

Nicolas MÃ©zailles

List of Publications by Year in descending order

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82
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109137

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times ranked

4335
citing authors

#	ARTICLE	IF	CITATIONS
1	Alkene oligomerization via metallacycles: Recent advances and mechanistic insights. <i>Coordination Chemistry Reviews</i> , 2022, 450, 214227.	9.5	23
2	Synthesis of Monodisperse InP Quantum Dots: Use of an Acid-Free Indium Carboxylate Precursor. <i>Inorganic Chemistry</i> , 2021, 60, 2271-2278.	1.9	7
3	Double σ , π CH bond insertion into sp^3 CH_2 moiety: synthesis of a Fe carbene bis-hydride dinitrogen complex. <i>Dalton Transactions</i> , 2021, 50, 9554-9559.	1.6	3
4	Reactivity and Structure of Complexes of Small Molecules: Dinitrogen. , 2021, , 875-958.		5
5	Conversion of Dinitrogen into Nitrile: Cross-Metathesis of N_2 -Derived Molybdenum Nitride with Alkynes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12242-12247.	7.2	37
6	Aluminum-Hydride-Catalyzed Hydroboration of Carbon Dioxide. <i>Inorganic Chemistry</i> , 2021, 60, 4569-4577.	1.9	25
7	Conversion of Dinitrogen into Nitrile: Cross-Metathesis of N_2 -Derived Molybdenum Nitride with Alkynes. <i>Angewandte Chemie</i> , 2021, 133, 12350-12355.	1.6	10
8	Frontispiece: Conversion of Dinitrogen into Nitrile: Cross-Metathesis of N_2 -Derived Molybdenum Nitride with Alkynes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, .	7.2	0
9	Frontispiz: Conversion of Dinitrogen into Nitrile: Cross-Metathesis of N_2 -Derived Molybdenum Nitride with Alkynes. <i>Angewandte Chemie</i> , 2021, 133, .	1.6	0
10	Catalytic Reduction of N_2 to Borylamine at a Molybdenum Complex. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20210-20214.	7.2	25
11	Catalytic Reduction of N_2 to Borylamine at a Molybdenum Complex. <i>Angewandte Chemie</i> , 2021, 133, 20372-20376.	1.6	9
12	Cross-Coupling through Ag(I)/Ag(III) Redox Manifold. <i>Chemistry - A European Journal</i> , 2021, 27, 15396-15405.	1.7	11
13	Synthesis of $L_2Ni(OR^F)_2$ ($R^F =$) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 26 <i>Organometallics</i> , 2021, 40, 4133-4142.	1.1	3
14	$[(dcp)Ni(\eta^2\text{-Arene})]$ Precursors: Synthesis, Reactivity, and Catalytic Application to the Suzuki-Miyaura Reaction. <i>Organometallics</i> , 2020, 39, 1688-1699.	1.1	9
15	Stepwise Functionalization of N_2 at Mo: Nitrido to Imido to Amido – Factors Favoring Amine Elimination from the Amido Complex. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1499-1505.	1.0	12
16	Nanoscale Metal Phosphide Phase Segregation to Bi/P Core/Shell Structure. Reactivity as a Source of Elemental Phosphorus. <i>Chemistry of Materials</i> , 2020, 32, 4213-4222.	3.2	6
17	Bimetallic Phosphide $(Ni,Cu)_2P$ Nanoparticles by Inward Phosphorus Migration and Outward Copper Migration. <i>Chemistry of Materials</i> , 2019, 31, 6124-6134.	3.2	20
18	Geminal Dianions Stabilized by Main Group Elements. <i>Chemical Reviews</i> , 2019, 119, 8555-8700.	23.0	48

