Paul J Chirik

List of Publications by Year
in descending order

286	22,072	6442	10370
papers	citations	81 h-index	141 g-index

426	426	426	12155
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Asymmetric Hydrogenation of Indazole-Containing Enamides Relevant to the Synthesis of Zavegepant Using Neutral and Cationic Cobalt Precatalysts. Organic Letters, 2024, 26, 2718-2723.	4.8	3
2	A butadiene-derived semicrystalline polyolefin with two-tiered chemical recyclability. CheM, 2024, 10, 698-712.	12.2	4
3	Introducing the Authorâ€™s Corner. Organometallics, 2024, 43, 203-204.	2.6	0
4	Ligand Field Sensitive Spin Acceleration in the Iron-Catalyzed [2 + 2] Cycloaddition of Unactivated Alkenes and Dienes. Journal of the American Chemical Society, 2024, 146, 9947-9956.	14.6	0
5	(Phenoxyimine)nickel-Catalyzed C(sp²)â€“C(sp³) Suzukiâ€“Miyaura Cross-Coupling: Evidence for a Recovering Radical Chain Mechanism. Journal of the American Chemical Society, 2024, 146, 10124-10141.	14.6	1
6	C(sp³)â€“C(sp³) Reductive Elimination from (Phenoxyimine)Cobalt(III)(CH₃)₂(PMe₃)₂ Complexes. Organometallics, 2024, 43, 1021-1029.	2.6	0
7	Synthesis, Thermochemistry, and Cure Behavior of Oligocyclobutane-Containing Prepolymers Relevant to Propellant Applications. ACS Applied Polymer Materials, 2024, 6, 5171-5182.	4.5	0
8	Thank You, Steve Ritter!. Organic Letters, 2024, 26, 4581-4582.	4.8	0
9	Thank You, Steve Ritter!. Inorganic Chemistry, 2024, 63, 10453-10454.	4.2	0
10	Thank You, Steve Ritter!. Organic Process Research and Development, 2024, 28, 2383-2384.	3.0	0
11	Thank You, Steve Ritter!. Organometallics, 2024, 43, 1203-1204.	2.6	0
12	Thank You, Steve Ritter!. Journal of Organic Chemistry, 2024, 89, 7353-7354.	3.3	0
13	Photodriven Ammonia Synthesis from Manganese Nitrides: Photophysics and Mechanistic Investigations. Journal of the American Chemical Society, 2024, 146, 27610-27621.	14.6	0
14	Identification of Cyclohexadienyl Hydrides as Intermediates in Molybdenumâ€Catalyzed Arene Hydrogenation. Angewandte Chemie - International Edition, 2023, 62, .	14.8	9
15	Identification of Cyclohexadienyl Hydrides as Intermediates in Molybdenumâ€Catalyzed Arene Hydrogenation. Angewandte Chemie, 2023, 135, .	2.1	1
16	Exploring the Effect of Pincer Rigidity on Oxidative Addition Reactions with Cobalt(I) Complexes. Organometallics, 2023, 42, 708-718.	2.6	7
17	Scoping Out 2023. Organometallics, 2023, 42, 175-176.	2.6	0
18	Iron-Catalyzed C(sp²)â€“C(sp³) Suzukiâ€“Miyaura Cross-Coupling Using an Alkoxide Base. ACS Catalysis, 2023, 13, 2443-2448.	11.7	18

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19	Bimolecular Reductive Elimination of Ethane from Pyridine(diimine) Iron Methyl Complexes: Mechanism, Electronic Structure, and Entry into [2+2] Cycloaddition Catalysis. Journal of the American Chemical Society, 2023, 145, 5061-5073.	14.6	5
20	Pentamethylcyclopentadienyl Metalloradical Iron Complexes Containing Redox Noninnocent Î±-Diimine-Type Ligands: Synthesis, Molecular, and Electronic Structures. Organometallics, 2023, 42, 465-472.	2.6	2
21	Collaboration as a Key to Advance Capabilities for Earth-Abundant Metal Catalysis. Organic Process Research and Development, 2023, 27, 1160-1184.	3.0	21
22	C_S-Symmetric Pyridine(diimine) Iron Methyl Complexes for Catalytic [2+2] Cycloaddition and Hydrovinylation: Metallacycle Geometry Determines Selectivity. Jacs Au, 2023, 3, 2007-2024.	8.3	5
