

Richard F Jordan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Copolymerization of Ethylene and Vinyl Fluoride by Self-Assembled Multinuclear Palladium Catalysts. <i>Polymers</i> , 2020, 12, 1609.	2.0	0
2	Synthesis and Ethylene Reactivity of Dinuclear Iron and Cobalt Complexes Supported by Macrocyclic Bis(pyridine-diimine) Ligands Containing <i>o</i> -Terphenyl Linkers. <i>Organometallics</i> , 2020, 39, 2392-2404.	1.1	14
3	Olefin Insertion Reactivity of a (Phosphine-arenesulfonate)Palladium(II) Fluoride Complex. <i>Organometallics</i> , 2019, 38, 4250-4260.	1.1	4
4	Template-Free Synthesis of a Macrocyclic Bis(pyridine-dienamine) Proligand and Metal Complexes of Its Bis(pyridine-diimine) and Bis(pyridine-dienamido) Forms. <i>Inorganic Chemistry</i> , 2019, 58, 15466-15478.	1.9	8
5	Synthesis and reactivity of phosphine-arenesulfonate palladium(II) alkyl complexes that contain methoxy substituents. <i>Journal of Organometallic Chemistry</i> , 2019, 896, 207-214.	0.8	2
6	Sterically Controlled Self-Assembly of a Robust Multinuclear Palladium Catalyst for Ethylene Polymerization. <i>Journal of the American Chemical Society</i> , 2019, 141, 6827-6831.	6.6	15
7	Multinuclear Palladium Olefin Polymerization Catalysts Based on Self-Assembled Zinc Phosphonate Cages. <i>Organometallics</i> , 2018, 37, 4664-4674.	1.1	8
8	Ethylene Oligomerization and Polymerization by Palladium(II) Methyl Complexes Supported by Phosphines Bearing a Perchlorinated 10-Vertex closo-Carborane Anion Substituent. <i>Organometallics</i> , 2018, 37, 4773-4783.	1.1	11
9	Complexation of an indole-based β -aminoimine ligand to Pd(II). <i>Inorganica Chimica Acta</i> , 2018, 482, 491-496.	1.2	1
10	Crystal structure of 3-[(2-acetamidophenyl)imino]butan-2-one. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 193-195.	0.2	0
11	Olefin Insertion into a Pd σ -F Bond: Catalyst Reactivation Following β -F Elimination in Ethylene/Vinyl Fluoride Copolymerization. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1820-1824.	7.2	54
12	Controlling quantum-beating signals in 2D electronic spectra by packing synthetic heterodimers on single-walled carbon nanotubes. <i>Nature Chemistry</i> , 2017, 9, 219-225.	6.6	38
13	Copolymerization of Ethylene with Acrylate Monomers by Amide-Functionalized β -Diimine Pd Catalysts. <i>Organometallics</i> , 2017, 36, 1873-1879.	1.1	34
14	Olefin Insertion into a Pd σ -F Bond: Catalyst Reactivation Following β -F Elimination in Ethylene/Vinyl Fluoride Copolymerization. <i>Angewandte Chemie</i> , 2017, 129, 1846-1850.	1.6	16
15	Synthesis and Reactivity of Palladium(II) Alkyl Complexes that Contain Phosphine-cyclopentanesulfonate Ligands. <i>Organometallics</i> , 2017, 36, 3415-3428.	1.1	23
16	Transformation of Metal-Organic Framework Secondary Building Units into Hexanuclear Zr-Alkyl Catalysts for Ethylene Polymerization. <i>Journal of the American Chemical Society</i> , 2017, 139, 11325-11328.	6.6	104
17	Heterolytic H σ -H and H σ -B Bond Cleavage Reactions of $\{(IPr)Ni(\eta^5-S)\}_2$. <i>Inorganic Chemistry</i> , 2017, 56, 9922-9930.	1.9	12
