

Jiri Pinkas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

722
citations

14
h-index

19
g-index

91
ext. papers

839
ext. citations

3.5
avg, IF

3.73
L-index

#	Paper	IF	Citations
87	Luminescent Cationic Group 4 Metallocene Complexes Stabilized by Pendant N-Donor Groups. <i>Inorganic Chemistry</i> , 2021 , 60, 7315-7328	5.1	3
86	Sunlight-induced dehydrogenation rearrangement of the dititanium complex [Ti(η -C ₅ HMe ₄)(η -C ₅ Me ₄)] ₂ . <i>Journal of Organometallic Chemistry</i> , 2021 , 934, 121663	2.3	0
85	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	6
84	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	2.6	2
83	Hydrodehalogenation of organohalides by EtSiH catalysed by group 4 metal complexes and B(CF ₃). <i>Dalton Transactions</i> , 2020 , 49, 2771-2775	4.3	3
82	Enhanced Intracellular Accumulation and Cytotoxicity of Ferrocene-Ruthenium Arene Conjugates. <i>ChemPlusChem</i> , 2020 , 85, 1034-1043	2.8	0
81	Harmless glucose-modified ruthenium complexes suppressing cell migration of highly invasive cancer cell lines. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5318	3.1	4
80	Molecular Hydrogen-Induced Carbon Chain Rearrangement in Cyclopentadienyl-Tethered Titanium(III) Permethylyltitanocene Complexes. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 128-136	2.3	2
79	Ferrocenes as new anticancer drug candidates: Determination of the mechanism of action. <i>European Journal of Pharmacology</i> , 2020 , 867, 172825	5.3	10
78	Synthesis, structure and ethylene polymerisation activity of { η -5-(N)-1-[(tert-butylamido)diphenylsilyl]-2,3,4,5-tetramethylcyclopentadienyl}dichlorotitanium(IV). <i>Polyhedron</i> , 2020 , 188, 114704	2.7	0
77	Ruthenium tetrazene complexes bearing glucose moieties on their periphery: Synthesis, characterization, and in vitro cytotoxicity. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5896	3.1	4
76	Sunlight photolysis of cyclopentadienyl-tethered titanium(iv) permethyltitanocene chlorides. <i>Journal of Organometallic Chemistry</i> , 2020 , 927, 121536	2.3	0
75	Ring Formation and Hydration Effects in Electron Attachment to Misonidazole. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	7
74	Low-valent ansa-dimethylsilylene-, dimethylmethylene-bis(cyclopentadienyl) titanium compounds and ansa-titanium-magnesium complexes. <i>Journal of Organometallic Chemistry</i> , 2019 , 889, 15-26	2.3	1
73	Electrochemical Study of Highly Substituted Titanocene Dihalides. <i>Electroanalysis</i> , 2019 , 31, 2067-2073	3	3
72	Ferrocenes as Potential Anticancer Drugs: Determination of the Mechanism of Action. <i>Proceedings (mdpi)</i> , 2019 , 22, 16	0.3	1
71	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	2.3	6