23	Mechanistic Investigations of Phenoxyimineâ€“Cobalt(II)-Catalyzed C(sp²)â€“C(sp³) Suzukiâ€“Miyaura Cross-Coupling. Journal of the American Chemical Society, 2023, 145, 17029-17041.	14.6	14
24	Arene Insertion with Pincer-Supported Molybdenum-Hydrides: Determination of Site Selectivity, Relative Rates, and Arene Complex Formation. Journal of the American Chemical Society, 2023, 145, 21027-21039.	14.6	1
25	Quinoline Pyridine(Imine) Iron Complexes as Catalysts for the 1,4-Hydrovinylation of 1,3-Dienes. Organometallics, 2023, 42, 3109-3119.	2.6	2
26	Phenoxythiazoline (FTz)â€Cobalt(II) Precatalysts Enable C(sp²)â€“C(sp³) Bondâ€Formation for Key Intermediates in the Synthesis of Tollâ€like Receptor 7/8 Antagonists**. Angewandte Chemie - International Edition, 2023, 62, .	14.8	1
27	Phenoxythiazoline (FTz)â€Cobalt(II) Precatalysts Enable C(sp²)â€“C(sp³) Bondâ€Formation for Key Intermediates in the Synthesis of Tollâ€like Receptor 7/8 Antagonists**. Angewandte Chemie, 2023, 135, .	2.1	0
28	Iridium-Catalyzed Hydrogenation of a Phenoxy Radical to the Phenol: Overcoming Catalyst Deactivation with Visible Light Irradiation. Inorganic Chemistry, 2023, 62, 19582-19592.	4.2	1
29	Iridium-Catalyzed Hydrogenation of a Phenoxy Radical to the Phenol: Overcoming Catalyst Deactivation with Visible Light Irradiation. Inorganic Chemistry, 2023, 62, 19582-19592.	4.2	0
30	Cobalt-Catalyzed C(sp²)â€“C(sp³) Suzukiâ€“Miyaura Cross-Coupling Enabled by Well-Defined Precatalysts with L,X-Type Ligands. ACS Catalysis, 2022, 12, 1905-1918.	11.7	20
31	Visible-Light-Driven, Iridium-Catalyzed Hydrogen Atom Transfer: Mechanistic Studies, Identification of Intermediates, and Catalyst Improvements. Jacs Au, 2022, 2, 407-418.	8.3	16
32	Three-Component Coupling of Arenes, Ethylene, and Alkynes Catalyzed by a Cationic Bis(phosphine) Cobalt Complex: Intercepting Metallacyclopentenes for Câ€“H Functionalization. Journal of the American Chemical Society, 2022, 144, 4530-4540.	14.6	24
33	(PNP)Cobalt-Catalyzed Olefination of Diazoalkanes. Organometallics, 2022, 41, 3138-3144.	2.6	3
34	Ammonia synthesis by photocatalytic hydrogenation of a N2-derived molybdenum nitride. Nature Synthesis, 2022, 1, 297-303.	10.0	21
35	Cationic Bis(phosphine) Cobalt(I) Arene Complexes as Precatalysts for the Asymmetric Synthesis of Sitagliptin. ACS Catalysis, 2022, 12, 4680-4687.	11.7	20
36	Development of Cobalt Catalysts for the meta-Selective C(sp²)â€“H Borylation of Fluorinated Arenes. Journal of the American Chemical Society, 2022, 144, 6465-6474.	14.6	25

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37	Molybdenum-Catalyzed Asymmetric Hydrogenation of Fused Arenes and Heteroarenes. Journal of the American Chemical Society, 2022, 144, 11203-11214.	14.6	35
38	Pioneers and Influencers in Organometallic Chemistry: A Profile of Dr. Barbara Burger. Organometallics, 2022, 41, 1587-1589.	2.6	0
39	C(sp²)â€“H Activation with Bis(silylene)pyridine Cobalt(III) Complexes: Catalytic Hydrogen Isotope Exchange of Sterically Hindered Câ€“H Bonds. ACS Catalysis, 2022, 12, 8877-8885.	11.7	13
40	Nickel-Catalyzed Dimerization of Di- and Trisubstituted Olefins. Organometallics, 2022, 41, 2059-2066.	2.6	2
41	Cobalt-Catalyzed Asymmetric Hydrogenation of Enamides: Insights into Mechanisms and Solvent Effects. Organometallics, 2022, 41, 1872-1882.	2.6	12
