

# Richard F Jordan

## List of Publications by Year in descending order

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91  
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4,940  
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87843

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docs citations

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#	ARTICLE	IF	CITATIONS
1	<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
2	Ethylene polymerization by a cationic dicyclopentadienyl zirconium(IV) alkyl complex. <i>Journal of the American Chemical Society</i> , 1986, 108, 7410-7411.	6.6	369
3	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
4	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
5	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
6	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
7	Synthesis, Structure, and Reactivity of rac-Me2Si(indenyl)2Zr(NMe2)2. <i>Organometallics</i> , 1996, 15, 4038-4044.	1.1	125
8	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
9	Aluminum Alkyl Complexes Containing Guanidinate Ligands. <i>Organometallics</i> , 1998, 17, 3265-3270.	1.1	116
10	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
11	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
12	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
13	Ethylene Polymerization by Palladium Alkyl Complexes Containing Bis(aryl)phosphino-toluenesulfonate Ligands. <i>Organometallics</i> , 2007, 26, 6624-6635.	1.1	103
14	Copolymerization of Silyl Vinyl Ethers with Olefins by (1±-diimine)PdR+. <i>Journal of the American Chemical Society</i> , 2006, 128, 12072-12073.	6.6	101
15	Neutral and Cationic Palladium(II) Bis(pyrazolyl)methane Complexes. <i>Organometallics</i> , 1999, 18, 4758-4764.	1.1	95
16	Aluminum Complexes Incorporating Bulky Nitrogen and Sulfur Donor Ligands. <i>Organometallics</i> , 1998, 17, 4042-4048.	1.1	93
17	Synthesis of Me2Si-Bridged ansa-Zirconocenes by Amine Elimination. <i>Organometallics</i> , 1996, 15, 4045-4053.	1.1	92
18	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

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19	Catalytic Dimerization of Terminal Alkynes by a Hafnium Carboranyl Complex. A "Self-Correcting" Catalyst. <i>Organometallics</i> , 1997, 16, 4508-4510.	1.1	83
20	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
21	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
22	Early Metal Carborane Chemistry. Generation and Reactivity of (C <sub>5</sub> Me <sub>5</sub> )(η <sup>5</sup> -C <sub>2</sub> B <sub>9</sub> H <sub>11</sub> )TiMe. <i>Organometallics</i> , 1995, 14, 2993-3001.	1.1	74
23	Enhancement of Chain Growth and Chain Transfer Rates in Ethylene Polymerization by (Phosphine-sulfonate)PdMe Catalysts by Binding of B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> to the Sulfonate Group. <i>ACS Catalysis</i> , 2012, 2, 1187-1195.	5.5	72
24	Acrylonitrile Insertion Reactions of Cationic Palladium Alkyl Complexes. <i>Journal of the American Chemical Society</i> , 2005, 127, 1841-1853.	6.6	68
25	Propylene Polymerization withansa-Metallocene Amide Complexes. <i>Macromolecules</i> , 1996, 29, 489-491.	2.2	67
26	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
27	Reaction of Vinyl Chloride with a Prototypical Metallocene Catalyst: A Stoichiometric Insertion and $\beta$ -Cl Elimination Reactions withrac-(EBI)ZrMe <sub>2</sub> and Catalytic Dechlorination/Oligomerization to Oligopropylene byrac-(EBI)ZrMe <sub>2</sub> /MAO. <i>Journal of the American Chemical Society</i> , 2000, 122, 6315-6316.	6.6	65
28	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
29	Base-Free Phosphine-Sulfonate Nickel Benzyl Complexes. <i>Organometallics</i> , 2008, 27, 4821-4824.	1.1	60
30	Neutral and Cationic Group 4 Metal Compounds Containing Octamethyldibenzotetraazaannulene (Me <sub>8</sub> taa <sup>2-</sup> ) Ligands. Synthesis and Reactivity of (Me <sub>8</sub> taa)MX <sub>2</sub> and (Me <sub>8</sub> taa)MX <sup>+</sup> Complexes (M = Zr, Hf; X =) <i>Tj ETQp 0 0 rg 88 /Overloc</i>		
31	Synthesis, cis/trans 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
32	Olefin Insertion into a Pd-F Bond: Catalyst Reactivation Following $\beta$ -F Elimination in Ethylene/Vinyl Fluoride Copolymerization. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1820-1824.	7.2	54
33	Sterically Crowded Gallium Amidinate Complexes. <i>Organometallics</i> , 1999, 18, 4619-4623.	1.1	46
34	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
35	(±-Diimine)nickel Complexes That Contain Menthyl Substituents: Synthesis, Conformational Behavior, and Olefin Polymerization Catalysis. <i>Organometallics</i> , 2017, 36, 2784-2799.	1.1	43
36	Synthesis, Structure, and Reactivity of a Novel Hafnium Carboranyl Hydride Complex. <i>Organometallics</i> , 1997, 16, 1349-1351.	1.1	42

