

Joseph M O connor

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1201912/joseph-m-oconnor-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

84 papers	2,319 citations	25 h-index	45 g-index
88 ext. papers	2,451 ext. citations	10.5 avg, IF	4.44 L-index

#	Paper	IF	Citations
84	Transition-Metal Catalysis of Triene 6 π Electrocyclization: The π -Complexation Strategy Realized. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17958-17965	16.4	7
83	Transition-Metal Catalysis of Triene 6 π Electrocyclization: The π -Complexation Strategy Realized. <i>Angewandte Chemie</i> , 2020 , 132, 18114-18121	3.6	
82	Acid-Induced Liberation of Polysubstituted Cyclopentadiene Ligands from Cyclopentadienyl Cobalt: A [2 + 2 + 1] Cycloaddition Route toward 1,2,4-Trisubstituted Cyclopentadienes. <i>Journal of Organic Chemistry</i> , 2019 , 84, 13992-14004	4.2	0
81	Metal-Alkyne and Metallacyclobutene Reactivity toward a Diazoacetamide: Conversion to Highly Functionalized 1,3-Diene Complexes and Oxametallacyclopentadienes. <i>Organometallics</i> , 2019 , 38, 863-869	3.8	3
80	Triple carbon π -fluorine bond activation for modification of metal ligands: Synthesis of the first π -C5Me4(CHPh2) transition metal complex. <i>Polyhedron</i> , 2019 , 157, 406-409	2.7	0
79	Stereoselective Formation of π -Arene Ruthenium(II) Complexes via Metal-Triggered Bergman and Hopf Cycloaromatizations. <i>Organometallics</i> , 2017 , 36, 4256-4267	3.8	3
78	Photoactivated Transition-Metal Triggers for Ambient Temperature Enediyne and Dienyne Cyclization: Ruthenium- π -Naphthalene Complexes. <i>Organometallics</i> , 2017 , 36, 3967-3973	3.8	6
77	Structure and dynamics in unsymmetrically substituted five-coordinate iridacyclopentadiene complexes. <i>Journal of Physical Organic Chemistry</i> , 2015 , 28, 199-202	2.1	3
76	Stereospecific Oxidative Demetallation of Highly Functionalized CpCo(1,3-Diene) Complexes: An Experimental and Computational Study. <i>Synlett</i> , 2015 , 26, 2243-2246	2.2	2
75	Synthesis of the cobalt-alkyne complex (π -C5H5)(PPh3)Co(η -(Me3Si)CC(CO2Et)) and structural characterization of trimethylsilyl substituted cobaltacyclopentadiene complexes derived therefrom. <i>Journal of Organometallic Chemistry</i> , 2014 , 749, 100-105	2.3	2
74	Chemistry at the alkyne-carbene intersection: a metallacyclobutene- π -vinylcarbene equilibration. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8826-9	16.4	15
73	Structural Characterization of (C5H5)Co(PPh3)(η -alkyne) and (C5H5)Co(η -alkyne) Complexes of Highly Polarized Alkynes. <i>Organometallics</i> , 2013 , 32, 5473-5480	3.8	9
72	Addition of Dissimilar Carbenes across an Unsymmetrically Substituted Alkyne: Regio- and Stereoselective Synthesis of Trisubstituted 1,3-Dienes. <i>Organometallics</i> , 2011 , 30, 369-371	3.8	8
71	Acceleration of conjugated dienyne cycloaromatization. <i>Chemical Reviews</i> , 2011 , 111, 7904-22	68.1	34
70	Cobalt 1,3-Diisopropyl-1H-imidazol-2-ylidene Complexes: Synthesis, Solid-State Structures, and Quantum Chemistry Calculations. <i>Organometallics</i> , 2010 , 29, 6695-6702	3.8	26
69	Protonation of Cobalt-Allene Constitutional Isomers: Highly Selective Formation of Cobalt-Allyl and Oxacobaltacyclopentadiene Complexes. <i>Organometallics</i> , 2010 , 29, 6161-6164	3.8	4
68	A photochemical metallocene route to anionic enediynes: synthesis, solid-state structures, and ab initio computations on cyclopentadienidoenediynes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11030-2	16.4	2