18	Allosteric Effects in Ethylene Polymerization Catalysis. Enhancement of Performance of Phosphine-Phosphinate and Phosphine-Phosphonate Palladium Alkyl Catalysts by Remote Binding of B(C $_6$ H $_5$) $_3$. <i>Organometallics</i> , 2017, 36, 4990-5002.	1.1	27

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19	($\hat{\iota}$ -Diimine)nickel Complexes That Contain Menthyl Substituents: Synthesis, Conformational Behavior, and Olefin Polymerization Catalysis. <i>Organometallics</i> , 2017, 36, 2784-2799.	1.1	43
20	Autoxidation of Heterocyclic Aminals. <i>ACS Omega</i> , 2017, 2, 3055-3063.	1.6	5
21	Self-Assembled Cage Structures and Ethylene Polymerization Behavior of Palladium Alkyl Complexes That Contain Phosphine-Bis(arenesulfonate) Ligands. <i>Organometallics</i> , 2016, 35, 3557-3568.	1.1	13
22	Crystal structure of <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1595-1598.	0.2	1
23	Crystal structure of (n-butyl)[2-(2,6-dimethoxyphenyl)-6-methylphenyl](2-methoxyphenyl)phosphonium chloride monohydrate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 174-177.	0.2	0
24	Crystal structure of zwitterionic 2-[bis(2-methoxyphenyl)phosphaniumyl]-4-methylbenzenesulfonate monohydrate dichloromethane monosolvate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 229-232.	0.2	1
25	Protonolysis and Amide Exchange Reactions of a Three-Coordinate Cobalt Amide Complex Supported by an N-Heterocyclic Carbene Ligand. <i>Inorganic Chemistry</i> , 2015, 54, 4603-4610.	1.9	15
26	Synthesis and Reactivity of NHC-Supported Ni ₂ ($\hat{\iota}$ ⁴ -S) ₂ -Bridging Disulfide and Ni ₂ ($\hat{\iota}$ ⁴ -S) ₂ -Bridging Sulfide Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 2705-2712.	1.9	20
27	Lewis Acid Modification and Ethylene Oligomerization Behavior of Palladium Catalysts That Contain a Phosphine-Sulfonate-Diethyl Phosphonate Ancillary Ligand. <i>Organometallics</i> , 2014, 33, 7199-7208.	1.1	22
28	Hydrogen Bonding Behavior of Amide-Functionalized $\hat{\iota}$ -Diimine Palladium Complexes. <i>Organometallics</i> , 2014, 33, 7176-7192.	1.1	14
29	<i>cis</i> / <i>trans</i> Isomerization of <i>o</i> -Phosphino-Arenesulfonate Palladium Methyl Complexes. <i>Organometallics</i> , 2014, 33, 7209-7214.	1.1	18
30	Halogenolysis of a Nickelalactone Complex Produces $\hat{\iota}$ ² -Halo-Anhydrides. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5491-5494.	1.0	4
31	Differentiation between Chelate Ring Inversion and Aryl Rotation in a CF ₃ -Substituted Phosphine-Sulfonate Palladium Methyl Complex. <i>Organometallics</i> , 2014, 33, 4486-4496.	1.1	11
32	Copolymerization of Ethylene and Methyl Acrylate by Cationic Palladium Catalysts That Contain Phosphine-Diethyl Phosphonate Ancillary Ligands. <i>Organometallics</i> , 2014, 33, 3546-3555.	1.1	82
33	Comparative Reactivity of Zr ^{IV} and Pd ^{IV} Alkyl Complexes with Carbon Dioxide. <i>Organometallics</i> , 2013, 32, 6895-6898.	1.1	29
34	<i>Ortho</i> -Phosphinobenzenesulfonate: A Superb Ligand for Palladium-Catalyzed Coordination-Insertion Copolymerization of Polar Vinyl Monomers. <i>Accounts of Chemical Research</i> , 2013, 46, 1438-1449.	7.6	471
