

Legrande M Slaughter

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Enantioselective Alkynylbenzaldehyde Cyclizations Catalyzed by Chiral Gold(I) Acyclic Diaminocarbene Complexes Containing Weak Au π -Arene Interactions. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2912-2915.	7.2	226
2	Acyclic Aminocarbenes in Catalysis. <i>ACS Catalysis</i> , 2012, 2, 1802-1816.	5.5	159
3	Radical Autoxidation and Autogenous O ₂ Evolution in Manganese π -Porphyrin Catalyzed Alkane Oxidations with Chlorite. <i>Inorganic Chemistry</i> , 2004, 43, 5198-5204.	1.9	122
4	Inter- and Intramolecular Experimental and Calculated Equilibrium Isotope Effects for (silox) ₂ (tBu ₃ SiND)TiR + RH (silox = tBu ₃ SiO): Δ Inferred Kinetic Isotope Effects for RH/D Addition to Transient (silox) ₂ TiNSitBu ₃ . <i>Journal of the American Chemical Society</i> , 2000, 122, 7953-7975.	6.6	98
5	Symmetry and Geometry Considerations of Atom Transfer: Δ Deoxygenation of (silox) ₃ WNO and R ₃ PO (R) Tj ETQq ₁ 1 0.784314 rgBT 2003, 42, 6204-6224.	1.9	96
6	Modular Chelated Palladium Diaminocarbene Complexes: Δ Synthesis, Characterization, and Optimization of Catalytic Suzuki π -Miyaura Cross-Coupling Activity by Ligand Modification. <i>Organometallics</i> , 2006, 25, 491-505.	1.1	89
7	An Unusually Static, Sterically Hindered Silver Bis(N-heterocyclic carbene) Complex and Its Use in Transmetalation. <i>Organometallics</i> , 2004, 23, 5881-5884.	1.1	84
8	A palladium Chugaev carbene complex as a modular, air-stable catalyst for Suzuki π -Miyaura cross-coupling reactions. <i>Tetrahedron Letters</i> , 2005, 46, 1399-1403.	0.7	71
9	One-step assembly of a chiral palladium bis(acyclic diaminocarbene) complex and its unexpected oxidation to a bis(amidine) complex. <i>Chemical Communications</i> , 2007, , 3294.	2.2	66
10	Chiral Palladium Bis(acyclic diaminocarbene) Complexes as Enantioselective Catalysts for the Aza-Claisen Rearrangement. <i>Organometallics</i> , 2008, 27, 21-24.	1.1	64
11	Interplay of Metallophilic Interactions, π - π Stacking, and Ligand Substituent Effects in the Structures and Luminescence Properties of Neutral Pt ^{<sup>II</sup>} and Pd ^{<sup>II</sup>} Aryl Isocyanide Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 10728-10746.	1.9	63
12	Δ COVALENT SELF-ASSEMBLY Δ OF ACYCLIC DIAMINOCARBENE LIGANDS AT METAL CENTERS. <i>Comments on Inorganic Chemistry</i> , 2008, 29, 46-72.	3.0	57
13	Deoxygenations of (silox) ₃ WNO and R ₃ PO by (silox) ₃ M (M = V, Ta) and (silox) ₃ NbL (silox = tBu ₃ SiO): Δ Consequences of Electronic Effects. <i>Journal of the American Chemical Society</i> , 2001, 123, 6419-6420.	6.6	51
14	Ti π ($\hat{1}$ / ₄ : $\hat{1}$, $\hat{1}$ -OCMe ₂ CH ₂ PPh ₂) ₃ R π has a cylindrically symmetric triple bond. <i>Chemical Communications</i> , 1997, , 2109-2110.	2.2	46
15	Reversible Chelate Ring Opening of a Sterically Crowded Palladium Bis(acyclic diaminocarbene) Complex. <i>Organometallics</i> , 2008, 27, 1055-1062.	1.1	42
16	Mechanism of Dihydrogen Cleavage by High-Valent Metal Oxo Compounds: Δ Experimental and Computational Studies. <i>Inorganic Chemistry</i> , 2001, 40, 6272-6280.	1.9	37
17	Direct observation of a carbonylation reaction relevant to CO/alkene copolymerization in a methylpalladium carbonyl complex containing a bis(N-heterocyclic carbene) ligand. <i>Dalton Transactions</i> , 2009, , 6930.	1.6	37
18	Sterically controlled formation of monodentate versus chelating carbene ligands from phenylhydrazine. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 6247-6251.	0.8	33