70	Hydrogenation of titanocene and zirconocene bis(trimethylsilyl)acetylene complexes. <i>Dalton Transactions</i> , 2018 , 47, 8921-8932	4.3	7
69	B(C ₆ F ₅) ₃ catalysis accelerates the hydrosilane chlorination by Ph ₃ CCl. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4442	3.1	1
68	Electron interactions with Bis(pentamethylcyclopentadienyl) titanium(IV) dichloride and difluoride. <i>European Physical Journal D</i> , 2018 , 72, 1	1.3	16
67	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	3.4	3
66	Effects of the Linking of Cyclopentadienyl and Ketimide Ligands in Titanium Half-Sandwich Olefin Polymerization Catalysts. <i>ChemCatChem</i> , 2017 , 9, 3160-3172	5.2	7
65	Synthesis, structure, spectral properties and theoretical studies of two half-sandwich titanium-complexes with adamantoxy ligands. <i>Journal of Molecular Structure</i> , 2017 , 1142, 248-254	3.4	
64	Decamethyltitanocene hydride intermediates in the hydrogenation of the corresponding titanocene-(E)ethene) or (E)alkyne) complexes and the effects of bulkier auxiliary ligands. <i>Dalton Transactions</i> , 2017 , 46, 8229-8244	4.3	8
63	Improving cytotoxic properties of ferrocenes by incorporation of saturated N-heterocycles. <i>Journal of Organometallic Chemistry</i> , 2017 , 846, 141-151	2.3	10
62	Radiomodifying effects of RAPTA C and CDDP on DNA strand break induction. <i>Radiation Physics and Chemistry</i> , 2017 , 141, 229-234	2.5	5
61	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	2.3	5
60	Hydrosilane-B(C ₆ F ₅) ₃ adducts as activators in zirconocene catalyzed ethylene polymerization. <i>Dalton Transactions</i> , 2016 , 45, 10146-50	4.3	12
59	Substituent effects in reduction-induced synthesis of ansa-titanocenes. <i>Transition Metal Chemistry</i> , 2016 , 41, 143-152	2.1	2
58	Group 4 Metal Complexes of Chelating Cyclopentadienyl-ketimide Ligands. <i>Organometallics</i> , 2016 , 35, 785-798	3.8	10
57	Synthesis, molecular and electronic structure of a stacked half-sandwich dititanium complex incorporating a cyclic E-faced bridging ligand. <i>RSC Advances</i> , 2016 , 6, 94149-94159	3.7	0
56	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, 1123-32	4.3	10
55	Electrochemical analysis of a novel ferrocene derivative as a potential antitumor drug. <i>Analyst, The</i> , 2015 , 140, 5864-7	5	12
54	Transformations of functional groups attached to cyclopentadienyl or related ligands in group 4 metal complexes. <i>Coordination Chemistry Reviews</i> , 2015 , 296, 45-90	23.2	22
53	Highly substituted zirconium and hafnium cyclopentadienyl bifunctional E-diketimate complexes E-synthesis, structure, and catalytic activity towards ethylene polymerization. <i>Journal of Organometallic Chemistry</i> , 2015 , 786, 71-80	2.3	5

