

Antonio M Echavarren

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329
papers

24,428
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77
h-index

146
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436
ext. papers

26,364
ext. citations

8.2
avg, IF

7.54
L-index

#	Paper	IF	Citations
329	Gold-catalyzed cycloisomerizations of enynes: a mechanistic perspective. <i>Chemical Reviews</i> , 2008 , 108, 3326-50	68.1	1808
328	Gold(I)-Catalyzed Activation of Alkynes for the Construction of Molecular Complexity. <i>Chemical Reviews</i> , 2015 , 115, 9028-72	68.1	1160
327	Molecular diversity through gold catalysis with alkynes. <i>Chemical Communications</i> , 2007 , 333-46	5.8	764
326	Proton abstraction mechanism for the palladium-catalyzed intramolecular arylation. <i>Journal of the American Chemical Society</i> , 2006 , 128, 1066-7	16.4	643
325	Cationic gold(I) complexes: highly alkynophilic catalysts for the exo- and endo-cyclization of enynes. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 2402-6	16.4	523
324	Palladium-catalyzed coupling of aryl triflates with organostannanes. <i>Journal of the American Chemical Society</i> , 1987 , 109, 5478-5486	16.4	501
323	Proton-abstraction mechanism in the palladium-catalyzed intramolecular arylation: substituent effects. <i>Journal of the American Chemical Society</i> , 2007 , 129, 6880-6	16.4	479
322	Intramolecular [4 + 2] cycloadditions of 1,3-enynes or arylalkynes with alkenes with highly reactive cationic phosphine Au(I) complexes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6178-9	16.4	479
321	Gold-catalyzed rearrangements and beyond. <i>Accounts of Chemical Research</i> , 2014 , 47, 902-12	24.3	431
320	Gold-catalyzed intramolecular reaction of indoles with alkynes: facile formation of eight-membered rings and an unexpected allenylation. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1105-9	16.4	364
319	Intra- and intermolecular reactions of indoles with alkynes catalyzed by gold. <i>Chemistry - A European Journal</i> , 2007 , 13, 1358-73	4.8	355
318	Gold(I)-catalyzed cyclizations of 1,6-enynes: alkoxy cyclizations and exo/endo skeletal rearrangements. <i>Chemistry - A European Journal</i> , 2006 , 12, 1677-93	4.8	329
317	Intriguing mechanistic labyrinths in gold(I) catalysis. <i>Chemical Communications</i> , 2014 , 50, 16-28	5.8	282
316	Cyclizations of enynes catalyzed by PtCl ₂ or other transition metal chlorides: divergent reaction pathways. <i>Journal of the American Chemical Society</i> , 2001 , 123, 10511-20	16.4	277
315	Intramolecular hydroarylation of alkynes catalyzed by platinum or gold: mechanism and endo selectivity. <i>Chemistry - A European Journal</i> , 2005 , 11, 3155-64	4.8	276
314	Ligand Effects in Gold- and Platinum-Catalyzed Cyclization of Enynes: Chiral Gold Complexes for Enantioselective Alkoxy cyclization. <i>Organometallics</i> , 2005 , 24, 1293-1300	3.8	262
313	Non-stabilized transition metal carbenes as intermediates in intramolecular reactions of alkynes with alkenes. <i>Chemical Society Reviews</i> , 2004 , 33, 431-6	58.5	259

