Abderrahmane Amgoune

List of Publications by Year
in descending order

69 papers	5,235 citations	76196 40 h-index	85405 71 g-index
80 all docs	80 docs citations	80 times ranked	2958 citing authors

#	Article	IF	Citations
1	Ïƒ-Acceptor, Z-type ligands for transition metals. Chemical Communications, 2011, 47, 859-871.	2.2	405
2	Reactivity of Gold Complexes towards Elementary Organometallic Reactions. Angewandte Chemie - International Edition, 2015, 54, 15022-15045.	7.2	277
3	Highly Active, Productive, and Syndiospecific Yttrium Initiators for the Polymerization of Racemic Î²-Butyrolactone. Angewandte Chemie - International Edition, 2006, 45, 2782-2784.	7.2	265
4	Stereoselective ring-opening polymerization of racemic lactide using alkoxy-amino-bis(phenolate) group 3 metal complexes. Chemical Communications, 2004, , 330.	2.2	243
5	Facile Oxidative Addition of Aryl Iodides to Gold(I) by Ligand Design: Bending Turns on Reactivity. Journal of the American Chemical Society, 2014, 136, 14654-14657.	6.6	234
6	Rational development of catalytic Au(I)/Au(III) arylation involving mild oxidative addition of aryl halides. Nature Communications, 2017, 8, 565.	5.8	199
7	Yttrium Complexes as Catalysts for Living and Immortal Polymerization of Lactide to Highly Heterotactic PLA. Macromolecular Rapid Communications, 2007, 28, 693-697.	2.0	186
8	Ring-Opening Polymerization with Zn(C₆F₅)₂-Based Lewis Pairs: Original and Efficient Approach to Cyclic Polyesters. Journal of the American Chemical Society, 2013, 135, 13306-13309.	6.6	165
9	Activation of Aryl Halides at Gold(I): Practical Synthesis of (P,C) Cyclometalated Gold(III) Complexes. Journal of the American Chemical Society, 2014, 136, 1778-1781.	6.6	155
10	Syndiotactic-Enriched Poly(3-hydroxybutyrate)s via Stereoselective Ring-Opening Polymerization of Racemic Î²-Butyrolactone with Discrete Yttrium Catalysts. Macromolecules, 2009, 42, 987-993.	2.2	150
11	Controlled ring-opening polymerization of lactide by group 3 metal complexes. Pure and Applied Chemistry, 2007, 79, 2013-2030.	0.9	142
12	Phosphine-Boranes and Related Ambiphilic Compounds. Advances in Organometallic Chemistry, 2010, , 1-107.	0.5	134
13	Oxidative Addition of Carbonâ€“Carbon Bonds to Gold. Angewandte Chemie - International Edition, 2015, 54, 5236-5240.	7.2	124
14	Goldâ€“Silane and Goldâ€“Stannane Complexes: Saturated Molecules as Ïƒâ€Acceptor Ligands. Angewandte Chemie - International Edition, 2009, 48, 9892-9895.	7.2	119
15	Catalytic Au(<scp>i</scp>)/Au(<scp>iii</scp>) arylation with the hemilabile MeDalphos ligand: unusual selectivity for electron-rich iodoarenes and efficient application to indoles. Chemical Science, 2019, 10, 7183-7192.	3.7	112
16	Enhanced Ïâ€Backdonation from Gold(I): Isolation of Original Carbonyl and Carbene Complexes. Angewandte Chemie - International Edition, 2014, 53, 14512-14516.	7.2	101
17	Gold(I)/Gold(III) Catalysis that Merges Oxidative Addition and Ïâ€Alkene Activation. Angewandte Chemie - International Edition, 2020, 59, 16625-16630.	7.2	90
18	Cationic Gold(III) Alkyl Complexes: Generation, Trapping, and Insertion of Norbornene. Angewandte Chemie - International Edition, 2015, 54, 1266-1269.	7.2	85