35	Enhancement of Chain Growth and Chain Transfer Rates in Ethylene Polymerization by (Phosphine-sulfonate)PdMe Catalysts by Binding of B(C ₆ F ₅) ₃ to the Sulfonate Group. <i>ACS Catalysis</i> , 2012, 2, 1187-1195.	5.5	72
36	Synthesis, Structures, and Ethylene Dimerization Reactivity of Palladium Alkyl Complexes That Contain a Chelating Phosphine-Trifluoroborate Ligand. <i>Organometallics</i> , 2011, 30, 4250-4256.	1.1	44

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37	Synthesis, <i>cis</i> / <i>trans</i> Isomerization, and Reactivity of Palladium Alkyl Complexes That Contain a Chelating N-Heterocyclic-Carbene Sulfonate Ligand. <i>Organometallics</i> , 2011, 30, 4632-4642.	1.1	57
38	<i>cis</i> / <i>trans</i> Isomerization of Phosphinesulfonate Palladium(II) Complexes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3744-3746.	7.2	34
39	Lewis Acid Catalyzed Synthesis of Poly(pyrazolyl)borate Ligands. <i>Organometallics</i> , 2010, 29, 3679-3682.	1.1	5
40	Self-Assembled Tetranuclear Palladium Catalysts That Produce High Molecular Weight Linear Polyethylene. <i>Journal of the American Chemical Society</i> , 2010, 132, 52-53.	6.6	61
41	Copolymerization of Ethylene and Vinyl Fluoride by (Phosphine-bis(arenesulfonate))PdMe(pyridine) Catalysts: Insights into Inhibition Mechanisms. <i>Macromolecules</i> , 2010, 43, 8706-8708.	2.2	66
42	Mechanism of the Reaction of Vinyl Chloride with (\hat{I} -diimine)PdMe ⁺ Species. <i>Organometallics</i> , 2010, 29, 1750-1760.	1.1	22
43	Synthesis and Reactivity of a Tetragallium Macrocyclic. <i>Organometallics</i> , 2009, 28, 300-305.	1.1	38
44	Base-Free Phosphine ⁺ Sulfonate Nickel Benzyl Complexes. <i>Organometallics</i> , 2008, 27, 4821-4824.	1.1	60
45	7,8-Dicarbaundecaborane(13). <i>Inorganic Syntheses</i> , 2007, , 229-231.	0.3	4
46	Ethylene Dimerization by Cationic Palladium(II) Alkyl Complexes that Contain Bis(heterocycle)methane Ligands. <i>Organometallics</i> , 2007, 26, 6726-6736.	1.1	26
47	Ethylene Polymerization by Palladium Alkyl Complexes Containing Bis(aryl)phosphino-toluenesulfonate Ligands. <i>Organometallics</i> , 2007, 26, 6624-6635.	1.1	103
48	Copolymerization of Ethylene and Alkyl Vinyl Ethers by a (Phosphine- sulfonate)PdMe Catalyst. <i>Journal of the American Chemical Society</i> , 2007, 129, 8946-8947.	6.6	233
49	Ethylene Polymerization by Sterically Crowded Palladium(II) Complexes that Contain Bis(heterocycle)methane Ligands. <i>Organometallics</i> , 2007, 26, 6737-6749.	1.1	29
50	Copolymerization of Ethylene and Vinyl Fluoride by (Phosphine-Sulfonate)Pd(Me)(py) Catalysts. <i>Journal of the American Chemical Society</i> , 2007, 129, 15450-15451.	6.6	203
51	Mechanism of Ethylene Oligomerization by a Cationic Palladium(II) Alkyl Complex that Contains a	1.1	31
52	Copolymerization of Silyl Vinyl Ethers with Olefins by (\hat{I} -diimine)PdR ⁺ . <i>Journal of the American Chemical Society</i> , 2006, 128, 12072-12073.	6.6	101
53	Acrylonitrile Insertion Reactions of Cationic Palladium Alkyl Complexes. <i>Journal of the American Chemical Society</i> , 2005, 127, 1841-1853.	6.6	68
54	Sigma-Bond Metathesis Reactions of Zirconocene Alkyl Cations with Phenylsilane. <i>Organometallics</i> , 2005, 24, 2688-2697.	1.1	31

