Nicolas MÃ©zailles

List of Publications by Year
in descending order

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82	4,404	109321 35	106344 65
papers	citations	h-index	g-index

86	86	86	4335
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Alkene oligomerization via metallacycles: Recent advances and mechanistic insights. Coordination Chemistry Reviews, 2022, 450, 214227.	18.8	23
2	Synthesis of Monodisperse InP Quantum Dots: Use of an Acid-Free Indium Carboxylate Precursor. Inorganic Chemistry, 2021, 60, 2271-2278.	4.0	7
3	Double Î±,Î± CH bond insertion into sp³ CH₂ moiety: synthesis of a Fe carbene bis-hydride dinitrogen complex. Dalton Transactions, 2021, 50, 9554-9559.	3.3	3
4	Reactivity and Structure of Complexes of Small Molecules: Dinitrogen. , 2021, , 875-958.		5
5	Conversion of Dinitrogen into Nitrile: Crossâ€Metathesis of N₂â€Derived Molybdenum Nitride with Alkynes. Angewandte Chemie - International Edition, 2021, 60, 12242-12247.	13.8	37
6	Aluminum-Hydride-Catalyzed Hydroboration of Carbon Dioxide. Inorganic Chemistry, 2021, 60, 4569-4577.	4.0	25
7	Conversion of Dinitrogen into Nitrile: Crossâ€Metathesis of N₂â€Derived Molybdenum Nitride with Alkynes. Angewandte Chemie, 2021, 133, 12350-12355.	2.0	10
8	Frontispiece: Conversion of Dinitrogen into Nitrile: Crossâ€Metathesis of N₂â€Derived Molybdenum Nitride with Alkynes. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
9	Frontispiz: Conversion of Dinitrogen into Nitrile: Crossâ€Metathesis of N₂â€Derived Molybdenum Nitride with Alkynes. Angewandte Chemie, 2021, 133, .	2.0	0
10	Catalytic Reduction of N₂ to Borylamine at a Molybdenum Complex. Angewandte Chemie - International Edition, 2021, 60, 20210-20214.	13.8	25
11	Catalytic Reduction of N 2 to Borylamine at a Molybdenum Complex. Angewandte Chemie, 2021, 133, 20372-20376.	2.0	9
12	Crossâ€Coupling through Ag(I)/Ag(III) Redox Manifold. Chemistry - A European Journal, 2021, 27, 15396-15405.	3.3	11
13	Synthesis of L₂Ni(OR^F)₂ (R^F =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 26 Organometallics, 2021, 40, 4133-4142.	2.3	3
14	[(dcpp)Ni(Î·²-Arene)] Precursors: Synthesis, Reactivity, and Catalytic Application to the Suzukiâ€“Miyaura Reaction. Organometallics, 2020, 39, 1688-1699.	2.3	9
15	Stepwise Functionalization of N₂ at Mo: Nitrido to Imido to Amido â€“ Factors Favoring Amine Elimination from the Amido Complex. European Journal of Inorganic Chemistry, 2020, 2020, 1499-1505.	2.0	12
16	Nanoscale Metal Phosphide Phase Segregation to Bi/P Core/Shell Structure. Reactivity as a Source of Elemental Phosphorus. Chemistry of Materials, 2020, 32, 4213-4222.	6.7	6
17	Bimetallic Phosphide (Ni,Cu)₂P Nanoparticles by Inward Phosphorus Migration and Outward Copper Migration. Chemistry of Materials, 2019, 31, 6124-6134.	6.7	20
18	Geminal Dianions Stabilized by Main Group Elements. Chemical Reviews, 2019, 119, 8555-8700.	47.7	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.	3.3	5
20	Synthesis and Reactivity of an Endâ€Ðeck cycloâ€P₄ Iron Complex. Angewandte Chemie, 2018, 130, 1892-1896.	2.0	19
21	Synthesis and Reactivity of an Endâ€Ðeck cycloâ€P₄ Iron Complex. Angewandte Chemie - International Edition, 2018, 57, 1874-1878.	13.8	41
