	1
83	Ferrocenes as Potential Anticancer Drugs: Determination of the Mechanism of Action. Proceedings (mdpi), 2019, 22, .	0.2	1
84	Sunlight photolysis of cyclopentadienyl-tethered titanium(IV) permethyltitanocene chlorides. Journal of Organometallic Chemistry, 2020, 927, 121536.	1.8	1
85	Sunlight-induced dehydrogenation rearrangement of the dititanium complex $[Ti(\eta^5-C_5HMe_4)(\eta^1-\eta^1)]_2$ ETQq1 1 0,784314 rgBT /Ove	1.8	1
86	Synthesis, structure, spectral properties and theoretical studies of two half-sandwich titanium-complexes with adamantoxy ligands. Journal of Molecular Structure, 2017, 1142, 248-254.	3.6	0
87	Electrochemical Study of Highly Substituted Titanocene Dihalides. Electroanalysis, 2019, 31, 2067-2073.	2.9	0
88	Reactions of permethyltitanocene tucked-in derivatives with carbon dioxide. Dalton Transactions, 0, .	3.3	0