

# Anne Baudouin

## List of Publications by Year in descending order

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39  
papers

2,171  
citations

218677

26  
h-index

276875

41  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1669  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Highly Active Well-Defined Rhenium Heterogeneous Catalyst for Olefin Metathesis Prepared via Surface Organometallic Chemistry. <i>Journal of the American Chemical Society</i> , 2001, 123, 2062-2063.	13.7	194
2	Dinitrogen Dissociation on an Isolated Surface Tantalum Atom. <i>Science</i> , 2007, 317, 1056-1060.	12.6	163
3	A Well-Defined, Silica-Supported Tungsten Imido Alkylidene Olefin Metathesis Catalyst. <i>Organometallics</i> , 2006, 25, 3554-3557.	2.3	152
4	Detailed Structural Investigation of the Grafting of [Ta(CHtBu)(CH <sub>2</sub> tBu) <sub>3</sub> ] and [Cp*TaMe <sub>4</sub> ] on Silica Partially Dehydroxylated at 700 °C and the Activity of the Grafted Complexes toward Alkane Metathesis. <i>Journal of the American Chemical Society</i> , 2004, 126, 13391-13399.	13.7	136
5	Molecular Understanding of the Formation of Surface Zirconium Hydrides upon Thermal Treatment under Hydrogen of [( <sup>13</sup> C)SiO]Zr(CH <sub>2</sub> tBu) <sub>3</sub> by Using Advanced Solid-State NMR Techniques. <i>Journal of the American Chemical Society</i> , 2004, 126, 12541-12550.	13.7	127
6	Perhydrocarbyl Re(VII) Complexes: Comparison of Molecular and Surface Complexes. <i>Journal of the American Chemical Society</i> , 2003, 125, 492-504.	13.7	116
7	<sup>17</sup> O NMR Gives Unprecedented Insights into the Structure of Supported Catalysts and Their Interaction with the Silica Carrier. <i>Journal of the American Chemical Society</i> , 2012, 134, 9263-9275.	13.7	93
8	Tantalum Hydrides Supported on MCM-41 Mesoporous Silica: Activation of Methane and Thermal Evolution of the Tantalum-Methyl Species. <i>Organometallics</i> , 2006, 25, 1569-1577.	2.3	87
9	Well-Defined Surface Tungstenocarbene Complexes through the Reaction of [W( <sup>13</sup> CtBu)(CH <sub>2</sub> tBu) <sub>3</sub> ] with Silica. <i>Organometallics</i> , 2005, 24, 4274-4279.	2.3	79
10	Well-Defined Surface Imido Amido Tantalum(V) Species from Ammonia and Silica-Supported Tantalum Hydrides. <i>Journal of the American Chemical Society</i> , 2007, 129, 176-186.	13.7	79
11	Characterization of Surface Organometallic Complexes Using High Resolution 2D Solid-State NMR Spectroscopy. Application to the Full Characterization of a Silica Supported Metal Carbene: ( <sup>13</sup> C)SiO <sub>2</sub> -Mo( <sup>13</sup> CtBu-t)(CH <sub>2</sub> tBu-t) <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2001, 123, 3820-3821.	13.7	72
12	CH <sub>3</sub> ReO <sub>3</sub> on <sup>13</sup> -Al <sub>2</sub> O <sub>3</sub> : Understanding Its Structure, Initiation, and Reactivity in Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3870-3873.	13.8	72
13	Synthesis and characterization of ionic liquids based upon 1-butyl-2,3-dimethylimidazolium chloride/ZnCl <sub>2</sub> . <i>New Journal of Chemistry</i> , 2005, 29, 700.	2.8	62
14	Silica-Alumina-Supported, Tungsten-Based Heterogeneous Alkane Metathesis Catalyst: Is it Closer to a Silica- or an Alumina-Supported System?. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 231-237.	4.3	61
15	CH <sub>3</sub> -ReO <sub>3</sub> on <sup>13</sup> -Al <sub>2</sub> O <sub>3</sub> : Activity, selectivity, active site and deactivation in olefin metathesis. <i>Journal of Catalysis</i> , 2008, 253, 180-190.	6.2	51
16	A well-defined silica-supported aluminium alkyl through an unprecedented, consecutive two-step protonolysis-alkyl transfer mechanism. <i>Chemical Communications</i> , 2011, 47, 2979.	4.1	51
17	Controlled Interactions between Anhydrous Keggin-Type Heteropolyacids and Silica Support: Preparation and Characterization of Well-Defined Silica-Supported Polyoxometalate Species. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19024-19034.	3.1	50
18	Heteronuclear NMR Correlations To Probe the Local Structure of Catalytically Active Surface Aluminum Hydride Species on <sup>13</sup> C-Alumina. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9854-9858.	13.8	47

