

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	Divergent and Modular Synthesis of Terpenoid Scaffolds via a Au ^I Catalyzed One-Pot Cascade. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	4
2	The Alkylation and Reduction of Heteroarenes with Alcohols Using Photoredox Catalyzed Hydrogen Atom Transfer via Chlorine Atom Generation. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1453-1458.	1.2	27
3	Single-Electron Transfer from Dimsyl Anion in the Alkylation of Phenols. <i>Journal of Organic Chemistry</i> , 2020, 85, 2806-2813.	1.7	11
4	Formal Bromine Atom Transfer Radical Addition of Nonactivated Bromoalkanes Using Photoredox Gold Catalysis. <i>Organic Letters</i> , 2020, 22, 8401-8406.	2.4	20
5	1.2.4 Gold/Photocatalyst Dual Catalysis. , 2020, , .		0
6	A Nine-Step Formal Synthesis of (±)-Morphine. <i>Organic Letters</i> , 2019, 21, 1347-1349.	2.4	14
7	Development of New Gold (I)-Catalyzed Carbocyclizations and their Applications in the Synthesis of Natural Products. <i>Israel Journal of Chemistry</i> , 2018, 58, 511-520.	1.0	12
8	Frontispiz: Hydrogen Atom Transfer Reactions via Photoredox Catalyzed Chlorine Atom Generation. <i>Angewandte Chemie</i> , 2018, 130, .	1.6	0
9	Frontispiece: Hydrogen Atom Transfer Reactions via Photoredox Catalyzed Chlorine Atom Generation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, .	7.2	0
10	Recent advances in mono and binuclear gold photoredox catalysis. <i>Catalysis Science and Technology</i> , 2018, 8, 6019-6028.	2.1	62
11	Hydrogen Atom Transfer Reactions via Photoredox Catalyzed Chlorine Atom Generation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15664-15669.	7.2	144
12	Hydrogen Atom Transfer Reactions via Photoredox Catalyzed Chlorine Atom Generation. <i>Angewandte Chemie</i> , 2018, 130, 15890-15895.	1.6	28
13	Transformations of Isonitriles with Bromoalkanes Using Photoredox Gold Catalysis. <i>Journal of Organic Chemistry</i> , 2018, 83, 10015-10024.	1.7	36
14	Modular Total Syntheses of Hyperforin, Papuaforins A, B, and C via Gold(I)-Catalyzed Carbocyclization. <i>Journal of Organic Chemistry</i> , 2018, 83, 7215-7230.	1.7	25
15	A 11-Steps Total Synthesis of Magellanine through a Gold(I)-Catalyzed Dehydro Diels-Alder Reaction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6280-6283.	7.2	35
16	A 11-Steps Total Synthesis of Magellanine through a Gold(I)-Catalyzed Dehydro Diels-Alder Reaction. <i>Angewandte Chemie</i> , 2017, 129, 6377-6380.	1.6	9
17	The photochemical alkylation and reduction of heteroarenes. <i>Chemical Science</i> , 2017, 8, 7412-7418.	3.7	77
18	Photoredox meets gold Lewis acid catalysis in the alkylative semipinacol rearrangement: a photocatalyst with a dark side. <i>Organic Chemistry Frontiers</i> , 2017, 4, 2092-2096.	2.3	26

