

Matthew E O'reilly

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Rapid Electrochemical Methane Functionalization Involves Pd ^{II} -Pd Bonded Intermediates. <i>Journal of the American Chemical Society</i> , 2020, 142, 20631-20639.	13.7	21
2	Catalytic Methane Monofunctionalization by an Electrogenerated High-Valent Pd Intermediate. <i>ACS Central Science</i> , 2017, 3, 1174-1179.	11.3	76
3	β -Alkyl Elimination: Fundamental Principles and Some Applications. <i>Chemical Reviews</i> , 2016, 116, 8105-8145.	47.7	102
4	Organometallic Complexes Anchored to Conductive Carbon for Electrocatalytic Oxidation of Methane at Low Temperature. <i>Journal of the American Chemical Society</i> , 2016, 138, 116-125.	13.7	34
5	Remote Multiproton Storage within a Pyrrolide β -Pincer-Type Ligand. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15138-15142.	13.8	28
6	Rhodium Bis(quinolinyl)benzene Complexes for Methane Activation and Functionalization. <i>Chemistry - A European Journal</i> , 2015, 21, 1286-1293.	3.3	24
7	Trianionic pincer and pincer-type metal complexes and catalysts. <i>Chemical Society Reviews</i> , 2014, 43, 6325-6369.	38.1	160
8	Long-Range C-H Bond Activation by Rh ^{III} -Carboxylates. <i>Journal of the American Chemical Society</i> , 2014, 136, 14690-14693.	13.7	27
9	Reductive functionalization of a rhodium(III)-methyl bond by electronic modification of the supporting ligand. <i>Dalton Transactions</i> , 2014, 43, 8273.	3.3	26
10	Compelling mechanistic data and identification of the active species in tungsten-catalyzed alkyne polymerizations: conversion of a trianionic pincer into a new tetraanionic pincer-type ligand. <i>Chemical Science</i> , 2013, 4, 1145.	7.4	56
11	Unusually stable tungstenacyclobutadienes featuring an ONO trianionic pincer-type ligand. <i>Dalton Transactions</i> , 2013, 42, 3326.	3.3	51
12	The influence of reversible trianionic pincer OCO ³⁻ $\frac{1}{4}$ -oxo Cr ^{IV} dimer formation ([Cr ^{IV}] ₂ ($\frac{1}{4}$ -O)) and donor ligands in oxygen-atom-transfer (OAT). <i>Dalton Transactions</i> , 2012, 41, 2237-2246.	3.3	17
13	A New ONO ³⁻ Trianionic Pincer-Type Ligand for Generating Highly Nucleophilic Metal β -Carbon Multiple Bonds. <i>Journal of the American Chemical Society</i> , 2012, 134, 11185-11195.	13.7	66
14	Autocatalytic O ₂ Cleavage by an OCO ³⁻ Trianionic Pincer Cr ^{III} Complex: Isolation and Characterization of the Autocatalytic Intermediate [Cr ^{IV}] ₂ ($\frac{1}{4}$ -O) Dimer. <i>Journal of the American Chemical Society</i> , 2011, 133, 13661-13673.	13.7	37