42	Mechanistic Investigations of the Asymmetric Hydrogenation of Enamides with Neutral Bis(phosphine) Cobalt Precatalysts. Journal of the American Chemical Society, 2022, 144, 15764-15778.	14.6	26
43	Câ€“H Activation by Isolable Cationic Bis(phosphine) Cobalt(III) Metallacycles. Journal of the American Chemical Society, 2022, 144, 19186-19195.	14.6	9
44	Alcohol Synthesis by Cobalt-Catalyzed Visible-Light-Driven Reductive Hydroformylation. Journal of the American Chemical Society, 2022, 144, 19219-19224.	14.6	18
45	Catalytic Nâ€“H Bond Formation Promoted by a Ruthenium Hydride Complex Bearing a Redox-Active Pyrimidine-Imine Ligand. Journal of the American Chemical Society, 2022, 144, 20661-20671.	14.6	8
46	Cobalt-Catalyzed C(sp²)â€“C(sp³) Suzukiâ€“Miyaura Cross Coupling. Organic Letters, 2021, 23, 625-630.	4.8	28
47	Looking Forward to 2021: The Fabulous Forties!. Organometallics, 2021, 40, 95-97.	2.6	0
48	Iron-Catalyzed Vinylsilane Dimerization and Cross-Cycloadditions with 1,3-Dienes: Probing the Origins of Chemo- and Regioselectivity. ACS Catalysis, 2021, 11, 1368-1379.	11.7	13
49	Visible-Light-Enhanced Cobalt-Catalyzed Hydrogenation: Switchable Catalysis Enabled by Divergence between Thermal and Photochemical Pathways. ACS Catalysis, 2021, 11, 1351-1360.	11.7	37
50	Ligand substitution and electronic structure studies of bis(phosphine)cobalt cyclooctadiene precatalysts for alkene hydrogenation. Canadian Journal of Chemistry, 2021, 99, 193-201.	1.1	11
51	Pioneers and Influencers: A Profile of Dr. Kenrick Lewis. Organometallics, 2021, 40, 459-462.	2.6	0
52	A Tutorial on Selectivity Determination in C(sp²)â€“H Oxidative Addition of Arenes by Transition Metal Complexes. Organometallics, 2021, 40, 813-831.	2.6	30
53	Oxidative Addition of Aryl and Alkyl Halides to a Reduced Iron Pincer Complex. Journal of the American Chemical Society, 2021, 143, 5928-5936.	14.6	11
54	Synthesis and Asymmetric Alkene Hydrogenation Activity of C₂-Symmetric Enantioenriched Pyridine Dicarbene Iron Dialkyl Complexes. Organometallics, 2021, 40, 1053-1061.	2.6	8

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55	Synthesis, Electronic Structure, and Reactivity of a Planar Fourâ€Coordinate, Cobaltâ€“Imido Complex. Angewandte Chemie, 2021, 133, 14497-14501.	2.1	7
56	Synthesis, Electronic Structure, and Reactivity of a Planar Fourâ€Coordinate, Cobaltâ€“Imido Complex. Angewandte Chemie - International Edition, 2021, 60, 14376-14380.	14.8	33
57	Green Chemistry: A Framework for a Sustainable Future. Organometallics, 2021, 40, 1801-1805.	2.6	4
58	Green Chemistry: A Framework for a Sustainable Future. Organic Letters, 2021, 23, 4935-4939.	4.8	6
59	Green Chemistry: A Framework for a Sustainable Future. Environmental Science & Technology, 2021, 55, 8459-8463.	10.5	14
60	Green Chemistry: A Framework for a Sustainable Future. Organic Process Research and Development, 2021, 25, 1455-1459.	3.0	35
61	Green Chemistry: A Framework for a Sustainable Future. Journal of Organic Chemistry, 2021, 86, 8551-8555.	3.3	5
62	Green Chemistry: A Framework for a Sustainable Future. ACS Sustainable Chemistry and Engineering, 2021, 9, 8336-8340.	6.9	2
63	Green Chemistry: A Framework for a Sustainable Future. Environmental Science and Technology Letters, 2021, 8, 487-491.	8.8	11