67	Synthesis and solid-state structures of (triphos)iridacyclopentadiene complexes as models for vinylidene intermediates in the [2 + 2 + 1] cyclotrimerization of alkynes. <i>Inorganica Chimica Acta</i> , 2010 , 364, 220-225	2.7	7
66	The Isolation of a Large Cyclopentadienylcobaltsulfide Cluster. The Synthesis and Crystal Structure of Octahedral closo-(β -C ₅ H ₅ Co) ₅ S. <i>Journal of Cluster Science</i> , 2009 , 20, 261-265	3	2
65	Nitroso Compounds Serve as Precursors to Late-Metal σ (N,O)-Hydroxylamido Complexes. <i>Organometallics</i> , 2009 , 28, 394-396	3.8	11
64	Reactions of a metallacyclobutene complex with alkenes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10093-5	16.4	17
63	Charge-separation in uranium diazomethane complexes leading to C-H activation and chemical transformation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2806-16	16.4	69
62	Structural and spectroscopic characterization of a charge-separated uranium benzophenone ketyl radical complex. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6567-76	16.4	94
61	Transition-Metal Hydrides as Hydrogen Atom Donors: Stronger Metal-Hydrogen Bonds Can Be Advantageous. <i>Organometallics</i> , 2008 , 27, 4280-4281	3.8	18
60	Iridium(III)-Vinylidene chemistry: Conversion of an iridacyclopentadiene-chlorido complex and terminal alkynes to iridacyclopentadiene-vinyl complexes. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3033-3041	2.7	4
59	Nucleophilic addition to a p-benzyne derived from an enediyne: a new mechanism for halide incorporation into biomolecules. <i>Journal of the American Chemical Society</i> , 2007 , 129, 4795-9	16.4	83
58	Sulfoxide carbon-sulfur bond activation. <i>Journal of the American Chemical Society</i> , 2005 , 127, 4180-1	16.4	25
57	A transition-metal-catalyzed enediyne cycloaromatization. <i>Journal of the American Chemical Society</i> , 2005 , 127, 16342-3	16.4	55
56	An eta(6)-dienyne transition-metal complex. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9346-7	16.4	20
55	Ring selectivity and migratory aptitude of Cp*Ru ⁺ complexation to acecorannulene. <i>Chemical Communications</i> , 2004 , 950-1	5.8	34
54	Thermolysis of [(β -C ₅ H ₅)Co(PPh ₃) ₂ (η -DMAD)], revisited: a solid state analysis reveals the true structure of the triphenylphosphine-alkyne coupling product. <i>Journal of Organometallic Chemistry</i> , 2003 , 671, 1-7	2.3	17
53	Ring-strain effects on the oxidation potential of enediynes and enediyne complexes. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 763-6	3.9	9
52	Conversion of (β -C ₅ H ₅)Co(PPh ₃) ₂ and Nitro Compounds to Mononuclear σ (N)-Nitrosoalkyl and Dinuclear σ (N): σ (N,O)-Nitrosoaryl Complexes. <i>Organometallics</i> , 2003 , 22, 5268-5273	3.8	14
51	Hydrotris(pyrazolyl)borate metallacycles: conversion of a late-metal metallacyclopentene to a stable metallacyclopentadiene-alkene complex. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2434-5	16.4	32
50	Ruthenium-mediated cycloaromatization of acyclic enediynes and dienyne at ambient temperature. <i>Journal of the American Chemical Society</i> , 2002 , 124, 3506-7	16.4	45

