Louis Barriault

List of Publications by Year
in descending order

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47 papers	2,108 citations	249298 26 h-index	263392 45 g-index
53 all docs	53 docs citations	53 times ranked	1877 citing authors

#	Article	IF	Citations
1	Direct alkylation of heteroarenes with unactivated bromoalkanes using photoredox gold catalysis. Chemical Science, 2016, 7, 4754-4758.	3.7	174
2	Photoredox Transformations with Dimeric Gold Complexes. Angewandte Chemie - International Edition, 2013, 52, 13342-13345.	7.2	171
3	Hydrogen Atom Transfer Reactions via Photoredox Catalyzed Chlorine Atom Generation. Angewandte Chemie - International Edition, 2018, 57, 15664-15669.	7.2	144
4	Pericyclic domino reactions: concise approaches to natural carbocyclic frameworks. Chemical Society Reviews, 2009, 38, 3092.	18.7	121
5	Indole Functionalization via Photoredox Gold Catalysis. Organic Letters, 2015, 17, 2864-2866.	2.4	102
6	Gold-Catalyzed Synthesis of Carbon-Bridged Medium-Sized Rings. Organic Letters, 2009, 11, 4236-4238.	2.4	100
7	Synthesis of Fused Carbocycles via a Selective 6-Endo Dig Gold(I)-Catalyzed Carbocyclization. Organic Letters, 2011, 13, 5580-5583.	2.4	89
8	Gold-Catalyzed Synthesis of Substituted Tetrahydronaphthalenes. Organic Letters, 2006, 8, 5905-5908.	2.4	79
9	The photochemical alkylation and reduction of heteroarenes. Chemical Science, 2017, 8, 7412-7418.	3.7	77
10	Gold(I)-catalyzed benzannulation of 3-hydroxy-1,5-enynes: an efficient synthesis of substituted tetrahydronaphthalenes and related compounds. Tetrahedron, 2008, 64, 797-808.	1.0	67
11	Total Syntheses of Hyperforin and Papuaforinsâ€…Aâ€“C, and Formal Synthesis of Nemorosone through a Gold(I)â€Catalyzed Carbocyclization. Angewandte Chemie - International Edition, 2014, 53, 6701-6704.	7.2	65
12	Recent advances in mono and binuclear gold photoredox catalysis. Catalysis Science and Technology, 2018, 8, 6019-6028.	2.1	62
13	Polynuclear gold(<scp>i</scp>) complexes in photoredox catalysis: understanding their reactivity through characterization and kinetic analysis. Catalysis Science and Technology, 2016, 6, 201-207.	2.1	51
14	Gold-Catalyzed Photoredox C(sp²) Cyclization: Formal Synthesis of (Â±)-Triptolide. Organic Letters, 2016, 18, 2592-2595.	2.4	48
15	Lightâ€Mediated Deoxygenation of Alcohols with a Dimeric Gold Catalyst. European Journal of Organic Chemistry, 2015, 2015, 81-85.	1.2	44
16	Total Synthesis of (+)-Arteanniun M Using the Tandem Oxy-Cope/Ene Reaction. Organic Letters, 2001, 3, 1925-1927.	2.4	42
17	Highly Diastereoselective Synthesis of Decalin Skeletons with Quaternary Carbon Centers via the Tandem Oxy-Cope/Ene/Claisen Reaction. Organic Letters, 2002, 4, 1371-1374.	2.4	40
18	Highly Stereoselective Hydroxy-Directed Dielsâ€™Alder Reaction. Journal of Organic Chemistry, 2003, 68, 2317-2323.	1.7	40