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55	Theoretical Studies of Cycloaddition Reactions of Cationic Aluminum η^2 -Diketiminato Alkyl Complexes with Alkenes and Alkynes. <i>Organometallics</i> , 2005, 24, 5140-5146.	1.1	26
56	Generation and Insertion Reactivity of Cationic Palladium Complexes That Contain Halogenated Alkyl Ligands. <i>Organometallics</i> , 2004, 23, 600-609.	1.1	40
57	Computational Modeling of <i>ansa</i> -Zirconocene Amide Complexes. <i>Organometallics</i> , 2004, 23, 5671-5680.	1.1	8
58	Photochemical synthesis of a palladium dichloromethyl complex, $\{(hexyl)HC(N-methyl-imidazol-2-yl)_2\}Pd(CHCl_2)Cl$. <i>Journal of Organometallic Chemistry</i> , 2003, 683, 240-248.	0.8	15
59	Chelate-Controlled Synthesis of <i>rac</i> - and <i>meso</i> - $Me_2Si(3-tBu-C_5H_3)_2ZrCl_2$. <i>Organometallics</i> , 2003, 22, 5498-5503.	1.1	19
60	Comparison of Olefin Polymerization Behavior of Catalysts Generated by MAO Activation of Ti^{III} and Ti^{IV} Tris(pyrazolyl)borate Complexes. <i>Macromolecules</i> , 2003, 36, 9707-9709.	2.2	39
61	Reaction of Vinyl Chloride with Group 4 Metal Olefin Polymerization Catalysts. <i>Journal of the American Chemical Society</i> , 2003, 125, 796-809.	6.6	92
62	Molecular Structure and Vinyl Chloride Insertion of a Cationic Zirconium(IV) Acyl Carbonyl Complex. <i>Organometallics</i> , 2003, 22, 2080-2086.	1.1	21
63	Reaction of Vinyl Chloride with Late Transition Metal Olefin Polymerization Catalysts. <i>Journal of the American Chemical Society</i> , 2003, 125, 4350-4361.	6.6	107
64	Reaction of Vinyl Chloride with a Prototypical Metallocene Catalyst: σ -Stoichiometric Insertion and η^2 -Cl Elimination Reactions with <i>rac</i> -(EBI)ZrMe ₂ and Catalytic Dechlorination/Oligomerization to Oligopropylene by <i>rac</i> -(EBI)ZrMe ₂ /MAO. <i>Journal of the American Chemical Society</i> , 2000, 122, 6315-6316.	6.6	65
65	Tantalum-Mediated Oxidative Coupling of C ₂ B ₉ H ₁₁ Ligands. Synthesis and Characterization of $\{(1/4-H)(C_2B_9H_{10})_2\}TaCl_2$. <i>Organometallics</i> , 2000, 19, 4858-4861.	1.1	20
66	Neutral and Cationic Palladium(II) Bis(pyrazolyl)methane Complexes. <i>Organometallics</i> , 1999, 18, 4758-4764.	1.1	95
67	Sterically Crowded Gallium Amidinate Complexes. <i>Organometallics</i> , 1999, 18, 4619-4623.	1.1	46
68	Aluminum <i>ansa</i> -Indenyl Compounds. Synthesis, Structures, Dynamic Properties, and Application in the Synthesis of Group 4 <i>ansa</i> -Metallocenes. <i>Organometallics</i> , 1999, 18, 5347-5359.	1.1	16
69	Aluminum Alkyl Complexes Containing Guanidinate Ligands. <i>Organometallics</i> , 1998, 17, 3265-3270.	1.1	116
70	Formation of Novel <i>ansa</i> -Carborane η^5 -Alkoxide Complexes by Carbonylation of $(C_5Me_5)(\eta^5-C_2B_9H_{11})TiMe$. <i>Organometallics</i> , 1998, 17, 1085-1091.	1.1	35
71	Neutral and Cationic Group 4 Metal Compounds Containing Octamethyldibenzotetraazaannulene (<i>Me₈taa²⁻</i>) Ligands. Synthesis and Reactivity of (<i>Me₈taa</i>)MX ₂ and (<i>Me₈taa</i>)MX ⁺ Complexes (M = Zr, Hf; X =) <i>J. Organomet. Chem.</i> 1998, 548, 141-148.	1.1	14
72	Synthesis, Structure, Dynamic Properties, and Indenyl Transfer Reactions of $\{AlMe_2(THF)(indenyl)\}_2SiMe_2$. <i>Organometallics</i> , 1998, 17, 281-283.	1.1	10