#	Article	IF	Citations
19	An Aluminum Complex Supported by a Fluorous Diamino-Dialkoxide Ligand for the Highly Productive Ring-Opening Polymerization of Îµ-Caprolactone. Organometallics, 2005, 24, 6279-6282.	1.1	75
20	Evidence for genuine hydrogen bonding in gold(I) complexes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 46-51.	3.3	73
21	Spontaneous Oxidative Addition of Ïƒâ€Sïï£¿Si Bonds at Gold. Angewandte Chemie - International Edition, 2011, 50, 8320-8324.	7.2	72
22	Experimental and Theoretical Evidence for an Agostic Interaction in a Gold(III) Complex. Angewandte Chemie - International Edition, 2016, 55, 3414-3418.	7.2	68
23	A dual organic/organometallic approach for catalytic ring-opening polymerization. Chemical Communications, 2011, 47, 9828.	2.2	66
24	Hypervalent Silicon Compounds by Coordination of Diphosphineâ€“Silanes to Gold. Chemistry - A European Journal, 2010, 16, 10808-10817.	1.7	64
25	Î²-Hydride Elimination at Low-Coordinate Gold(III) Centers. Journal of the American Chemical Society, 2016, 138, 11920-11929.	6.6	63
26	Bis[bis(oxazolinato)] Complexes of Yttrium and Lanthanum: Molecular Structure and Use in Polymerization ofdl-Lactide anddl-Î²-Butyrolactone. European Journal of Inorganic Chemistry, 2006, 2006, 3652-3658.	1.0	61
27	A Crystalline Ïƒ Complex of Copper. Journal of the American Chemical Society, 2011, 133, 4257-4259.	6.6	60
28	Y-Shaped mPEG-PLA Cabazitaxel Conjugates: Well-Controlled Synthesis by Organocatalytic Approach and Self-Assembly into Interface Drug-Loaded Coreâ€“Corona Nanoparticles. Biomacromolecules, 2013, 14, 1189-1198.	2.6	57
29	Gold(<scp>iii</scp>)â€“arene complexes by insertion of olefins into goldâ€“aryl bonds. Chemical Science, 2017, 8, 4539-4545.	3.7	56
30	Direct syn Insertion of Alkynes and Allenes into Auï£¿Si Bonds. Angewandte Chemie - International Edition, 2013, 52, 7160-7163.	7.2	55
31	Activation of a Ïƒ-SnSn Bond at Copper, Followed by Double Addition to an Alkyne. Journal of the American Chemical Society, 2013, 135, 13827-13834.	6.6	51
32	Dual catalysis: new approaches for the polymerization of lactones and polar olefins. Dalton Transactions, 2013, 42, 9024.	1.6	50
33	Direct Evidence for Intermolecular Oxidative Addition of Ïƒ(Sïï£¿Si) Bonds to Gold. Angewandte Chemie - International Edition, 2014, 53, 747-751.	7.2	49
34	Coordination of Phosphinoboranes R₂PB(C₆F₅)₂ to Platinum: An Alkene-Type Behavior. Journal of the American Chemical Society, 2012, 134, 6560-6563.	6.6	46
35	Mechanisms of syn-Insertion of Alkynes and Allenes into Goldâ€“Silicon Bonds: A Comprehensive Experimental/Theoretical Study. Journal of the American Chemical Society, 2014, 136, 10373-10382.	6.6	46
36	(P,C) Cyclometalated Gold(III) Complexes: Highly Active Catalysts for the Hydroarylation of Alkynes. Angewandte Chemie - International Edition, 2018, 57, 11732-11736.	7.2	46

#	Article	IF	Citations
37	A Nucleophilic Gold(III) Carbene Complex. Angewandte Chemie - International Edition, 2017, 56, 12264-12267.	7.2	43
38	Isolation of a Reactive Tricoordinate Î±â€Oxo Gold Carbene Complex. Angewandte Chemie - International Edition, 2018, 57, 1306-1310.	7.2	40
39	Gold-Mediated Insertion of Oxygen into Siliconâ€“Silicon Bond: An Original Au(I)/Au(III) Redox Sequence. Organometallics, 2012, 31, 6001-6004.	1.1	39
40	Ï€ Complexes of P^P and P^N chelated gold(<scp>i</scp>). Chemical Communications, 2019, 55, 7974-7977.	2.2	38
41	Cyclometalated gold(<scp>iii</scp>) complexes: noticeable differences between (N,C) and (P,C) ligands in migratory insertion. Chemical Science, 2018, 9, 3932-3940.	3.7	36
42	Silyl Radical Mediated Cross-Electrophile Coupling of N-Acyl-imides with Alkyl Bromides under Photoredox/Nickel Dual Catalysis. Organic Letters, 2020, 22, 2240-2245.	2.4	36
43	Ïƒ-SiH Complexes of Copper: Experimental Evidence and Computational Analysis. Organometallics, 2013, 32, 898-902.	1.1	35
44	Dative Pâ†'Sn interactions in ortho-phenylene phosphine-stannanes. Comptes Rendus Chimie, 2010, 13, 1168-1172.	0.2	31
45	Coordinationâ€“Insertion of Norbornene at Gold: A Mechanistic Study. Organometallics, 2016, 35, 995-1001.	1.1	31
46	Development and Mechanistic Investigations of a Base-Free Suzukiâ€“Miyaura Cross-Coupling of Î±,Î±-Difluoroacetamides via Câ€“N Bond Cleavage. ACS Catalysis, 2020, 10, 2189-2197.	5.5	31
47	Nanoparticle-Supported Molecular Polymerization Catalysts. Macromolecules, 2008, 41, 8388-8396.	2.2	27
48	Coordination of a Triphosphineâ€“Silane to Gold: Formation of a Trigonal Pyramidal Complex Featuring Au⁺â†'Si Interaction. Organometallics, 2015, 34, 1449-1453.	1.1	26
49	Experimental and Theoretical Evidence for an Agostic Interaction in a Gold(III) Complex. Angewandte Chemie, 2016, 128, 3475-3479.	1.6	24
50	Gold(<scp>iii</scp>) Ï€ complexes. Dalton Transactions, 2018, 47, 10388-10393.	1.6	24
51	Reactions of Phosphine-Boranes and Related Frustrated Lewis Pairs with Transition Metal Complexes. Topics in Current Chemistry, 2012, 334, 281-311.	4.0	23
52	Ring-opening polymerization of 3,6-dimethyl-2,5-morpholinedione with discrete amino-alkoxy-bis(phenolate) yttrium initiators: mechanistic insights. Chemical Communications, 2006, , 4509.	2.2	22
53	Palladium TPPTS catalyst in water: C-allylation of phenol and guaiacol with allyl alcohol and novel isomerisation of allyl ethers of phenol and guaiacol. Journal of Molecular Catalysis A, 2006, 244, 124-138.	4.8	22
54	Nickelâ€Catalyzed Monoâ€Selective Î±â€Arylation of Acetone with Aryl Chlorides and Phenol Derivatives. Angewandte Chemie - International Edition, 2020, 59, 18948-18953.	7.2	19