64	Green Chemistry: A Framework for a Sustainable Future. Industrial & Engineering Chemistry Research, 2021, 60, 8964-8968.	3.8	3
65	Green Chemistry: A Framework for a Sustainable Future. ACS Omega, 2021, 6, 16254-16258.	3.6	10
66	Visible light enables catalytic formation of weak chemical bonds with molecular hydrogen. Nature Chemistry, 2021, 13, 969-976.	14.3	33
67	Mechanistic Origins of Regioselectivity in Cobalt-Catalyzed C(sp2)-H Borylation of Benzoate Esters and Arylboronate Esters. CheM, 2021, 7, 237-254.	12.2	17
68	Iron-catalysed synthesis and chemical recycling of telechelic 1,3-enchained oligocyclobutanes. Nature Chemistry, 2021, 13, 156-162.	14.3	61
69	Catalyst Design Principles Enabling Intermolecular Alkene-Diene [2+2] Cycloaddition and Depolymerization Reactions. Journal of the American Chemical Society, 2021, 143, 17793-17805.	14.6	15
70	Well-Defined Cationic Cobalt(I) Precatalyst for Olefin-Alkyne [2 + 2] Cycloaddition and Olefin-Diene Hydrovinylation Reactions: Experimental Evidence for Metallacycle Intermediates. Organometallics, 2021, 40, 3599-3607.	2.6	15
71	Effect of Pincer Methylation on the Selectivity and Activity in (PNP)Cobalt-Catalyzed C(sp²)â€“H Borylation. Organometallics, 2021, 40, 3766-3774.	2.6	8
72	40 Years of <i>Organometallics</i>. Organometallics, 2021, 40, 4035-4040.	2.6	0

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73	Direct Observation of Transmetalation from a Neutral Boronate Ester to a Pyridine(diimine) Iron Alkoxide. Organometallics, 2020, 39, 201-205.	2.6	13
74	Pyridine(diimine) Iron Diene Complexes Relevant to Catalytic [2+2]â€Cycloaddition Reactions. Advanced Synthesis and Catalysis, 2020, 362, 404-416.	4.5	17
75	Determination of the Nâ€“H Bond Dissociation Free Energy in a Pyridine(diimine)molybdenum Complex Prepared by Proton-Coupled Electron Transfer. Inorganic Chemistry, 2020, 59, 15394-15401.	4.2	8
76	C(sp²)â€“H Activation with Pyridine Dicarbene Iron Dialkyl Complexes: Hydrogen Isotope Exchange of Arenes Using Benzene-d₆ as a Deuterium Source. ACS Catalysis, 2020, 10, 8640-8647.	11.7	36
77	Synthesis of Cationic, Dimeric Î±-Diimine Nickel Hydride Complexes and Relevance to the Polymerization of Olefins. Organometallics, 2020, 39, 2630-2635.	2.6	13
78	Editorial Confronting Racism in Chemistry Journals. , 2020, 2, 829-831.		0
79	Actions at J. Org. Chem., Org. Lett. and Organometallics to Combat Discrimination and Bias. Organometallics, 2020, 39, 2929-2930.	2.6	0
80	Actions at J. Org. Chem., Org. Lett., and Organometallics to Combat Discrimination and Bias. Organic Letters, 2020, 22, 6221-6222.	4.8	0
81	Coordination-Induced Nâ€“H Bond Weakening in a Molybdenum Pyrrolidine Complex: Isotopic Labeling Provides Insight into the Pathway for H₂ Evolution. Organometallics, 2020, 39, 3050-3059.	2.6	8
82	Actions at J. Org. Chem., Org. Lett., and Organometallics to Combat Discrimination and Bias. Journal of Organic Chemistry, 2020, 85, 10285-10286.	3.3	2
83	Using natureâ€™s blueprint to expand catalysis with Earth-abundant metals. Science, 2020, 369, .	20.9	352
84	Dietmar Seyferth (1929â€“2020): A Foundational and Enduring Legacy at Organometallics. Organometallics, 2020, 39, 3061-3063.	2.6	0
85	Beyond Ammonia: Nitrogenâ€“Element Bond Forming Reactions with Coordinated Dinitrogen. Chemical Reviews, 2020, 120, 5637-5681.	51.4	178