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73	Aluminum Complexes Incorporating Bulky Nitrogen and Sulfur Donor Ligands. <i>Organometallics</i> , 1998, 17, 4042-4048.	1.1	93
74	New Chiral Amide Ligands Derived from (±)-trans-1,2-Diaminocyclohexane. Applications in Titanium(IV) Chemistry. <i>Organometallics</i> , 1997, 16, 1392-1400.	1.1	82
75	Structural Trends in Group 4 Metal Tetraaza Macrocycle Complexes. Molecular Structures of (Me4taen)Zr(OtBu)2 and (Me4taen)Hf(NMe2)2. <i>Inorganic Chemistry</i> , 1997, 36, 103-108.	1.9	35
76	Stereoselective Propene Insertion Reactions of rac-(EBI)Zr(1-2-pyridyl)+Complexes. <i>Organometallics</i> , 1997, 16, 5541-5555.	1.1	32
77	Synthesis, Structure, and Reactivity of a Novel Hafnium Carboranyl Hydride Complex. <i>Organometallics</i> , 1997, 16, 1349-1351.	1.1	42
78	Synthesis, Structures, Bonding, and Ethylene Reactivity of Group 4 Metal Alkyl Complexes Incorporating 8-Quinolinolato Ligands. <i>Organometallics</i> , 1997, 16, 3282-3302.	1.1	157
79	Neutral and Cationic Zirconium Benzyl Complexes Containing Bidentate Pyridine Alkoxide Ligands. Synthesis and Olefin Polymerization Chemistry of (pyCR2O)2Zr(CH2Ph)2 and (pyCR2O)2Zr(CH2Ph)+Complexes. <i>Organometallics</i> , 1997, 16, 3303-3313.	1.1	115
80	Synthesis and Structures of rac-Me2Si(1-5-1-indenyl)2Hf(NMe2)2 and {Me2Si(1-5-1-indenyl)(1-3-2-indenyl)}Hf(NMe2)2. <i>Organometallics</i> , 1997, 16, 3044-3050.	1.1	33
81	Catalytic Dimerization of Terminal Alkynes by a Hafnium Carboranyl Complex. A "Self-Correcting" Catalyst. <i>Organometallics</i> , 1997, 16, 4508-4510.	1.1	83
82	In situ activation of rac-(SBI)Zr(NMe2)2 for the polymerization of propylene. <i>Polymer Bulletin</i> , 1997, 39, 325-331.	1.7	15
83	Synthesis, Structure, and Reactivity of rac-Me2Si(indenyl)2Zr(NMe2)2. <i>Organometallics</i> , 1996, 15, 4038-4044.	1.1	125
84	Synthesis of Group 4 Metal rac-(EBI)M(NR2)2 Complexes by Amine Elimination. Scope and Limitations. <i>Organometallics</i> , 1996, 15, 4030-4037.	1.1	122
85	Synthesis of Me2Si-Bridged ansa-Zirconocenes by Amine Elimination. <i>Organometallics</i> , 1996, 15, 4045-4053.	1.1	92
86	Propylene Polymerization with ansa-Metallocene Amide Complexes. <i>Macromolecules</i> , 1996, 29, 489-491.	2.2	67
87	New cationic group 4 metal alkyl complexes. <i>Macromolecular Symposia</i> , 1995, 89, 231-235.	0.4	12
88	Early Metal Carborane Chemistry. Generation and Reactivity of (C5Me5)(eta-5-C2B9H11)TiMe. <i>Organometallics</i> , 1995, 14, 2993-3001.	1.1	74
89	Chemistry of new electrophilic metal ALKYL compounds. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1993, 66, 121-126.	0.6	14
90	Group 4 metal dicarbollide chemistry. Synthesis, structures, and reactivity of electrophilic alkyl complexes (Cp*)(C2B9H11)M(R), M = Hf, Zr. <i>Journal of the American Chemical Society</i> , 1991, 113, 1455-1457.	6.6	137

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91	Ethylene polymerization by a cationic dicyclopentadienyl zirconium(IV) alkyl complex. Journal of the American Chemical Society, 1986, 108, 7410-7411.	6.6	369