52	Intramolecular activation of a pendant nitrile group in Ti and Zr metallocene complexes. <i>Journal of Organometallic Chemistry</i> , 2015 , 787, 56-64	2.3	4
51	Mixed amido-cyclopentadienyl group 4 metal complexes. <i>RSC Advances</i> , 2015 , 5, 59154-59166	3.7	4
50	Homogeneous and heterogeneous cyclopentadienyl-arene titanium catalysts for selective ethylene trimerization to 1-hexene. <i>Journal of Organometallic Chemistry</i> , 2015 , 777, 57-66	2.3	16
49	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, 7276-91	4.3	15
48	Study of the anticancer properties of methyl- and phenyl-substituted carbon- and silicon-bridged ansa-titanocene complexes. <i>Journal of Organometallic Chemistry</i> , 2014 , 751, 361-367	2.3	6
47	Steric Effects in Reactions of Decamethyltitanocene Hydride with Internal Alkynes, Conjugated Diynes, and Conjugated Dienes. <i>Organometallics</i> , 2014 , 33, 3399-3413	3.8	8
46	Synthesis, structure, and sunlight photolysis of benzyl- and tert-butyl-substituted octamethyltitanocene dihydrosulfides. <i>Journal of Organometallic Chemistry</i> , 2014 , 755, 141-150	2.3	4
45	Titanocene Dihalides and Ferrocenes Bearing a Pendant β -Xylofuranos-5-yl or β -Ribofuranos-5-yl Moiety. Synthesis, Characterization, and Cytotoxic Activity. <i>Organometallics</i> , 2014 , 33, 2059-2070	3.8	14
44	Reactivity of a Titanocene Pendant SiH Group toward Alcohols. Unexpected Formation of Siloxanes from the Reaction of Hydrosilanes and Ph ₃ COH Catalyzed by B(C ₆ F ₅) ₃ . <i>Organometallics</i> , 2013 , 32, 4122-4129	3.8	20
43	Sunlight Photolysis of Decamethyltitanocene Dihydrosulfide Affords the Titanium Sulfide Cage Clusters (Cp*Ti) ₆ S ₈ and (Cp*Ti) ₄ S ₆ . <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 3316-3322	2.3	3
42	Synthetic transformations of a pendant nitrile moiety in group 4 metallocene complexes. <i>Dalton Transactions</i> , 2013 , 42, 7101-10	4.3	14
41	Synthesis and Structure of Titanium(III) Bis(decamethyltitanocene) Oxide. <i>Organometallics</i> , 2013 , 32, 6306-6314	3.8	11
40	Ion pairs from redox reaction of decamethylchromocene with cyclopentadienyltitanium trichlorides. <i>Inorganic Chemistry Communication</i> , 2012 , 19, 61-65	3.1	4
39	Identification of branched oligosilanes in the phenylsilane dehydrocoupling reaction. <i>Journal of Organometallic Chemistry</i> , 2012 , 710, 20-25	2.3	3
38	Synthesis, structure, and fluxional behaviour of highly-substituted group 4 cyclopentadienyl arylamine complexes. <i>Journal of Organometallic Chemistry</i> , 2012 , 719, 64-73	2.3	4
37	Ethene Complexes of Bulky Titanocenes, Their Thermolysis, and Their Reactivity toward 2-Butyne. <i>Organometallics</i> , 2012 , 31, 5478-5493	3.8	25
36	Zirconocene silanolate complexes and their heterogeneous siliceous analogues as catalysts for phenylsilane dehydropolymerization. <i>Catalysis Today</i> , 2012 , 179, 130-139	5.3	4
35	Ethene Elimination during Thermolysis of Bis(3-butenyltetramethylcyclopentadienyl)dimethyltitanium. <i>Organometallics</i> , 2011 , 30, 2581-2586	3.8	6

34	Reactions of Hydrogen Sulfide with Singly and Doubly Tucked-in Titanocenes. <i>Organometallics</i> , 2011 , 30, 1034-1045	3.8	18
33	Intramolecular activation of pendant alkenyl group as a tool for modification of the zirconocene framework. <i>Inorganica Chimica Acta</i> , 2011 , 373, 291-294	2.7	8
32	Group 4 metallocene complexes with pendant nitrile groups. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 2364-2372	2.3	12
31	Titanocene and ansa-titanocene complexes bearing 2,6-bis(isopropyl)phenoxide ligand(s). Syntheses, characterization and use in catalytic dehydrocoupling polymerization of phenylsilane. <i>Collection of Czechoslovak Chemical Communications</i> , 2011 , 76, 75-94		3
30	Dehydrocoupling of SiMe ₂ H substituents in permethylated zirconocene complexes. <i>Collection of Czechoslovak Chemical Communications</i> , 2011 , 76, 177-191		5
29	Reduction-Induced Exclusive Activation of the ansa-1,2-Bis(dimethylsilylene)ethane Chain in ansa-Permethyltitanocene Compounds. <i>Organometallics</i> , 2010 , 29, 5199-5208	3.8	9
28	Influence of the Ti-D Angle on the Oxygen-to-Titanium Donation in [Cp ² *Ti(III)OR] Complexes. <i>Organometallics</i> , 2010 , 29, 3780-3789	3.8	21
27	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		4
26	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	9.6	57
25	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	2.3	5
24	Synthesis and structure of dinuclear dimethylene- or 1,4-phenylene-linked bis(decamethyltitanoceneoxide) (Ti(III)) complexes. <i>Journal of Organometallic Chemistry</i> , 2010 , 695, 2338-2344		8
23	Preparation of titanocene and zirconocene dichlorides bearing bulky 1,4-dimethyl-2,3-diphenylcyclopentadienyl ligand and their behavior in polymerization of ethylene. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 173-178	2.3	1
22	Thermolysis of titanocene methyl compounds bearing t-butyl- and benzyltetramethylcyclopentadienyl ligands. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 1971-1980	2.3	12
21	Synthesis and crystal structure of the singly tucked-in derivative of bis(phenyltetramethylcyclopentadienyl)titanium. <i>Inorganic Chemistry Communication</i> , 2009 , 12, 11-14	3.1	7
20	Pentamethylcyclopentadienylmethyltitanium Silsesquioxanes and Their Zwitterionic Complexes with Tris(pentafluorophenyl)borane. <i>Organometallics</i> , 2009 , 28, 6944-6956	3.8	10
19	Intramolecular alkoxide-tethered permethyltitanocene(III) complexes. Synthesis and crystal structure. <i>Collection of Czechoslovak Chemical Communications</i> , 2009 , 74, 453-468		6
18	Reactivity of SiMe ₂ H Substituents in Permethylated Titanocene Complexes: Dehydrocoupling and Ethene Hydrosilylation. <i>Organometallics</i> , 2008 , 27, 2635-2642	3.8	16
17	Insertion of Internal Alkynes and Ethene into Permethylated Singly Tucked-in Titanocene. <i>Organometallics</i> , 2008 , 27, 5532-5547	3.8	36