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19	Simplified and versatile access to low valent Ni complexes by metal-free reduction of Ni ^{II} precursors. Dalton Transactions, 2019, 48, 4101-4104.	1.6	5
20	Synthesis and Reactivity of an Endo-cyclo ⁴ Iron Complex. Angewandte Chemie, 2018, 130, 1892-1896.	1.6	19
21	Synthesis and Reactivity of an Endo-cyclo ⁴ Iron Complex. Angewandte Chemie - International Edition, 2018, 57, 1874-1878.	7.2	41
22	Triphos ^{Fe} dinitrogen and dinitrogen ^{hydride} complexes: relevance to catalytic N ₂ reductions. Chemical Communications, 2018, 54, 11953-11956.	2.2	28
23	Room-Temperature Functionalization of N ₂ to Borylamine at a Molybdenum Complex. Angewandte Chemie, 2018, 130, 13047-13050.	1.6	15
24	Room-Temperature Functionalization of N ₂ to Borylamine at a Molybdenum Complex. Angewandte Chemie - International Edition, 2018, 57, 12865-12868.	7.2	39
25	Mechanistic Investigations of the Synthesis of Size-Tunable Ni Nanoparticles by Reduction of Simple Ni ^{II} Diamide Precursors. Chemistry - A European Journal, 2017, 23, 9352-9361.	1.7	2
26	C-H Bond Trifluoromethylation of Arenes Enabled by a Robust, High-Valent Nickel(IV) Complex. Angewandte Chemie, 2017, 129, 13078-13082.	1.6	51
27	A Nucleophilic Gold(III) Carbene Complex. Angewandte Chemie, 2017, 129, 12432-12435.	1.6	13
28	C-H Bond Trifluoromethylation of Arenes Enabled by a Robust, High-Valent Nickel(IV) Complex. Angewandte Chemie - International Edition, 2017, 56, 12898-12902.	7.2	68
29	A Nucleophilic Gold(III) Carbene Complex. Angewandte Chemie - International Edition, 2017, 56, 12264-12267.	7.2	43
30	Direct Synthesis of Silylamine from N ₂ and a Silane: Mediated by a Tridentate Phosphine Molybdenum Fragment. Angewandte Chemie, 2016, 128, 11378-11382.	1.6	37
31	BH ₃ Activation by Phosphorus-Stabilized Geminal Dianions: Synthesis of Ambiphilic Organoborane, DFT Studies, and Catalytic CO ₂ Reduction into Methanol Derivatives. ACS Catalysis, 2016, 6, 3030-3035.	5.5	28
32	Direct Synthesis of Silylamine from N ₂ and a Silane: Mediated by a Tridentate Phosphine Molybdenum Fragment. Angewandte Chemie - International Edition, 2016, 55, 11212-11216.	7.2	91
33	Mechanistic Insight and Optimization of InP Nanocrystals Synthesized with Aminophosphines. Chemistry of Materials, 2016, 28, 5925-5934.	3.2	93
34	The role of water in the synthesis of indium nanoparticles. Chemical Communications, 2016, 52, 14250-14253.	2.2	5
35	P ₄ functionalization by hydrides: direct synthesis of P-H bonds. Chemical Communications, 2016, 52, 5179-5182.	2.2	25
36	Reactivity of Aromatic Phosphorus Heterocycles - Differences Between Nonfunctionalized and Pyridyl-Substituted 2,4,6-Triarylphosphinines. European Journal of Inorganic Chemistry, 2015, 2015, 240-249.	1.0	13