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19	Synthesis, Characterization, and Activity in Ethylene Polymerization of Silica Supported Cationic Cyclopentadienyl Zirconium Complexes. <i>Journal of the American Chemical Society</i> , 2006, 128, 9361-9370.	13.7	46
20	Understanding the reactivity of [W <sup>+</sup> NAr(CH <sub>2</sub> tBu) <sub>2</sub> (CHtBu)] (Ar=2,6-iPrC <sub>6</sub> H <sub>3</sub> ) with silica partially dehydroxylated at low temperatures through a combined use of molecular and surface organometallic chemistry. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 5448-5455.	1.8	42
21	Tuning the Selectivity of Alumina-Supported (CH <sub>3</sub> ) <sub>3</sub> ReO <sub>3</sub> by Modifying the Surface Properties of the Support. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2117-2120.	13.8	41
22	Interdiffusion/reaction at the polymer/polymer interface in multilayer systems probed by linear viscoelasticity coupled to FTIR and NMR measurements. <i>European Polymer Journal</i> , 2010, 46, 1604-1622.	5.4	39
23	Development of a well-defined silica-supported tungstenocarbonyl complex as efficient heterogeneous catalyst for alkyne metathesis. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 1733-1737.	1.8	34
24	Surface Organometallic Chemistry of Titanium on Silica-Alumina and Catalytic Hydrogenolysis of Waxes at Low Temperature. <i>Organometallics</i> , 2009, 28, 5647-5655.	2.3	31
25	Supported cationic complexes: selective preparation and characterization of the well-defined electrophilic metallocenium cation [iPr <sub>3</sub> SiO-B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> ] <sup>+</sup> [Cp*ZrMe <sub>2</sub> (Et <sub>2</sub> NPh)] <sup>+</sup> supported on silica. <i>Chemical Communications</i> , 2003, , 2034-2035.	4.1	30
26	Surface Organometallic Chemistry of Hf(CH <sub>2</sub> ) <sub>2</sub> (iBu) <sub>4</sub> on Silica and Silica-Alumina: Reaction of the Resulting Grafted Hafnium Neopentyl with Dihydrogen. <i>Organometallics</i> , 2010, 29, 1312-1322.	2.3	30
27	Reactivity of Silica-Supported Hafnium Tris-neopentyl with Dihydrogen: Formation and Characterization of Silica Surface Hafnium Hydrides and Alkyl Hydride. <i>Organometallics</i> , 2007, 26, 4118-4127.	2.3	26
28	Grafting Reaction of Platinum Organometallic Complexes on Silica-Supported or Unsupported Heteropolyacids. <i>Organometallics</i> , 2011, 30, 1783-1793.	2.3	26
29	Mononuclear Ruthenium Hydride Species versus Ruthenium Nanoparticles: The Effect of Silane Functionalities on Silica Surfaces. <i>Chemistry - A European Journal</i> , 2008, 14, 3523-3526.	3.3	21
30	On-Demand Cyclophanes: Substituent-Directed Self-Assembling, Folding, and Binding. <i>Journal of Organic Chemistry</i> , 2016, 81, 654-661.	3.2	18
31	Characterization of Surface Hydride Hafnium Complexes on Alumina by a Combination of Experiments and DFT Calculations. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6757-6763.	3.1	15
32	Synthesis and characterisation of O-6-alkylthio- and perfluoroalkylpropanethio- $\beta$ -cyclodextrins and their O-2-, O-3-methylated analogues. <i>New Journal of Chemistry</i> , 2007, 31, 1899.	2.8	12
33	Heterolytic cleavage of ammonia N-H bond by bifunctional activation in silica-grafted single site Ta(V) imido amido surface complex. Importance of the outer sphere NH <sub>3</sub> assistance. <i>New Journal of Chemistry</i> , 2011, 35, 1011.	2.8	11
34	The hydrolysis of epoxides catalyzed by inorganic ammonium salts in water: kinetic evidence for hydrogen bond catalysis. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1583-1590.	2.8	11
35	Preparation of Single Site Catalysts on Oxides and Metals Prepared via Surface Organometallic Chemistry. , 0, , 23-73.		8
36	Synthesis and Biological Evaluation of Benzo[b]thiophene Acylhydrazones as Antimicrobial Agents against Multidrug-Resistant Staphylococcus aureus. <i>Biomolecules</i> , 2022, 12, 131.	4.0	6

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37	One-pot direct synthesis for multifunctional ultrasmall hybrid silica nanoparticles. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4821-4834.	5.8	4
38	Synthesis, characterization and hydrolysis of poly[styrene-co- (6-methylene-1,4-oxathiepane-7-one)] and poly[styrene-co- (6-methylene-5-methyl-1,4-oxathiepane-7-one)]. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 2577-2582.	2.2	3
39	Caryatin and 3-O-methylcaryatin contents in edible yams ( <i>Dioscorea</i> spp.). <i>Journal of Food Composition and Analysis</i> , 2021, 102, 104010.	3.9	2