

Keishi Yamamoto

List of Publications by Year in descending order

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papers

697
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840776

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21
docs citations

21
times ranked

816
citing authors

#	ARTICLE	IF	CITATIONS
1	Bridging the Gap between Industrial and Well-Defined Supported Catalysts. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6398-6440.	13.8	193
2	Metathesis Activity Encoded in the Metallacyclobutane Carbon-13 NMR Chemical Shift Tensors. <i>ACS Central Science</i> , 2017, 3, 759-768.	11.3	84
3	Mechanistic understanding of alkyne cyclotrimerization on mononuclear and dinuclear scaffolds: [4 + 2] cycloaddition of the third alkyne onto metallacyclopentadienes and dimetallacyclopentadienes. <i>Dalton Transactions</i> , 2016, 45, 17072-17081.	3.3	59
4	Orbital Analysis of Carbon-13 Chemical Shift Tensors Reveals Patterns to Distinguish Fischer and Schrock Carbenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10127-10131.	13.8	57
5	Metal alkyls programmed to generate metal alkylidenes by $\hat{\pm}$ -H abstraction: prognosis from NMR chemical shift. <i>Chemical Science</i> , 2018, 9, 1912-1918.	7.4	47
6	Direct Evidence for a [4+2] Cycloaddition Mechanism of Alkynes to Tantalacyclopentadiene on Dinuclear Tantalum Complexes as a Model of Alkyne Cyclotrimerization. <i>Chemistry - A European Journal</i> , 2015, 21, 11369-11377.	3.3	44
7	NMR chemical shift analysis decodes olefin oligo- and polymerization activity of d ⁰ group 4 metal complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5867-E5876.	7.1	40
8	Eine Brücke zwischen industriellen und wohldefinierten Trägerkatalysatoren. <i>Angewandte Chemie</i> , 2018, 130, 6506-6551.	2.0	39
9	Silica-supported isolated molybdenum di-oxo species: formation and activation with organosilicon agent for olefin metathesis. <i>Chemical Communications</i> , 2018, 54, 3989-3992.	4.1	28
10	Alkyne-Induced Facile C-C Bond Formation of Two $\hat{\pm}$ -Alkynes on Dinuclear Tantalum Bis(alkyne) Complexes To Give Dinuclear Tantalacyclopentadienes. <i>Organometallics</i> , 2016, 35, 1573-1581.	2.3	20
11	Synthesis and Characterization of Heterobimetallic Tantalum-Rhodium and Tantalum-Iridium Complexes Connected by a Tantalacyclopentadiene Fragment. <i>Helvetica Chimica Acta</i> , 2016, 99, 848-858.	1.6	15
12	Orbital Analysis of Carbon-13 Chemical Shift Tensors Reveals Patterns to Distinguish Fischer and Schrock Carbenes. <i>Angewandte Chemie</i> , 2017, 129, 10261-10265.	2.0	13
13	Reversible Transformation between Alkylidene, Alkylidyne, and Vinylidene Ligands in High-Valent Bis(phenolate) Tungsten Complexes. <i>Organometallics</i> , 2016, 35, 932-935.	2.3	10
14	Activation of O ₂ by Organosilicon Reagents Yields Quantitative Amounts of H ₂ O ₂ or (Me ₃ Si) ₂ O ₂ for Efficient O-Transfer Reactions. <i>Helvetica Chimica Acta</i> , 2018, 101, e1800156.	1.6	9
15	Electronic Structure-Reactivity Relationship on Ruthenium Step-Edge Sites from Carbonyl 13C Chemical Shift Analysis. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3348-3353.	4.6	9
16	Non-bridged half-metallocene complexes of group 4-6 metals with chelating ligands as well-defined catalysts for $\hat{\pm}$ -olefin polymerization. <i>Polymer Journal</i> , 2015, 47, 2-17.	2.7	8
17	Synthesis and Reactions of Ditantalum-Allyl Complexes Derived from Intramolecular C-H Bond Activation of the Methylene of the Ethyl Group Bound to Ditantallacyclopentadiene. <i>Organometallics</i> , 2016, 35, 2384-2390.	2.3	8
18	Tantalacyclopentadiene as a unique metal-containing diene ligand coordinated to nickel for preparing tantalum-nickel heterobimetallic complexes. <i>Dalton Transactions</i> , 2017, 46, 13043-13054.	3.3	6

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19	C ² –C ² Bond Fission of Metallacyclopentadiene over a Low-Valent Ditantalum Scaffold. <i>Organometallics</i> , 2019, 38, 722-729.	2.3	5
20	Modeling on Hydrogen Absorption in Tetrahydrofuran Hydrate. <i>Journal of Chemical Engineering of Japan</i> , 2012, 45, 444-451.	0.6	3