49	Synthesis and Solid State Characterization of a Meridional Triphos Iridium Metallacyclobutene Carbene Complex: $[\{\text{PhP}(\text{CH}_2\text{CH}_2\text{PPh}_2)_2\} \text{Ir}(\text{C}(\text{CH}_2)_3\text{O})][\text{BF}_4]$ (R = Co ₂ Me). <i>Organometallics</i> , 2001 , 20, 1482-1485	3.8	21
48	Iridacyclopentadiene Reactions with Terminal Alkynes: Tandem Cycloaromatization and Orthometalation. <i>Organometallics</i> , 2001 , 20, 3710-3717	3.8	34
47	Inhibition and Acceleration of the Bergman Cycloaromatization Reaction by the Pentamethylcyclopentadienyl Ruthenium Cation. <i>Journal of the American Chemical Society</i> , 2000 , 122, 12057-12058	16.4	43
46	Envelope-Flip Dynamics in CpCo(Diene) Complexes: an ab Initio Quantum Mechanical Study. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 10126-10131	2.8	7
45	Electrochemistry Studies of a Metallacyclobutene Complex: Synthesis of a Furan Product by Oxidation of a Cobaltacyclobutene. <i>Organometallics</i> , 1998 , 17, 1007-1009	3.8	6
44	Conversion of a Metallacyclobutene to Cobalt-Allenene Complexes. <i>Journal of the American Chemical Society</i> , 1998 , 120, 1100-1101	16.4	13
43	Diazoketones Undergo Reaction with a Cobalt Alkyne Complex To Give Highly Functionalized Conjugated Dienes. <i>Organometallics</i> , 1997 , 16, 5589-5591	3.8	15
42	Hexahapto Metal Coordination to Curved Polyaromatic Hydrocarbon Surfaces: The First Transition Metal Corannulene Complex. <i>Journal of the American Chemical Society</i> , 1997 , 119, 4781-4782	16.4	114
41	[2 + 2 + 1] Alkyne Cyclotrimerizations: A Metallacyclopentadiene Route to Fulvenes. <i>Journal of the American Chemical Society</i> , 1997 , 119, 3631-3632	16.4	65
40	New transition metal binding modes for creatinine: molecular structures of $[(\text{C}_4\text{R}_4)\text{Ir}(\text{C}_4\text{H}_7\text{N}_3\text{O})(\text{PPh}_3)_2\text{Cl}]$ and $[(\text{C}_4\text{R}_4)\text{Ir}(\text{C}_4\text{H}_7\text{N}_3\text{O})(\text{PPh}_3)_2]\text{BF}_4$, (R = CO ₂ CH ₃). <i>Polyhedron</i> , 1997 , 16, 2029-2035	2.7	17
39	Fluoride induced isomerization of cobalt diene complexes. <i>Tetrahedron Letters</i> , 1997 , 38, 5241-5244	2	12
38	Formal Vinylidene Ligand Insertion into a Metal Halide Bond. <i>Journal of the American Chemical Society</i> , 1995 , 117, 8861-8862	16.4	12
37	Synthesis and Structural Characterization of a Diiridium μ -Acyl Complex. <i>Organometallics</i> , 1995 , 14, 2102-2105	3.8	12
36	Low-valent Organorhenium Compounds 1995 , 167-229		5
35	A New Metal-Mediated Cyclization: Conversion of a Metallacyclobutene and Alkyne Substrates to η^4 -Cyclopentadiene Products. <i>Journal of the American Chemical Society</i> , 1995 , 117, 8029-8030	16.4	17
34	Prop-2-ynyl alcohol as a precursor to the η^2 -ethenyl ligand. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 1209-1210		25
33	A high-yield conversion of trans-carbonylchlorobis(triphenylphosphine)rhodium to chlorotris(triphenylphosphine) rhodium. <i>Inorganic Chemistry</i> , 1993 , 32, 1866-1867	5.1	11
32	Late metal metallacyclobutene chemistry: conversion to η^4 -vinylketene, η^4 -vinylketenimine, and furan products. <i>Journal of the American Chemical Society</i> , 1993 , 115, 9846-9847	16.4	25

31	Formation of a stable metallacyclobutene complex from .alpha.-diazocarbonyl and alkyne substrates. <i>Journal of the American Chemical Society</i> , 1993 , 115, 1586-1588	16.4	38
30	Conversion of a metallaenolate complex to a bimetallic Eketene complex: molecular structure of (B-C5Me5)(NO)(PPh3)Re[Et(COCH2)-C1:C2]Re(CO)4(PPh3). <i>Polyhedron</i> , 1993 , 12, 527-532	2.7	2
29	Reactivity studies on bimetallic E-malonyl complexes: cleavage and alkylation chemistry of the malonyl ligand. <i>Journal of Organometallic Chemistry</i> , 1993 , 455, 143-156	2.3	3
28	Metal-catalyzed decarbonylation of primary aldehydes at room temperature. <i>Journal of Organic Chemistry</i> , 1992 , 57, 5075-5077	4.2	66
27	Phosphine induced cyclopentadienyl ring slippage catalyzes CO insertion into a methyl rhenium compound to produce an acetyl rhenium compound. <i>Journal of Organometallic Chemistry</i> , 1992 , 428, 99-105	2.3	10
26	Keto-enol tautomerization in metal-acyl complexes: the enolization properties of bimetallic .mu.-malonyl compounds. <i>Journal of the American Chemical Society</i> , 1991 , 113, 4530-4544	16.4	21
25	Synthesis and Structure of Annelated Carbon Rings Containing a Bridgehead Transition Metal. <i>Angewandte Chemie International Edition in English</i> , 1990 , 29, 543-545		22
24	Synthesis and structural characterization of bimetallic .mu.-malonyl complexes. <i>Journal of the American Chemical Society</i> , 1990 , 112, 7585-7598	16.4	10
23	Metallacycle annelation: reaction of a metallacycle .alpha.-substituent and a vinylidene ligand to give a bicyclic metallalactone complex. <i>Journal of the American Chemical Society</i> , 1990 , 112, 9627-9628	16.4	20
22	Carbene ligand insertion into a metallacycle ring: a metallacyclopentadiene to metallacyclobutene conversion. <i>Journal of the American Chemical Society</i> , 1990 , 112, 6731-6732	16.4	16
21	Synthesis, structure, and reactivity of metallacycle-carbene and -bis(carbene) complexes. A new intramolecular carbene-carbene coupling process. <i>Journal of the American Chemical Society</i> , 1990 , 112, 6232-6247	16.4	42
20	Surreptitious involvement of a metallacycle substituent in metal-mediated alkyne cleavage chemistry. <i>Journal of the American Chemical Society</i> , 1990 , 112, 9013-9015	16.4	56
19	On the mechanism of a new metallacycle annelation reaction: evidence for an intramolecular methoxy group transfer. <i>Journal of the American Chemical Society</i> , 1990 , 112, 9663-9665	16.4	31
18	Structure of [P(CH3)(C6H5)3]2[{IPd[CC(=O)(OCH3)]4}2]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1989 , 45, 1626-1628		2
17	Oxidative coupling of cis-carbene ligands: synthesis, structure, and reactivity of an iridium(III) bis(oxacyclopentylidene) complex. <i>Journal of the American Chemical Society</i> , 1989 , 111, 4129-4130	16.4	21
16	Synthesis and characterization of a novel bimetallic .mu.-malonyl complex. The first x-ray crystal structure of alkali metal chelation by a neutral malonyl compound. <i>Journal of the American Chemical Society</i> , 1989 , 111, 7633-7634	16.4	9
15	A new mode of carbene reactivity: coupling with two alkynes to generate highly substituted cyclopentadiene products. <i>Journal of the American Chemical Society</i> , 1989 , 111, 1889-1891	16.4	18
14	Nucleophilic cleavage of the sp3 carbon-oxygen bond in alkoxycarbene complexes: conversion of 2-oxacyclopentylidene ligands to pyridinium-substituted acyl ligands. <i>Organometallics</i> , 1988 , 7, 2060-2062	3.8	10