86	Synthesis and Reactivity of Organometallic Intermediates Relevant to Cobaltâ€Catalyzed Hydroformylation. Angewandte Chemie - International Edition, 2020, 59, 8912-8916.	14.8	19
87	Pioneers and Influencers in Organometallic Chemistry: A Profile of Professor Jay Kochi. Organometallics, 2020, 39, 775-777.	2.6	0
88	C(sp²)â€“H Borylation of Heterocycles by Well-Defined Bis(silylene)pyridine Cobalt(III) Precatalysts: Pincer Modification, C(sp²)â€“H Activation, and Catalytically Relevant Intermediates. Organometallics, 2020, 39, 2763-2773.	2.6	24
89	Cobalt-Catalyzed Asymmetric Hydrogenation of Î±,Î²-Unsaturated Carboxylic Acids by Homolytic H₂ Cleavage. Journal of the American Chemical Society, 2020, 142, 5272-5281.	14.6	99
90	Investigations into the Mechanism of Inter- and Intramolecular Iron-Catalyzed [2 + 2] Cycloaddition of Alkenes. Journal of the American Chemical Society, 2020, 142, 5314-5330.	14.6	37

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91	2020 Vision: A Year for Pioneers and Influencers of Organometallic Chemistry. Organometallics, 2020, 39, 1-2.	2.6	2
92	Ketone Synthesis from Benzyldiboronates and Esters: Leveraging Î±-Boryl Carbanions for Carbonâ€“Carbon Bond Formation. Journal of the American Chemical Society, 2020, 142, 2429-2437.	14.6	52
93	From Russia, With Chemistry. Organic Letters, 2020, 22, 765-767.	4.8	0
94	A Boron Activating Effect Enables Cobalt-Catalyzed Asymmetric Hydrogenation of Sterically Hindered Alkenes. Journal of the American Chemical Society, 2020, 142, 3923-3930.	14.6	58
95	Synthesis and Reactivity of Organometallic Intermediates Relevant to Cobaltâ€Catalyzed Hydroformylation. Angewandte Chemie, 2020, 132, 8997-9001.	2.1	0
96	Catalytic Hydrogenation of a Manganese(V) Nitride to Ammonia. Journal of the American Chemical Society, 2020, 142, 9518-9524.	14.6	26
97	From Russia, With Chemistry. Organometallics, 2020, 39, 375-377.	2.6	1
98	From Russia, With Chemistry. Journal of Organic Chemistry, 2020, 85, 1325-1327.	3.3	0
99	Synthesis, Structure, and Hydrogenolysis of Pyridine Dicarbene Iron Dialkyl Complexes. Organometallics, 2019, 38, 3159-3168.	2.6	17
100	Remote, Diastereoselective Cobalt-Catalyzed Alkene Isomerizationâ€“Hydroboration: Access to Stereodefined 1,3-Difunctionalized Indanes. ACS Catalysis, 2019, 9, 9034-9044.	11.7	44
101	Titelbild: Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds (Angew. Chem. 27/2019). Angewandte Chemie, 2019, 131, 9041-9041.	2.1	1
102	Cobalt-Catalyzed Borylation of Fluorinated Arenes: Thermodynamic Control of C(sp²)-H Oxidative Addition Results in ortho-to-Fluorine Selectivity. Journal of the American Chemical Society, 2019, 141, 15378-15389.	14.6	53
103	A fresh approach to synthesizing ammonia from air and water. Nature, 2019, 568, 464-466.	36.2	25
104	[4 + 4]-cycloaddition of isoprene for the production of high-performance bio-based jet fuel. Green Chemistry, 2019, 21, 5616-5623.	9.4	42
105	Hydrogenation of N-Heteroarenes Using Rhodium Precatalysts: Reductive Elimination Leads to Formation of Multimetallic Clusters. Journal of the American Chemical Society, 2019, 141, 17900-17908.	14.6	69
106	Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds. Angewandte Chemie - International Edition, 2019, 58, 9194-9198.	14.8	70
107	Syntheses and Catalytic Hydrogenation Performance of Cationic Bis(phosphine) Cobalt(I) Diene and Arene Compounds. Angewandte Chemie, 2019, 131, 9292-9296.	2.1	28