16	Reactions of Doubly Tucked-In Permethyltitanocene with tert-Butanol and Propargyl Alcohol. The Crystal Structures of Unusual Hydrolytic Byproducts. <i>Collection of Czechoslovak Chemical Communications</i> , 2008 , 73, 967-982		3
15	Synthesis and Structure of Permethylcyclopentadienyltitanium Diisopropoxide Zwitterionic Complex. <i>Collection of Czechoslovak Chemical Communications</i> , 2008 , 73, 1161-1176		4
14	Effect of the Trimethylsilyl Substituent on the Reactivity of Permethyltitanocene. <i>Organometallics</i> , 2007 , 26, 3100-3110	3.8	25
13	The first thermally stable half-sandwich titanium zwitterionic complex. <i>Journal of Organometallic Chemistry</i> , 2007 , 692, 2064-2070	2.3	10
12	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		6
11	Synthesis and structure of isopropyl dimethylsilyl-substituted octamethyltitanocene. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 748-758	2.3	9
10	Synthesis and Crystal Structures of Dinuclear Trichloro(tetramethylcyclopentadienyl)titanium Complexes. <i>Collection of Czechoslovak Chemical Communications</i> , 2006 , 71, 164-178		7
9	Effects of substituents in cyclopentadienyltitanium trichlorides on electronic absorption and $^{47,49}\text{Ti}$ NMR spectra and styrene polymerization activated by methylalumoxane. <i>Journal of Molecular Catalysis A</i> , 2006 , 257, 14-25		15
8	Preparation and Crystal Structure of Bis(tert-butyltetramethylcyclopentadienyl)dichlorotitanium. <i>Collection of Czechoslovak Chemical Communications</i> , 2005 , 70, 1589-1603		10
7	Non-degenerate 1,2-silyl shift in silyl substituted alkyltrimethylcyclopentadienes. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 731-741	2.3	4
6	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	2.3	4
5	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		13
4	Synthesis and structure of bis(β -1,2,3,4-tetramethyl-5-(dimethylsilylsulfido- β)cyclopentadienyl}titanium(IV). <i>Inorganic Chemistry Communication</i> , 2004 , 7, 1135-1138	3.1	4
3	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		8
2	Preparation and solid-state characterization of nickel(II) complexes with 1 π -(diphenylphosphino)ferrocenecarboxylic acid. <i>New Journal of Chemistry</i> , 2001 , 25, 1215-1220	3.6	11
1	Synergistic Effect of Cu,F-Codoping of Titanium Dioxide for Multifunctional Catalytic and Photocatalytic Studies. <i>Advanced Sustainable Systems</i> , 2000298	5.9	2