13	Thermodynamic control of stereochemistry in alkylation of chiral transition-metal .beta.-oxoacyl compounds: enolization without epimerization. <i>Organometallics</i> , 1988 , 7, 2422-2424	3.8	4
12	Observation of a transition metal-enol complex and stereoselective keto-enol tautomerization in transition metal-acyl compounds. <i>Journal of the American Chemical Society</i> , 1988 , 110, 4448-4450	16.4	5
11	Ring-slippage chemistry of transition metal cyclopentadienyl and indenyl complexes. <i>Chemical Reviews</i> , 1987 , 87, 307-318	68.1	427
10	The first stable metallacycle-carbene complexes: structural characterization of [cyclic] Ir(CR:CR:CR:CR)(PPh ₃) ₂ (CO)(:C(CH ₂) ₃ O)+BF ₄ ⁻ , R = CO ₂ CH ₃ . <i>Journal of the American Chemical Society</i> , 1987 , 109, 7578-7579	16.4	22
9	Bimetallic .mu.-malonyl compounds. Synthesis, characterization, and reactivity of (.eta. ⁵ -C ₅ Me ₅)Re(NO)(PPh ₃)-cyclo[(.mu.-.eta. ¹ ,.eta. ² -COCH ₂ CO)M(CO) ₄] (M = Re, Mn). <i>Organometallics</i> , 1987 , 6, 1987-1989	3.8	9
8	Stepwise assembly of a trinuclear bis(carbyne) complex from cyclopentadienylcobalt units with bis(trimethylsilyl)acetylene: isolation and conversion of Cp ₂ M ₂ (RC.tplbond.CR) and CpM ₃ (RC.tplbond.CR) [M = Co and R = (CH ₃) ₃ Si]. <i>Organometallics</i> , 1986 , 5, 394-397	3.8	37
7	The .eta. ⁵ to .eta. ¹ conversions of indenyltricarbonylrhenium. <i>Organometallics</i> , 1985 , 4, 384-388	3.8	43
6	Synthesis and reactions of a cyclopentadienylidene ketene complex. <i>Journal of the American Chemical Society</i> , 1985 , 107, 3172-3177	16.4	15
5	Interconversions of .eta. ⁵ -cyclopentadienyl, .eta. ¹ -cyclopentadienyl, and ionic ".eta. ⁰ "-cyclopentadienyl rhenium compounds - x-ray crystal structure of tetrakis(trimethylphosphine)methylnitrosylrhenium cyclopentadienide. <i>Journal of the American Chemical Society</i> , 1985 , 107, 1241-1246	16.4	47
4	Intermediates in the associative phosphine substitution reaction of (.eta. ⁵ -C ₅ H ₅)Re(CO) ₃ . <i>Organometallics</i> , 1983 , 2, 535-538	3.8	38
3	Some aspects of palladium-catalyzed reactions of aryl and vinylic halides with conjugated dienes in the presence of mild nucleophiles. <i>Journal of Organic Chemistry</i> , 1983 , 48, 807-809	4.2	75
2	Conversion of an .eta. ⁵ -C ₅ H ₅ complex into a cyclopentadienylidene ketene complex. <i>Journal of the American Chemical Society</i> , 1983 , 105, 2919-2920	16.4	12
1	Synthesis of electrophilic (dimethylcarbene)iron complexes. <i>Journal of the American Chemical Society</i> , 1982 , 104, 3761-3762	16.4	56