108	Enabling Two-Electron Pathways with Iron and Cobalt: From Ligand Design to Catalytic Applications. Journal of the American Chemical Society, 2019, 141, 9106-9123.	14.6	118

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109	Regio- and Diastereoselective Iron-Catalyzed [4+4]-Cycloaddition of 1,3-Dienes. Journal of the American Chemical Society, 2019, 141, 8557-8573.	14.6	65
110	Organometallics Global Enterprise. Organometallics, 2019, 38, 1827-1827.	2.6	0
111	Evaluation of excited state bond weakening for ammonia synthesis from a manganese nitride: stepwise proton coupled electron transfer is preferred over hydrogen atom transfer. Chemical Communications, 2019, 55, 5595-5598.	4.2	21
112	Pyridine(diimine) Chelate Hydrogenation in a Molybdenum Nitrido Ethylene Complex. Organometallics, 2019, 38, 1682-1687.	2.6	13
113	Nâ€“H Bond Formation in a Manganese(V) Nitride Yields Ammonia by Light-Driven Proton-Coupled Electron Transfer. Journal of the American Chemical Society, 2019, 141, 4795-4799.	14.6	50
114	Ni(I)â€“X Complexes Bearing a Bulky Î±-Diimine Ligand: Synthesis, Structure, and Superior Catalytic Performance in the Hydrogen Isotope Exchange in Pharmaceuticals. Journal of the American Chemical Society, 2019, 141, 5034-5044.	14.6	103
115	Oxidative Addition of Dihydrogen, Boron Compounds, and Aryl Halides to a Cobalt(I) Cation Supported by a Strong-Field Pincer Ligand. Organometallics, 2019, 38, 1081-1090.	2.6	30
116	Organometallics in 2019: It is Elementary. Organometallics, 2019, 38, 195-197.	2.6	7
117	Exploring the Alcohol Stability of Bis(phosphine) Cobalt Dialkyl Precatalysts in Asymmetric Alkene Hydrogenation. Organometallics, 2019, 38, 149-156.	2.6	26
118	Dinitrogen Coupling to a Terpyridine-Molybdenum Chromophore Is Switched on by Fermi Resonance. CheM, 2019, 5, 402-416.	12.2	27
119	Exploring C(sp3)â€“C(sp3) reductive elimination from an isolable iron metallacycle. Polyhedron, 2019, 159, 308-317.	2.3	6
120	Expanding the Boundaries of Organometallic Chemistry. Organometallics, 2018, 37, 835-836.	2.6	5
121	Interconversion of Molybdenum Imido and Amido Complexes by Protonâ€Coupled Electron Transfer. Angewandte Chemie, 2018, 130, 2246-2250.	2.1	8
122	Synthesis and Electronic Structure Diversity of Pyridine(diimine)iron Tetrazene Complexes. Inorganic Chemistry, 2018, 57, 9634-9643.	4.2	19
123	Organometallics in 2018. Organometallics, 2018, 37, 271-272.	2.6	0
124	Selective [1,4]-Hydrovinylation of 1,3-Dienes with Unactivated Olefins Enabled by Iron Diimine Catalysts. Journal of the American Chemical Society, 2018, 140, 3443-3453.	14.6	84
125	Interconversion of Molybdenum Imido and Amido Complexes by Protonâ€Coupled Electron Transfer. Angewandte Chemie - International Edition, 2018, 57, 2224-2228.	14.8	40
126	Ultrafast Photophysics of a Dinitrogen-Bridged Molybdenum Complex. Journal of the American Chemical Society, 2018, 140, 6298-6307.	14.6	13

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127	Cobalt-catalysed alkene hydrogenation: a metallacycle can explain the hydroxyl activating effect and the diastereoselectivity. Chemical Science, 2018, 9, 4977-4982.	7.8	31
128	Earth-abundant transition metal catalysts for alkene hydrosilylation and hydroboration. Nature Reviews Chemistry, 2018, 2, 15-34.	22.6	651