22	Triphosâ€“Fe dinitrogen and dinitrogenâ€“hydride complexes: relevance to catalytic N₂ reductions. Chemical Communications, 2018, 54, 11953-11956.	4.1	28
23	Roomâ€Temperature Functionalization of N₂ to Borylamine at a Molybdenum Complex. Angewandte Chemie, 2018, 130, 13047-13050.	2.0	15
24	Roomâ€Temperature Functionalization of N₂ to Borylamine at a Molybdenum Complex. Angewandte Chemie - International Edition, 2018, 57, 12865-12868.	13.8	39
25	Mechanistic Investigations of the Synthesis of Sizeâ€Tunable Ni Nanoparticles by Reduction of Simple Ni^{II} Diamide Precursors. Chemistry - A European Journal, 2017, 23, 9352-9361.	3.3	2
26	Câ^'H Bond Trifluoromethylation of Arenes Enabled by a Robust, Highâ€Valent Nickel(IV) Complex. Angewandte Chemie, 2017, 129, 13078-13082.	2.0	51
27	A Nucleophilic Gold(III) Carbene Complex. Angewandte Chemie, 2017, 129, 12432-12435.	2.0	13
28	Câ^'H Bond Trifluoromethylation of Arenes Enabled by a Robust, Highâ€Valent Nickel(IV) Complex. Angewandte Chemie - International Edition, 2017, 56, 12898-12902.	13.8	68
29	A Nucleophilic Gold(III) Carbene Complex. Angewandte Chemie - International Edition, 2017, 56, 12264-12267.	13.8	43
30	Direct Synthesis of Silylamine from N₂ and a Silane: Mediated by a Tridentate Phosphine Molybdenum Fragment. Angewandte Chemie, 2016, 128, 11378-11382.	2.0	37
31	BH₃ Activation by Phosphorus-Stabilized Geminal Dianions: Synthesis of Ambiphilic Organoborane, DFT Studies, and Catalytic CO₂ Reduction into Methanol Derivatives. ACS Catalysis, 2016, 6, 3030-3035.	11.2	28
32	Direct Synthesis of Silylamine from N₂ and a Silane: Mediated by a Tridentate Phosphine Molybdenum Fragment. Angewandte Chemie - International Edition, 2016, 55, 11212-11216.	13.8	91
33	Mechanistic Insight and Optimization of InP Nanocrystals Synthesized with Aminophosphines. Chemistry of Materials, 2016, 28, 5925-5934.	6.7	93
34	The role of water in the synthesis of indium nanoparticles. Chemical Communications, 2016, 52, 14250-14253.	4.1	5
35	P₄functionalization by hydrides: direct synthesis of Pâ€“H bonds. Chemical Communications, 2016, 52, 5179-5182.	4.1	25
36	Reactivity of Aromatic Phosphorus Heterocycles â€“ Differences Between Nonfunctionalized and Pyridylâ€Substituted 2,4,6â€Triarylphosphinines. European Journal of Inorganic Chemistry, 2015, 2015, 240-249.	2.0	13

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37	Tridentate Aryloxy-Based Titanium Catalysts towards Ethylene Oligomerization and Polymerization. European Journal of Inorganic Chemistry, 2015, 2015, 5272-5280.	2.0	8
38	Scandium Carbene Complexes: Synthesis of Mixed Alkyl, Amido, and Phosphido Derivatives. Organometallics, 2015, 34, 63-72.	2.3	22
39	â€œ(Diphosphine)Nickelâ€â€Catalyzed Negishi Crossâ€Coupling: An Experimental and Theoretical Study. Chemistry - A European Journal, 2015, 21, 7690-7694.	3.3	23
40	N₂ Reduction into Silylamine at Tridentate Phosphine/Mo Center: Catalysis and Mechanistic Study. ACS Catalysis, 2015, 5, 6902-6906.	11.2	79
