

# Matthew E O'reilly

## List of Publications by Year in descending order

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14  
papers

726  
citations

623734

14  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

963  
citing authors

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