312	Divergent mechanisms for the skeletal rearrangement and [2+2] cycloaddition of enynes catalyzed by gold. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6146-8	16.4	259
311	Fullerenes from aromatic precursors by surface-catalysed cyclodehydrogenation. <i>Nature</i> , 2008 , 454, 865-8	50.4	251
310	Cationic eta(1)/eta(2)-gold(I) complexes of simple arenes. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5455-9	16.4	250
309	Intramolecular reactions of alkynes with furans and electron rich arenes catalyzed by PtCl ₂ : the role of platinum carbenes as intermediates. <i>Journal of the American Chemical Society</i> , 2003 , 125, 5757-66	16.4	240
308	Gold carbene or carbenoid: is there a difference?. <i>Chemistry - A European Journal</i> , 2015 , 21, 7332-9	4.8	237
307	A receptor for the enantioselective recognition of phenylalanine and tryptophan under neutral conditions. <i>Journal of the American Chemical Society</i> , 1992 , 114, 1511-1512	16.4	233
306	Unlikelihood of Pd-free gold(I)-catalyzed Sonogashira coupling reactions. <i>Organic Letters</i> , 2010 , 12, 3006-9	4.2	226
305	Reaction of enol ethers with alkynes catalyzed by transition metals: 5-exo-dig versus 6-endo-dig cyclizations via cyclopropyl platinum or gold carbene complexes. <i>Chemistry - A European Journal</i> , 2003 , 9, 2627-35	4.8	221
304	Gold(I)-catalyzed intramolecular [4+2] cycloadditions of arylalkynes or 1,3-enynes with alkenes: scope and mechanism. <i>Journal of the American Chemical Society</i> , 2008 , 130, 269-79	16.4	218
303	Gold(I)-catalyzed intermolecular addition of carbon nucleophiles to 1,5- and 1,6-enynes. <i>Journal of Organic Chemistry</i> , 2008 , 73, 7721-30	4.2	209
302	The mechanistic puzzle of transition-metal-catalyzed skeletal rearrangements of enynes. <i>Chemistry - A European Journal</i> , 2006 , 12, 5916-23	4.8	209
301	Gold(I)-catalyzed intermolecular cyclopropanation of enynes with alkenes: trapping of two different gold carbenes. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6029-32	16.4	203
300	Gold(I)-catalyzed intermolecular [2+2] cycloaddition of alkynes with alkenes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9292-4	16.4	201
299	Cationic Gold(I) Complexes: Highly Alkynophilic Catalysts for the exo- and endo-Cyclization of Enynes. <i>Angewandte Chemie</i> , 2004 , 116, 2456-2460	3.6	196
298	Chiral recognition of aromatic carboxylate anions by an optically active abiotic receptor containing a rigid guanidinium binding subunit. <i>Journal of the American Chemical Society</i> , 1989 , 111, 4994-4995	16.4	195
297	Prins cyclizations in Au-catalyzed reactions of enynes. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5452-5	16.4	189
296	Palladium-catalyzed carbonylative coupling of aryl triflates with organostannanes. <i>Journal of the American Chemical Society</i> , 1988 , 110, 1557-1565	16.4	189
295	The mechanisms of the Stille reaction. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 4704-34	16.4	179

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- 291 Anatomy of gold catalysts: facts and myths. *Organic and Biomolecular Chemistry*, **2015**, 13, 7103-18 3.9 161
- 290 Gold(I)-catalyzed intramolecular cyclopropanation of dienyne. *Chemistry - A European Journal*, **2006**, 12, 1694-702 4.8 152
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272	New annulations via platinum-catalyzed enyne cyclization and cyclopropane cleavage. <i>Organic Letters</i> , 2004 , 6, 3191-4	6.2	95
271	Metal-Catalyzed Carbocyclization by Intramolecular Reaction of Allylsilanes and Allylstannanes with Alkynes. <i>Journal of the American Chemical Society</i> , 2000 , 122, 1221-1222	16.4	95
270	Synthesis of arenes and heteroarenes by hydroarylation reactions catalyzed by electrophilic metal complexes. <i>Pure and Applied Chemistry</i> , 2010 , 82, 801-820	2.1	93
269	Synthesis of the tetracyclic core skeleton of the lundurines by a gold-catalyzed cyclization. <i>Tetrahedron</i> , 2009 , 65, 9015-9020	2.4	93
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266	Gold-catalyzed annulation/fragmentation: formation of free gold carbenes by retro-cyclopropanation. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11881-3	16.4	90
265	Higher Acenes by On-Surface Dehydrogenation: From Heptacene to Undecacene. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10500-10505	16.4	90
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203	Phenylacetylene dimerization promoted by ruthenium(II) complexes. <i>Journal of Organometallic Chemistry</i> , 1991 , 414, 393-400	2.3	46
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