41	Formation of a zwitterionic boronium species from the reaction of a stable carbenoid with borane: CO₂ reduction. Chemical Communications, 2015, 51, 2107-2110.	4.1	43
42	Stable Geminal Dianions as Precursors for Gem-Diorganometallic and Carbene Complexes. Topics in Organometallic Chemistry, 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. Advanced Materials, 2014, 26, 371-390.	21.0	55
44	Phosphorusâ€Stabilized Titanium Carbene Complexes: Synthesis, Reactivity and DFT Studies. Chemistry - A European Journal, 2014, 20, 16995-17003.	3.3	16
45	Catalytic Dinitrogen Reduction at the Molybdenum Center Promoted by a Bulky Tetradentate Phosphine Ligand. Angewandte Chemie - International Edition, 2014, 53, 14206-14210.	13.8	70
46	CO Activation by (Diphosphane)platinum(0): Carbonate and Acetone Formation - Experimental and Mechanistic Study. European Journal of Inorganic Chemistry, 2013, 2013, 4000-4007.	2.0	2
47	Nanoscaled Metal Borides and Phosphides: Recent Developments and Perspectives. Chemical Reviews, 2013, 113, 7981-8065.	47.7	877
48	Activation of Xâ€“H Bonds (X = N, P, O, S) with SCS Pincer Palladium Complexes: A Theoretical Study. European Journal of Inorganic Chemistry, 2013, 2013, 4068-4076.	2.0	16
49	Facile Bâ€“H Bond Activation of Borane by Stable Carbenoid Species. Journal of the American Chemical Society, 2013, 135, 8774-8777.	13.7	45
50	Synthesis of Phosphorus(V)-Stabilized Geminal Dianions. The Cases of Mixed Pâ•X/Pâ†'BH3(X = S, O) and Pâ•S/SiMe3Derivatives. Organometallics, 2013, 32, 498-508.	2.3	27
51	Mixed (Pï£¾S/Pï£¾O)â€Stabilized Geminal Dianion: Facile Diastereoselective Intramolecular Cï£¿H Activations by a Related Rutheniumâ€“Carbene Complex. Chemistry - A European Journal, 2012, 18, 16136-16144.	3.3	36
52	Revisiting the Molecular Roots of a Ubiquitously Successful Synthesis: Nickel(0) Nanoparticles by Reduction of [Ni(acetylacetonate)₂]. Chemistry - A European Journal, 2012, 18, 14165-14173.	3.3	43
53	Transmetalation of a nucleophilic carbene fragment: from early to late transition metals. Chemical Communications, 2012, 48, 3306.	4.1	31
54	Rhodium (Thiophosphinoyl)(trimethylsilyl)methanide and Bis(thiophosphinoyl)methanide Complexes: S–S vs. C–S Coordination. European Journal of Inorganic Chemistry, 2012, 2012, 1453-1461.	2.0	10

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55	Room temperature reversible Câ€“H activation mediated by a Pt(0) center, and stoichiometric biphenyl formation via solvent activation. Chemical Communications, 2012, 48, 8350.	4.1	11
56	Nickel phosphide nanocatalysts for the chemoselective hydrogenation of alkynes. Nano Today, 2012, 7, 21-28.	11.9	120
57	Exploring the Uranyl Organometallic Chemistry: From Single to Double Uraniumâ^'Carbon Bonds. Journal of the American Chemical Society, 2011, 133, 6162-6165.	13.7	123
58	Coordination Behavior of the S-C-S Monoanion and O-C-O and S-C-S Dianions toward CoII. European Journal of Inorganic Chemistry, 2011, 2011, 2540-2546.	2.0	13
59	P₄ Activation with Pt⁰ Metal Centers: Selective Formation of a Dinuclear {Pt₂(Î¼,Î·^{2:2}â€P₂)} Complex. Chemistry - A European Journal, 2010, 16, 12064-12068.	3.3	19
60	Bis-Phosphorus(V) Stabilized Carbene Complexes. Letters in Organic Chemistry, 2010, 7, 596-611.	0.5	16