129	Pyridine(diimine) Molybdenum-Catalyzed Hydrogenation of Arenes and Hindered Olefins: Insights into Precatalyst Activation and Deactivation Pathways. ACS Catalysis, 2018, 8, 5276-5285.	11.7	38
130	Air-Stable Î±-Diimine Nickel Precatalysts for the Hydrogenation of Hindered, Unactivated Alkenes. ACS Catalysis, 2018, 8, 342-348.	11.7	72
131	Proton-Coupled Electron Transfer to a Molybdenum Ethylene Complex Yields a Î²-Agostic Ethyl: Structure, Dynamics and Mechanism. Journal of the American Chemical Society, 2018, 140, 13817-13826.	14.6	18
132	Site-Selective Nickel-Catalyzed Hydrogen Isotope Exchange in N-Heterocycles and Its Application to the Tritiation of Pharmaceuticals. ACS Catalysis, 2018, 8, 10210-10218.	11.7	69
133	Cobalt Pincer Complexes in Catalytic Câ€“H Borylation: The Pincer Ligand Flips Rather Than Dearomatizes. ACS Catalysis, 2018, 8, 10606-10618.	11.7	42
134	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry. Journal of Organic Chemistry, 2018, 83, 9573-9579.	3.3	0
135	Iron-Mediated Coupling of Carbon Dioxide and Ethylene: Macrocyclic Metallalactones Enable Access to Various Carboxylates. Journal of the American Chemical Society, 2018, 140, 11589-11593.	14.6	33
136	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry. Inorganic Chemistry, 2018, 57, 11299-11305.	4.2	1
137	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry. Organometallics, 2018, 37, 2825-2831.	2.6	1
138	Synthesis and Reactivity of Reduced Î±-Diimine Nickel Complexes Relevant to Acrylic Acid Synthesis. Organometallics, 2018, 37, 3389-3393.	2.6	23
139	Straddling the Rooftop: Finding a Balance between Traditional and Modern Views of Chemistry. Organic Letters, 2018, 20, 5075-5081.	4.8	0
140	Dos and Donâ€™ts: Thoughts on How To Respond to Reviewer Comments. Organometallics, 2018, 37, 2655-2655.	2.6	6
141	Organometallics in 2017: A Global Endeavor. Organometallics, 2017, 36, 1-4.	2.6	2
142	C(sp²)â€“H Borylation of Fluorinated Arenes Using an Air-Stable Cobalt Precatalyst: Electronically Enhanced Site Selectivity Enables Synthetic Opportunities. Journal of the American Chemical Society, 2017, 139, 2825-2832.	14.6	113
143	Benzyltriboronates: Building Blocks for Diastereoselective Carbonâ€“Carbon Bond Formation. Journal of the American Chemical Society, 2017, 139, 2589-2592.	14.6	102
144	Kohlenstoffâ€Kohlenstoffâ€Bindungsbildung in einem schwachen Ligandenfeld: Nutzung von Openâ€Shellâ€Ãœbergangsmetallkatalysatoren der ersten Ãœbergangsperiode. Angewandte Chemie, 2017, 129, 5252-5265.	2.1	25

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145	Carbonâ€“Carbon Bond Formation in a Weak Ligand Field: Leveraging Openâ€Shell Firstâ€Row Transitionâ€Metal Catalysts. Angewandte Chemie - International Edition, 2017, 56, 5170-5181.	14.8	128
146	Cobalt-Catalyzed 1,1-Diboration of Terminal Alkynes: Scope, Mechanism, and Synthetic Applications. Journal of the American Chemical Society, 2017, 139, 3868-3875.	14.6	136
147	Ammonia Activation, H₂ Evolution and Nitride Formation from a Molybdenum Complex with a Chemically and Redox Noninnocent Ligand. Journal of the American Chemical Society, 2017, 139, 6110-6113.	14.6	79
148	Mechanistic Studies of Cobalt-Catalyzed C(sp²)â€“H Borylation of Five-Membered Heteroarenes with Pinacolborane. ACS Catalysis, 2017, 7, 4366-4371.	11.7	54
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