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19	Homocoupling of Iodoarenes and Bromoalkanes Using Photoredox Gold Catalysis: A Light Enabled Au(III) Reductive Elimination. Organic Letters, 2016, 18, 4308-4311.	2.4	36
20	Transformations of Isonitriles with Bromoalkanes Using Photoredox Gold Catalysis. Journal of Organic Chemistry, 2018, 83, 10015-10024.	1.7	36
21	A 11â€Steps Total Synthesis of Magellanine through a Gold(I)â€Catalyzed Dehydro Dielsâ€“Alder Reaction. Angewandte Chemie - International Edition, 2017, 56, 6280-6283.	7.2	35
22	Persulfate-Enabled Direct Câ€“H Alkylation of Heteroarenes with Unactivated Ethers. Synlett, 2016, 27, 1282-1286.	1.0	34
23	THE CONQUEST OF VINIGROL. CREATIVITY, FRUSTRATIONS, AND HOPE. Organic Preparations and Procedures International, 2007, 39, 311-353.	0.6	30
24	Rapid Assembly of the Bicyclo[5.3.1]undecenone Core of Penostatin F:â€‰ A Successive Dielsâ^'Alder/Claisen Reaction Strategy with an Efficient Stereochemical Relay. Organic Letters, 2004, 6, 1317-1319.	2.4	29
25	Tandem Oxy-Cope/Transannular Ene Reaction of 1,2-Divinylcyclohexanols. Organic Letters, 2000, 2, 663-665.	2.4	28
26	Hydrogen Atom Transfer Reactions via Photoredox Catalyzed Chlorine Atom Generation. Angewandte Chemie, 2018, 130, 15890-15895.	1.6	28
27	The Alkylation and Reduction of Heteroarenes with Alcohols Using Photoredox Catalyzed Hydrogen Atom Transfer via Chlorine Atom Generation. European Journal of Organic Chemistry, 2020, 2020, 1453-1458.	1.2	27
28	Photoredox meets gold Lewis acid catalysis in the alkylative semipinacol rearrangement: a photocatalyst with a dark side. Organic Chemistry Frontiers, 2017, 4, 2092-2096.	2.3	26
29	Modular Total Syntheses of Hyperforin, Papuaforins A, B, and C via Gold(I)-Catalyzed Carbocyclization. Journal of Organic Chemistry, 2018, 83, 7215-7230.	1.7	25
30	One-pot Dielsâ€“Alder cycloaddition/gold(I)-catalyzed 6-endo-dig cyclization for the synthesis of the complex bicyclo[3.3.1]alkenone framework. Beilstein Journal of Organic Chemistry, 2011, 7, 1007-1013.	1.3	24
31	Thieme Chemistry Journals Awardees â€“ Where Are They Now? Whatâ€™s Golden: Recent Advances in Organic Transformations Using Photoredox Gold Catalysis. Synlett, 2017, 28, 289-305.	1.0	24
32	Synthesis and Isolation of Organogold Complexes through a Controlled 1,2â€Silyl Migration. Chemistry - A European Journal, 2015, 21, 9662-9665.	1.7	20
33	Formal Bromine Atom Transfer Radical Addition of Nonactivated Bromoalkanes Using Photoredox Gold Catalysis. Organic Letters, 2020, 22, 8401-8406.	2.4	20
34	Gold(I)-catalyzed formation of bridged and fused carbocycles. Pure and Applied Chemistry, 2013, 85, 1161-1173.	0.9	15
35	A Nine-Step Formal Synthesis of (Â±)-Morphine. Organic Letters, 2019, 21, 1347-1349.	2.4	14
36	Development of New Gold (I)â€Catalyzed Carbocyclizations and their Applications in the Synthesis of Natural Products. Israel Journal of Chemistry, 2018, 58, 511-520.	1.0	12

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37	De Novo Synthesis of (+)-Isofregenedol. Journal of Organic Chemistry, 2008, 73, 7436-7439.	1.7	11
38	Single-Electron Transfer from Dimsyl Anion in the Alkylation of Phenols. Journal of Organic Chemistry, 2020, 85, 2806-2813.	1.7	11
39	A 11â€Steps Total Synthesis of Magellanine through a Gold(I)â€Catalyzed Dehydro Dielsâ€“Alder Reaction. Angewandte Chemie, 2017, 129, 6377-6380.	1.6	9
40	Mechanistic Investigation of the Domino Oxy-Cope/Ene/Claisen Reaction and Its Application to the Synthesis of Desdimethyl Ambliol B. Synthesis, 2012, 44, 1833-1840.	1.2	8
41	Gold(I)-catalyzed domino cyclization for the synthesis of polyaromatic heterocycles. Beilstein Journal of Organic Chemistry, 2013, 9, 2625-2628.	1.3	8
42	Divergent and Modular Synthesis of Terpenoid Scaffolds via a Au^I Catalyzed Oneâ€Pot Cascade. Angewandte Chemie - International Edition, 2022, 61, .	7.2	4
43	Asymmetric Cross-coupling and Mizoroki-Heck Reactions. , 2006, , 185-205.		0
44	Frontispiz: Hydrogen Atom Transfer Reactions via Photoredox Catalyzed Chlorine Atom Generation. Angewandte Chemie, 2018, 130, .	1.6	0
45	Frontispiece: Hydrogen Atom Transfer Reactions via Photoredox Catalyzed Chlorine Atom Generation. Angewandte Chemie - International Edition, 2018, 57, .	7.2	0
46	1.2.4 Gold/Photocatalyst Dual Catalysis. , 2020, , .		0
47	Divergent and Modular Synthesis of Terpenoid Scaffolds via a Au(I) Catalyzed Oneâ€Pot Cascade. Angewandte Chemie, 0, , .	1.6	0