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37	Tridentate Aryloxy-Based Titanium Catalysts towards Ethylene Oligomerization and Polymerization. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5272-5280.	1.0	8
38	Scandium Carbene Complexes: Synthesis of Mixed Alkyl, Amido, and Phosphido Derivatives. <i>Organometallics</i> , 2015, 34, 63-72.	1.1	22
39	âœ(Diphosphine)Nickelâ€Catalyzed Negishi Crossâ€Coupling: An Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , 2015, 21, 7690-7694.	1.7	23
40	N ₂ Reduction into Silylamine at Tridentate Phosphine/Mo Center: Catalysis and Mechanistic Study. <i>ACS Catalysis</i> , 2015, 5, 6902-6906.	5.5	79
41	Formation of a zwitterionic boronium species from the reaction of a stable carbenoid with borane: CO ₂ reduction. <i>Chemical Communications</i> , 2015, 51, 2107-2110.	2.2	43
42	Stable Geminal Dianions as Precursors for Gem-Diorganometallic and Carbene Complexes. <i>Topics in Organometallic Chemistry</i> , 2014, , 63-127.	0.7	22
43	25th Anniversary Article: Exploring Nanoscaled Matter from Speciation to Phase Diagrams: Metal Phosphide Nanoparticles as a Case of Study. <i>Advanced Materials</i> , 2014, 26, 371-390.	11.1	55
44	Phosphorusâ€Stabilized Titanium Carbene Complexes: Synthesis, Reactivity and DFT Studies. <i>Chemistry - A European Journal</i> , 2014, 20, 16995-17003.	1.7	16
45	Catalytic Dinitrogen Reduction at the Molybdenum Center Promoted by a Bulky Tetradentate Phosphine Ligand. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14206-14210.	7.2	70
46	CO Activation by (Diphosphane)platinum(0): Carbonate and Acetone Formation - Experimental and Mechanistic Study. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4000-4007.	1.0	2
47	Nanoscaled Metal Borides and Phosphides: Recent Developments and Perspectives. <i>Chemical Reviews</i> , 2013, 113, 7981-8065.	23.0	877
48	Activation of Xâ€H Bonds (X = N, P, O, S) with SCS Pincer Palladium Complexes: A Theoretical Study. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4068-4076.	1.0	16
49	Facile Bâ€H Bond Activation of Borane by Stable Carbenoid Species. <i>Journal of the American Chemical Society</i> , 2013, 135, 8774-8777.	6.6	45
50	Synthesis of Phosphorus(V)-Stabilized Geminal Dianions. The Cases of Mixed Pâ•X/Pâ†BH ₃ (X = S, O) and Pâ•S/SiMe ₃ Derivatives. <i>Organometallics</i> , 2013, 32, 498-508.	1.1	27
51	Mixed (Pî¼S/Pî¼O)â€Stabilized Geminal Dianion: Facile Diastereoselective Intramolecular Cî¼H Activations by a Related Rutheniumâ€Carbene Complex. <i>Chemistry - A European Journal</i> , 2012, 18, 16136-16144.	1.7	36
52	Revisiting the Molecular Roots of a Ubiquitously Successful Synthesis: Nickel(0) Nanoparticles by Reduction of [Ni(acetylacetonate) ₂]. <i>Chemistry - A European Journal</i> , 2012, 18, 14165-14173.	1.7	43
53	Transmetalation of a nucleophilic carbene fragment: from early to late transition metals. <i>Chemical Communications</i> , 2012, 48, 3306.	2.2	31
54	Rhodium (Thiophosphinoyl)(trimethylsilyl)methanide and Bis(thiophosphinoyl)methanide Complexes: Sâ€S vs. Câ€S Coordination. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1453-1461.	1.0	10