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19	Î²-Lactam-Synthon-Interceded, Facile, One-Pot, Diastereoselective Synthesis of Functionalized Tetra/Octahydroisoquinolone Derivatives. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2697-2704.	1.2	28
20	Decarbonization of an imino-N-heterocyclic carbene ligand via triple benzyl migration from hafnium. <i>Chemical Communications</i> , 2015, 51, 6753-6756.	2.2	26
21	Channeled Polymorphs of <i>cis</i> -M(CNPh) ₂ Cl ₂ (M = Pt, Pd) With Extended Metallophilic Interactions. <i>Crystal Growth and Design</i> , 2009, 9, 1267-1270.	1.4	25
22	Benzo-fused heterocycles and carbocycles by intramolecular S _N Ar and tandem S _N 2 reactions. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 551-557.	1.4	24
23	Palladium complexes of bis(acyclic diaminocarbene) ligands with chiral N-substituents and 8-membered chelate rings. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3297-3305.	0.8	24
24	Simple Silver Salts and Palladium Bis(N-heterocyclic carbene) Complexes As Complementary Catalysts for the Nazarov Cyclization. <i>ACS Catalysis</i> , 2011, 1, 1371-1374.	5.5	23
25	Competing amination and C-H arylation pathways in Pd/xantphos-catalyzed transformations of binaphthyl triflates: switchable routes to chiral amines and helicene derivatives. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8123-8140.	1.5	21
26	Chugaev-type bis(acyclic diaminocarbenes) as a new ligand class for the palladium-catalyzed Mizoroki-Heck reaction. <i>Applied Organometallic Chemistry</i> , 2012, 26, 712-717.	1.7	17
27	Access to 2-Substituted Binaphthyl Monoalcohols via Complementary Nickel-Catalyzed Kumada Coupling Reactions under Mild Conditions: Key Role of a P,O Ligand. <i>Journal of Organic Chemistry</i> , 2013, 78, 5694-5699.	1.7	16
28	Î²-Lactam synthon-interceded diastereoselective synthesis of functionalized octahydroindole-based molecular scaffolds and their <i>in vitro</i> cytotoxic evaluation. <i>European Journal of Medicinal Chemistry</i> , 2012, 58, 513-518.	2.6	15
29	Tetracyclic dihydronaphthalene derivatives via gold-catalyzed aminative homodimerization of ortho-alkynylbenzaldehydes. <i>Chemical Communications</i> , 2016, 52, 14133-14136.	2.2	14
30	Ligand- and Brønsted acid/base-switchable reaction pathways in gold-catalyzed cycloisomerizations of allenic acids. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3936-3949.	1.5	13
31	Divergent reactivity in tandem reduction-Michael ring closures of five- and six-membered cyclic enones. <i>Journal of Heterocyclic Chemistry</i> , 2009, 46, 854-860.	1.4	12
32	Enantiomeric separation of isochromene derivatives by high-performance liquid chromatography using cyclodextrin based stationary phases and principal component analysis of the separation data. <i>Journal of Chromatography A</i> , 2013, 1305, 94-101.	1.8	12
33	Highly Sterically Encumbered Gold Acyclic Diaminocarbene Complexes: Overriding Electronic Control in Regiodivergent Gold Catalysis. <i>Organometallics</i> , 2021, 40, 1416-1433.	1.1	10
34	Catalyst and pressure dependent reductive cyclizations for the diastereoselective synthesis of hexahydropyrrolo[1,2-a]quinoline-5-carboxylic esters. <i>Journal of Heterocyclic Chemistry</i> , 2006, 43, 1505-1511.	1.4	7
35	($\hat{\pm}$)-2,3-dialkyl-1,2,3,4-tetrahydroquinoline-3-carboxylic esters by a tandem reduction-reductive amination reaction. <i>Journal of Heterocyclic Chemistry</i> , 2007, 44, 1051-1057.	1.4	7
36	<i>cis</i> - <i>cis</i> - <i>trans</i> -Bis(acetonitrile-Î²-N)dichloridobis(triphenylphosphine-Î²-P)ruthenium(II) acetonitrile disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m184-m184.	0.2	3

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37	Determination of the interconversion energy barrier of three novel pentahelicene derivative enantiomers by dynamic high resolution liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1051, 60-67.	1.2	3
38	A Palladium Chugaev Carbene Complex as a Modular, Air-Stable Catalyst for Suzuki-Miyaura Cross-Coupling Reactions. <i>ChemInform</i> , 2005, 36, no.	0.1	0
39	trans-Diaquadichloridobis(N,N-dimethylformamide- \hat{p} O)manganese(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m3095-m3095.	0.2	0
40	Back Cover: Enantioselective Alkynylbenzaldehyde Cyclizations Catalyzed by Chiral Gold(I) Acyclic Diaminocarbene Complexes Containing Weak Au-Arene Interactions (<i>Angew. Chem. Int. Ed.</i> 12/2012). <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3028-3028.	7.2	0