#	Article	IF	Citations
55	Gold(I)/Gold(III) Catalysis that Merges Oxidative Addition and Ï€â€Alkene Activation. Angewandte Chemie, 2020, 132, 16768.	1.6	16
56	Ring-opening polymerization of Îµ-caprolactone catalyzed by ionic hydrogen bond activation with bis-pyridiniums. Journal of Polymer Science Part A, 2016, 54, 3253-3256.	2.5	15
57	Gold-catalyzed bis(stannylation) of propiolates. Organic Chemistry Frontiers, 2016, 3, 856-860.	2.3	13
58	A Nucleophilic Gold(III) Carbene Complex. Angewandte Chemie, 2017, 129, 12432-12435.	1.6	13
59	Isolation of a Reactive Tricoordinate Î±â€Oxo Gold Carbene Complex. Angewandte Chemie, 2018, 130, 1320-1324.	1.6	11
60	Patterning of Polymers on a Substrate via Inkâ€Jet Printing of a Coordination Polymerization Catalyst. Advanced Materials, 2008, 20, 1978-1981.	11.1	10
61	PEGâ€“PLGA copolymers bearing carboxylated side chains: Novel hydrogels with enhanced crosslinking via ionic interactions. Journal of Polymer Science Part A, 2016, 54, 1222-1227.	2.5	10
62	(P,C) Cyclometalated Gold(III) Complexes: Highly Active Catalysts for the Hydroarylation of Alkynes. Angewandte Chemie, 2018, 130, 11906-11910.	1.6	10
63	Microstructurally Controlled Polyisoprene or Polystyrene Diblock Copolymers ofrac-Lactide. Macromolecular Rapid Communications, 2005, 26, 1145-1150.	2.0	9
64	Formation of a peri â€Bridged Phosphonioâ€Naphthalene by Cuâ€Mediated Phosphineâ€“Aryl Coupling. Chemistry - A European Journal, 2018, 24, 11922-11925.	1.7	9
65	C(sp3)â€“H Bond Acylation with N-Acyl Imides under Photoredox/ Nickel Dual Catalysis. Synlett, 2021, 32, 1531-1536.	1.0	9
66	Synthesis, Structure, and Reactivity of an NHC Silyl Gold(I) Complex. Organometallics, 2019, 38, 3494-3497.	1.1	6
67	Cu-Catalyzed Pâ€“C bond formation/cleavage: straightforward synthesis/ring-expansion of strained cyclic phosphoniums. Dalton Transactions, 2020, 49, 13100-13109.	1.6	5
68	Nickelâ€Catalyzed Monoâ€Selective Î±â€Arylation of Acetone with Aryl Chlorides and Phenol Derivatives. Angewandte Chemie, 2020, 132, 19110-19115.	1.6	1
69	From Academia to the Market â€“ Air-stable Ni(ii)/Josiphos Catalysts. Chimia, 2021, 75, 943-947.	0.3	0