61	Nucleophilic Scandium Carbene Complexes. Journal of the American Chemical Society, 2010, 132, 13108-13110.	13.7	98
62	Phosphorus stabilized carbene complexes: bisphosphonate dianion synthesis, reactivity and DFT studies of Oâ^¼Câ^¼O zirconium(iv) complexes. Dalton Transactions, 2010, 39, 492-499.	3.3	14
63	Controlled Design of Size-Tunable Monodisperse Nickel Nanoparticles. Chemistry of Materials, 2010, 22, 1340-1349.	6.7	235
64	Easy access to uranium nucleophilic carbene complexes. Dalton Transactions, 2010, 39, 2494.	3.3	79
65	White phosphorus and metal nanoparticles: a versatile route to metal phosphide nanoparticles. Chemical Communications, 2010, 46, 5578.	4.1	52
66	A Strained Sâ^¼Câ^¼S Ir Pincer Complex: Intramolecular Câ^'H Activation of an Aromatic Ring. Organometallics, 2009, 28, 1969-1972.	2.3	15
67	The Uâ•C Double Bond: Synthesis and Study of Uranium Nucleophilic Carbene Complexes. Journal of the American Chemical Society, 2009, 131, 963-972.	13.7	163
68	Bis-phosphorus stabilised carbene complexes. Dalton Transactions, 2008, , 1957.	3.3	117
69	White phosphorus as single source of â€œPâ€•in the synthesis of nickel phosphide. Chemical Communications, 2008, , 2568.	4.1	70
70	The Coordination Chemistry of Phosphinines: Their Polydentate and Macrocyclic Derivatives. Progress in Inorganic Chemistry, 2007, , 455-550.	3.0	43
71	Experimental and theoretical study of phosphinine sulfides. New Journal of Chemistry, 2007, 31, 1493.	2.8	28
72	From a Stable Dianion to a Stable Carbenoid. Angewandte Chemie - International Edition, 2007, 46, 5947-5950.	13.8	72

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73	Phosphorus-Stabilized Geminal Dianions. Organometallics, 2006, 25, 4965-4976.	2.3	108
74	Synthesis, Reactivity, and DFT Studies of Sâ^'Câ^'S Zirconium(IV) Complexes. Organometallics, 2006, 25, 6030-6038.	2.3	78
75	Thulium Alkylidene Complexes:Â Synthesis, X-ray Structures, and Reactivity. Organometallics, 2006, 25, 1329-1332.	2.3	101
76	A new and convenient approach towards bis(iminophosphoranyl)methane ligands and their dicationic, cationic, anionic and dianionic derivatives. New Journal of Chemistry, 2006, 30, 1745-1754.	2.8	65
77	New mono- and bis-carbene samarium complexes: synthesis, X-ray crystal structures and reactivity. Chemical Communications, 2005, , 5178.	4.1	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. Organometallics, 2005, 24, 4838-4841.	2.3	77
79	A Bis(thiophosphinoyl)methanediide Palladium Complex: Coordinated Dianion or Nucleophilic Carbene Complex?. Angewandte Chemie - International Edition, 2004, 43, 6382-6385.	13.8	118
80	A Bis(thiophosphinoyl)methanediide Palladium Complex: Coordinated Dianion or Nucleophilic Carbene Complex?. Angewandte Chemie, 2004, 116, 6542-6545.	2.0	27
81	First X-ray Crystal Study and DFT Calculations of Anionic Î»4-Phosphinines. Organometallics, 2003, 22, 1960-1966.	2.3	38
82	Nickel(II)-Promoted Homocoupling Reaction of 2-(Phosphininyl)halogenozirconocene Complexes:Â A New and Efficient Synthesis of 2,2â€˜-Biphosphinines. Journal of Organic Chemistry, 1998, 63, 4826-4828.	3.2	26