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19	Thieme Chemistry Journals Awardees – Where Are They Now? What’s Golden: Recent Advances in Organic Transformations Using Photoredox Gold Catalysis. <i>Synlett</i> , 2017, 28, 289-305.	1.0	24
20	Direct alkylation of heteroarenes with unactivated bromoalkanes using photoredox gold catalysis. <i>Chemical Science</i> , 2016, 7, 4754-4758.	3.7	174
21	Gold-Catalyzed Photoredox C(sp ²) Cyclization: Formal Synthesis of (±)-Triptolide. <i>Organic Letters</i> , 2016, 18, 2592-2595.	2.4	48
22	Homocoupling of Iodoarenes and Bromoalkanes Using Photoredox Gold Catalysis: A Light Enabled Au(III) Reductive Elimination. <i>Organic Letters</i> , 2016, 18, 4308-4311.	2.4	36
23	Persulfate-Enabled Direct C–H Alkylation of Heteroarenes with Unactivated Ethers. <i>Synlett</i> , 2016, 27, 1282-1286.	1.0	34
24	Polynuclear gold complexes in photoredox catalysis: understanding their reactivity through characterization and kinetic analysis. <i>Catalysis Science and Technology</i> , 2016, 6, 201-207.	2.1	51
25	Synthesis and Isolation of Organogold Complexes through a Controlled 1,2-Silyl Migration. <i>Chemistry - A European Journal</i> , 2015, 21, 9662-9665.	1.7	20
26	Indole Functionalization via Photoredox Gold Catalysis. <i>Organic Letters</i> , 2015, 17, 2864-2866.	2.4	102
27	Light-Mediated Deoxygenation of Alcohols with a Dimeric Gold Catalyst. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 81-85.	1.2	44
28	Total Syntheses of Hyperforin and Papuaforins...A, and Formal Synthesis of Nemorosone through a Gold(I)-Catalyzed Carbocyclization. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6701-6704.	7.2	65
29	Photoredox Transformations with Dimeric Gold Complexes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13342-13345.	7.2	171
30	Gold(I)-catalyzed formation of bridged and fused carbocycles. <i>Pure and Applied Chemistry</i> , 2013, 85, 1161-1173.	0.9	15
31	Gold(I)-catalyzed domino cyclization for the synthesis of polyaromatic heterocycles. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2625-2628.	1.3	8
32	Mechanistic Investigation of the Domino Oxy-Cope/Ene/Claisen Reaction and Its Application to the Synthesis of Desdimethyl Ambliol B. <i>Synthesis</i> , 2012, 44, 1833-1840.	1.2	8
33	Synthesis of Fused Carbocycles via a Selective 6-endo Dig Gold(I)-Catalyzed Carbocyclization. <i>Organic Letters</i> , 2011, 13, 5580-5583.	2.4	89
34	One-pot Diels-Alder cycloaddition/gold(I)-catalyzed 6-endo-dig cyclization for the synthesis of the complex bicyclo[3.3.1]alkenone framework. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 1007-1013.	1.3	24
35	Gold-Catalyzed Synthesis of Carbon-Bridged Medium-Sized Rings. <i>Organic Letters</i> , 2009, 11, 4236-4238.	2.4	100
36	Pericyclic domino reactions: concise approaches to natural carbocyclic frameworks. <i>Chemical Society Reviews</i> , 2009, 38, 3092.	18.7	121

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37	Gold(I)-catalyzed benzannulation of 3-hydroxy-1,5-enynes: an efficient synthesis of substituted tetrahydronaphthalenes and related compounds. <i>Tetrahedron</i> , 2008, 64, 797-808.	1.0	67
38	De Novo Synthesis of (+)-Isofregenedol. <i>Journal of Organic Chemistry</i> , 2008, 73, 7436-7439.	1.7	11
39	THE CONQUEST OF VINIGROL. CREATIVITY, FRUSTRATIONS, AND HOPE. <i>Organic Preparations and Procedures International</i> , 2007, 39, 311-353.	0.6	30
40	Gold-Catalyzed Synthesis of Substituted Tetrahydronaphthalenes. <i>Organic Letters</i> , 2006, 8, 5905-5908.	2.4	79
41	Asymmetric Cross-coupling and Mizoroki-Heck Reactions. , 2006, , 185-205.		0
42	Rapid Assembly of the Bicyclo[5.3.1]undecenone Core of Penostatin F: A Successive Diels-Alder/Claisen Reaction Strategy with an Efficient Stereochemical Relay. <i>Organic Letters</i> , 2004, 6, 1317-1319.	2.4	29
43	Highly Stereoselective Hydroxy-Directed Diels-Alder Reaction. <i>Journal of Organic Chemistry</i> , 2003, 68, 2317-2323.	1.7	40
44	Highly Diastereoselective Synthesis of Decalin Skeletons with Quaternary Carbon Centers via the Tandem Oxy-Cope/Ene/Claisen Reaction. <i>Organic Letters</i> , 2002, 4, 1371-1374.	2.4	40
45	Total Synthesis of (+)-Arteannin M Using the Tandem Oxy-Cope/Ene Reaction. <i>Organic Letters</i> , 2001, 3, 1925-1927.	2.4	42
46	Tandem Oxy-Cope/Transannular Ene Reaction of 1,2-Divinylcyclohexanols. <i>Organic Letters</i> , 2000, 2, 663-665.	2.4	28
47	Divergent and Modular Synthesis of Terpenoid Scaffolds via a Au(I) Catalyzed One-Pot Cascade. <i>Angewandte Chemie</i> , 0, , .	1.6	0