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37	Generation and Insertion Reactivity of Cationic Palladium Complexes That Contain Halogenated Alkyl Ligands. <i>Organometallics</i> , 2004, 23, 600-609.	1.1	40
38	Comparison of Olefin Polymerization Behavior of Catalysts Generated by MAO Activation of TiIII and TiIV Tris(pyrazolyl)borate Complexes. <i>Macromolecules</i> , 2003, 36, 9707-9709.	2.2	39
39	Synthesis and Reactivity of a Tetragallium Macrocyclic. <i>Organometallics</i> , 2009, 28, 300-305.	1.1	38
40	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
41	Structural Trends in Group 4 Metal Tetraaza Macrocyclic Complexes. Molecular Structures of (Me4taen)Zr(OtBu)2 and (Me4taen)Hf(NMe2)2. <i>Inorganic Chemistry</i> , 1997, 36, 103-108.	1.9	35
42	Formation of Novelansa-Carborane $\pi$ -Alkoxide Complexes by Carbonylation of (C5Me5)( $\eta$ -5-C2B9H11)TiMe. <i>Organometallics</i> , 1998, 17, 1085-1091.	1.1	35
43	<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
44	Copolymerization of Ethylene with Acrylate Monomers by Amide-Functionalized $\eta^2$ -Diimine Pd Catalysts. <i>Organometallics</i> , 2017, 36, 1873-1879.	1.1	34
45	Synthesis and Structures of $\eta^5$ -Me2Si( $\eta$ -5-1-indenyl)2Hf(NMe2)2 and {Me2Si( $\eta$ -5-1-indenyl)( $\eta$ -3-2-indenyl)}Hf(NMe2)2. <i>Organometallics</i> , 1997, 16, 3044-3050.	1.1	33
46	Stereoselective Propene Insertion Reactions of $\eta^5$ -(EBI)Zr( $\eta$ -2-pyridyl)+ Complexes. <i>Organometallics</i> , 1997, 16, 5541-5555.	1.1	32
47	Sigma-Bond Metathesis Reactions of Zirconocene Alkyl Cations with Phenylsilane. <i>Organometallics</i> , 2005, 24, 2688-2697.	1.1	31
48	Mechanism of Ethylene Oligomerization by a Cationic Palladium(II) Alkyl Complex that Contains a	1.1	31
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	Comparative Reactivity of Zr $\pi$ and Pd $\pi$ Alkyl Complexes with Carbon Dioxide. <i>Organometallics</i> , 2013, 32, 6895-6898.	1.1	29
51	Allosteric Effects in Ethylene Polymerization Catalysis. Enhancement of Performance of Phosphine-Phosphinate and Phosphine-Phosphonate Palladium Alkyl Catalysts by Remote Binding of B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> . <i>Organometallics</i> , 2017, 36, 4990-5002.	1.1	27
52	Theoretical Studies of Cycloaddition Reactions of Cationic Aluminum $\eta^2$ -Diketimate Alkyl Complexes with Alkenes and Alkynes. <i>Organometallics</i> , 2005, 24, 5140-5146.	1.1	26
53	Ethylene Dimerization by Cationic Palladium(II) Alkyl Complexes that Contain Bis(heterocycle)methane Ligands. <i>Organometallics</i> , 2007, 26, 6726-6736.	1.1	26
54	Synthesis and Reactivity of Palladium(II) Alkyl Complexes that Contain Phosphine-cyclopentanesulfonate Ligands. <i>Organometallics</i> , 2017, 36, 3415-3428.	1.1	23