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55	Room temperature reversible C-H activation mediated by a Pt(0) center, and stoichiometric biphenyl formation via solvent activation. <i>Chemical Communications</i> , 2012, 48, 8350.	2.2	11
56	Nickel phosphide nanocatalysts for the chemoselective hydrogenation of alkynes. <i>Nano Today</i> , 2012, 7, 21-28.	6.2	120
57	Exploring the Uranyl Organometallic Chemistry: From Single to Double Uranium-Carbon Bonds. <i>Journal of the American Chemical Society</i> , 2011, 133, 6162-6165.	6.6	123
58	Coordination Behavior of the S-C-S Monoanion and O-C-O and S-C-S Dianions toward Coll. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 2540-2546.	1.0	13
59	P ₄ Activation with Pt ⁰ Metal Centers: Selective Formation of a Dinuclear {Pt ₂ (μ_4 -I ₂) ₂ EP ₂ } Complex. <i>Chemistry - A European Journal</i> , 2010, 16, 12064-12068.	1.7	19
60	Bis-Phosphorus(V) Stabilized Carbene Complexes. <i>Letters in Organic Chemistry</i> , 2010, 7, 596-611.	0.2	16
61	Nucleophilic Scandium Carbene Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 13108-13110.	6.6	98
62	Phosphorus stabilized carbene complexes: bisphosphonate dianion synthesis, reactivity and DFT studies of O $\frac{1}{4}$ C $\frac{1}{4}$ O zirconium(iv) complexes. <i>Dalton Transactions</i> , 2010, 39, 492-499.	1.6	14
63	Controlled Design of Size-Tunable Monodisperse Nickel Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 1340-1349.	3.2	235
64	Easy access to uranium nucleophilic carbene complexes. <i>Dalton Transactions</i> , 2010, 39, 2494.	1.6	79
65	White phosphorus and metal nanoparticles: a versatile route to metal phosphide nanoparticles. <i>Chemical Communications</i> , 2010, 46, 5578.	2.2	52
66	A Strained S $\frac{1}{4}$ C $\frac{1}{4}$ S Ir Pincer Complex: Intramolecular C-H Activation of an Aromatic Ring. <i>Organometallics</i> , 2009, 28, 1969-1972.	1.1	15
67	The U-C Double Bond: Synthesis and Study of Uranium Nucleophilic Carbene Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 963-972.	6.6	163
68	Bis-phosphorus stabilised carbene complexes. <i>Dalton Transactions</i> , 2008, , 1957.	1.6	117
69	White phosphorus as single source of CO_2 in the synthesis of nickel phosphide. <i>Chemical Communications</i> , 2008, , 2568.	2.2	70
70	The Coordination Chemistry of Phosphinines: Their Polydentate and Macrocyclic Derivatives. <i>Progress in Inorganic Chemistry</i> , 2007, , 455-550.	3.0	43
71	Experimental and theoretical study of phosphinine sulfides. <i>New Journal of Chemistry</i> , 2007, 31, 1493.	1.4	28
72	From a Stable Dianion to a Stable Carbenoid. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5947-5950.	7.2	72

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73	Phosphorus-Stabilized Geminal Dianions. <i>Organometallics</i> , 2006, 25, 4965-4976.	1.1	108
74	Synthesis, Reactivity, and DFT Studies of Sâ€™Câ€™S Zirconium(IV) Complexes. <i>Organometallics</i> , 2006, 25, 6030-6038.	1.1	78
75	Thulium Alkylidene Complexes:Âˆ Synthesis, X-ray Structures, and Reactivity. <i>Organometallics</i> , 2006, 25, 1329-1332.	1.1	101
76	A new and convenient approach towards bis(iminophosphoranyl)methane ligands and their dicationic, cationic, anionic and dianionic derivatives. <i>New Journal of Chemistry</i> , 2006, 30, 1745-1754.	1.4	65
77	New mono- and bis-carbene samarium complexes: synthesis, X-ray crystal structures and reactivity. <i>Chemical Communications</i> , 2005, , 5178.	2.2	130
78	A Bis(thiophosphinoyl)methylene Ruthenium Carbene Complex:â€™ Synthesis, X-ray Crystal Structure, and DFT Calculations of Its Thermally Promoted Reverse Î±-Hydride Migration Process. <i>Organometallics</i> , 2005, 24, 4838-4841.	1.1	77
79	A Bis(thiophosphinoyl)methanediide Palladium Complex: Coordinated Dianion or Nucleophilic Carbene Complex?. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6382-6385.	7.2	118
80	A Bis(thiophosphinoyl)methanediide Palladium Complex: Coordinated Dianion or Nucleophilic Carbene Complex?. <i>Angewandte Chemie</i> , 2004, 116, 6542-6545.	1.6	27
81	First X-ray Crystal Study and DFT Calculations of Anionic Î» ⁴ -Phosphinines. <i>Organometallics</i> , 2003, 22, 1960-1966.	1.1	38
82	Nickel(II)-Promoted Homocoupling Reaction of 2-(Phosphininyl)halogenozirconocene Complexes:Âˆ A New and Efficient Synthesis of 2,2â€™-Biphosphinines. <i>Journal of Organic Chemistry</i> , 1998, 63, 4826-4828.	1.7	26