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55	Mechanism of the Reaction of Vinyl Chloride with ( $\hat{I}\pm$ -diimine)PdMe <sup>+</sup> Species. <i>Organometallics</i> , 2010, 29, 1750-1760.	1.1	22
56	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
57	Molecular Structure and Vinyl Chloride Insertion of a Cationic Zirconium(IV) Acyl Carbonyl Complex. <i>Organometallics</i> , 2003, 22, 2080-2086.	1.1	21
58	Tantalum-Mediated Oxidative Coupling of C <sub>2</sub> B <sub>9</sub> H <sub>11</sub> 2-Ligands. Synthesis and Characterization of $\{(1/4\text{-H})(\text{C}_2\text{B}_9\text{H}_{10})_2\}\text{TaCl}_2$ . <i>Organometallics</i> , 2000, 19, 4858-4861.	1.1	20
59	Synthesis and Reactivity of NHC-Supported Ni <sub>2</sub> ( $\hat{I}^{1/4}$ - $\hat{I}^{2/4}$ )-Bridging Disulfide and Ni <sub>2</sub> ( $\hat{I}^{1/4}$ -S)-Bridging Sulfide Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 2705-2712.	1.9	20
60	Chelate-Controlled Synthesis of <i>rac</i> - and <i>meso</i> -Me <sub>2</sub> Si(3- <i>t</i> Bu-C <sub>5</sub> H <sub>3</sub> ) <sub>2</sub> ZrCl <sub>2</sub> . <i>Organometallics</i> , 2003, 22, 5498-5503.	1.1	19
61	<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
62	Aluminum ansa-Indenyl Compounds. Synthesis, Structures, Dynamic Properties, and Application in the Synthesis of Group 4 ansa-Metallocenes. <i>Organometallics</i> , 1999, 18, 5347-5359.	1.1	16
63	Olefin Insertion into a Pd $\leftarrow$ F Bond: Catalyst Reactivation Following $\hat{P}\leftarrow$ F Elimination in Ethylene/Vinyl Fluoride Copolymerization. <i>Angewandte Chemie</i> , 2017, 129, 1846-1850.	1.6	16
64	In situ activation of <i>rac</i> -(SBI)Zr(NMe <sub>2</sub> ) <sub>2</sub> for the polymerization of propylene. <i>Polymer Bulletin</i> , 1997, 39, 325-331.	1.7	15
65	Photochemical synthesis of a palladium dichloromethyl complex, $\{(\text{hexyl})\text{HC}(\text{N-methyl-imidazol-2-yl})_2\}\text{Pd}(\text{CHCl}_2)\text{Cl}$ . <i>Journal of Organometallic Chemistry</i> , 2003, 683, 240-248.	0.8	15
66	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
67	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
68	Chemistry of new electrophilic metal ALKYL compounds. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1993, 66, 121-126.	0.6	14
69	Hydrogen Bonding Behavior of Amide-Functionalized $\hat{I}\pm$ -Diimine Palladium Complexes. <i>Organometallics</i> , 2014, 33, 7176-7192.	1.1	14
70	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
71	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
72	New cationic group 4 metal alkyl complexes. <i>Macromolecular Symposia</i> , 1995, 89, 231-235.	0.4	12

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73	Heterolytic H <sup>+</sup> and B <sup>-</sup> Bond Cleavage Reactions of $\{(IPr)Ni(\eta^5-S)\}_2$ . <i>Inorganic Chemistry</i> , 2017, 56, 9922-9930.	1.9	12
74	Differentiation between Chelate Ring Inversion and Aryl Rotation in a CF <sub>3</sub> -Substituted Phosphine-Sulfonate Palladium Methyl Complex. <i>Organometallics</i> , 2014, 33, 4486-4496.	1.1	11
75	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
76	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
77	Computational Modeling ofansa-Zirconocene Amide Complexes. <i>Organometallics</i> , 2004, 23, 5671-5680.	1.1	8
78	Multinuclear Palladium Olefin Polymerization Catalysts Based on Self-Assembled Zinc Phosphonate Cages. <i>Organometallics</i> , 2018, 37, 4664-4674.	1.1	8
79	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
80	Lewis Acid Catalyzed Synthesis of Poly(pyrazolyl)borate Ligands. <i>Organometallics</i> , 2010, 29, 3679-3682.	1.1	5
81	Autoxidation of Heterocyclic Aminals. <i>ACS Omega</i> , 2017, 2, 3055-3063.	1.6	5
82	7,8-Dicarbaundecaborane(13). <i>Inorganic Syntheses</i> , 2007, , 229-231.	0.3	4
83	Halogenolysis of a Nickelalactone Complex Produces $\hat{I}^2$ -Halo-Anhydrides. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5491-5494.	1.0	4
84	Olefin Insertion Reactivity of a (Phosphine-arenesulfonate)Palladium(II) Fluoride Complex. <i>Organometallics</i> , 2019, 38, 4250-4260.	1.1	4
85	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
86	Complexation of an indole-based $\hat{I}^{\pm}$ -aminoimine ligand to Pd(II). <i>Inorganica Chimica Acta</i> , 2018, 482, 491-496.	1.2	1
87	Crystal structure of <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1595-1598.	0.2	1
88	Crystal structure of zwitterionic 2-[bis(2-methoxyphenyl)phosphoniumyl]-4-methylbenzenesulfonate monohydrate dichloromethane monosolvate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 229-232.	0.2	1
89	Copolymerization of Ethylene and Vinyl Fluoride by Self-Assembled Multinuclear Palladium Catalysts. <i>Polymers</i> , 2020, 12, 1609.	2.0	0
90	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

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91	Crystal structure of 3-[(2-acetamidophenyl)imino]butan-2-one. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 193-195.	0.2	0