Enrique Gomez-Bengoa

List of Publications by Year
in descending order

103 papers	4,431 citations	101543 36 h-index	114465 63 g-index
142 all docs	142 docs citations	142 times ranked	4252 citing authors

#	Article	IF	Citations
1	Combined Experimental and Theoretical Study on the Reductive Cleavage of Inert Câ€“O Bonds with Silanes: Ruling out a Classical Ni(0)/Ni(II) Catalytic Couple and Evidence for Ni(I) Intermediates. Journal of the American Chemical Society, 2013, 135, 1997-2009.	13.7	358
2	Highly Efficient Asymmetric Michael Addition of Aldehydes to Nitroalkenes Catalyzed by a Simpletrans-4-Hydroxyprolylamide. Angewandte Chemie - International Edition, 2006, 45, 5984-5987.	13.8	218
3	Mechanistic Insights in Gold-Stabilized Nonclassical Carbocations: Gold-Catalyzed Rearrangement of 3-Cyclopropyl Propargylic Acetates. Journal of the American Chemical Society, 2010, 132, 4720-4730.	13.7	162
4	Asymmetric Aza-Henry Reaction Under Phase Transfer Catalysis: An Experimental and Theoretical Study. Journal of the American Chemical Society, 2008, 130, 7955-7966.	13.7	151
5	Chiral 2-Aminobenzimidazoles as Recoverable Organocatalysts for the Addition of 1,3-Dicarbonyl Compounds to Nitroalkenes^{â€}. Journal of Organic Chemistry, 2009, 74, 6163-6168.	3.2	147
6	Phosphazene bases for the preparation of biaryl thioethers from aryl iodides and arenethiols. Tetrahedron Letters, 2000, 41, 1283-1286.	1.4	146
7	Catalytic Enantioselective Conjugate Addition of Carbamates. Journal of the American Chemical Society, 2004, 126, 9188-9189.	13.7	122
8	Enantioselective Construction of Tetrasubstituted Stereogenic Carbons through BrÃ¸nsted Base Catalyzed Michael Reactions: Î±â€²-Hydroxy Enones as Key Enoate Equivalent. Journal of the American Chemical Society, 2014, 136, 17869-17881.	13.7	118
9	Synthesis of isoascididemin, a regioisomer of the marine alkaloid ascididemin. Journal of Organic Chemistry, 1991, 56, 3497-3501.	3.2	100
10	Intramolecular Coupling of Allyl Carboxylates with Allyl Stannanes and Allyl Silanes: A New Type of Reductive Elimination Reaction?. Chemistry - A European Journal, 2002, 8, 3620.	3.3	100
11	Dynamic Kinetic Asymmetric Heck Reaction for the Simultaneous Generation of Central and Axial Chirality. Journal of the American Chemical Society, 2018, 140, 11067-11075.	13.7	98
12	A Dynamic Kinetic Câ€“P Crossâ€“Coupling for the Asymmetric Synthesis of Axially Chiral P,N Ligands. ACS Catalysis, 2016, 6, 3955-3964.	11.2	95
13	Regioâ€•and Enantioselective Direct Oxyamination Reaction of Aldehydes Catalyzed by Î±,Î±â€Diphenylprolinol Trimethylsilyl Ether. Angewandte Chemie - International Edition, 2007, 46, 8054-8056.	13.8	94
14	Michael Reaction of Stabilized Carbon Nucleophiles Catalyzed by [RuH2(PPh3)4]. Journal of the American Chemical Society, 1996, 118, 8553-8565.	13.7	92
15	Investigation of the Scope and Regiochemistry of Alkynylboronate Cycloadditions with Sydnones. Journal of the American Chemical Society, 2009, 131, 7762-7769.	13.7	92
16	Ni-Catalyzed Asymmetric Addition of Grignard Reagents to Unsaturated Cyclic Acetals. The Influence of Added Phosphine on Enantioselectivity. Journal of the American Chemical Society, 1998, 120, 7649-7650.	13.7	88
17	Intermediacy of Niâ€“Ni Species in sp² Câ€“O Bond Cleavage of Aryl Esters: Relevance in Catalytic Câ€“Si Bond Formation. Journal of the American Chemical Society, 2018, 140, 8771-8780.	13.7	85
18	Phosphazene P4-But base for the Ullmann biaryl ether synthesis. Chemical Communications, 1998, , 2091-2092.	4.1	74

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19	Room temperature synthesis of non-isocyanate polyurethanes (NIPUs) using highly reactive N-substituted 8-membered cyclic carbonates. Polymer Chemistry, 2016, 7, 2105-2111.	3.9	71
20	Iron-catalyzed direct Î±-arylation of ethers with azoles. Chemical Communications, 2015, 51, 13365-13368.	4.1	69
21	A Neutral Gold(III)â€“Boron Transmetalation. Organometallics, 2014, 33, 1328-1332.	2.3	68
22	Expeditious diastereoselective synthesis of elaborated ketones via remote Csp3â€“H functionalization. Nature Communications, 2017, 8, 13832.	12.8	68
23	The Participation of Alkynylboronates in Inverse Electron Demand [4 + 2] Cycloadditions:Â A Mechanistic Study. Journal of the American Chemical Society, 2007, 129, 2691-2699.	13.7	62
24	Conjugate Addition of 1,3-Dicarbonyl Compounds to Maleimides Using a Chiral C₂-Symmetric Bis(2-aminobenzimidazole) as Recyclable Organocatalyst. Organic Letters, 2011, 13, 6106-6109.	4.6	55
25	Formation of Î±,Î²-unsaturated carbonyl compounds by palladium-catalyzed oxidation of allylic alcohols. Tetrahedron Letters, 1994, 35, 7097-7098.	1.4	54
26	Catalytic asymmetric Î±-alkylation of aldehydesvia a S_N2â€²-type addition-elimination pathway. Chemical Science, 2011, 2, 353-357.	7.4	54
27	Pd-Catalyzed Hydroamination of Alkoxyallenes with Azole Heterocycles: Examples and Mechanistic Proposal. Organic Letters, 2017, 19, 4211-4214.	4.6	54
28	Goldâ€Catalyzed 1,2â€/1,2â€Bisâ€acetoxy Migration of 1,4â€Bisâ€propargyl Acetates: A Mechanistic Study. Chemistry - A European Journal, 2012, 18, 6811-6824.	3.3	50
29	Combined Î±,Î±-dialkylprolinol ether/BrÃ¸nsted acid promotes Mannich reactions of aldehydes with unactivated imines. An entry to anti-configured propargylic amino alcohols. Chemical Science, 2012, 3, 2949.	7.4	50
30	Highly Efficient and Stereoselective Juliaâ€“Kocienski Protocol for the Synthesis of Î±â€Fluoroâ€Î±,Î²â€unsaturated Esters and Weinreb Amides Employing 3,5â€Bis(trifluoromethyl)phenyl (BTFP) Sulfones. Advanced Synthesis and Catalysis, 2008, 350, 1823-1829.	4.3	48
31	Cationic Intermediates in the Intramolecular Insertion of Alkenes into(Î·3-Allyl)palladium(II) Complexes. Angewandte Chemie International Edition in English, 1997, 36, 767-769.	4.4	44
32	Solventâ€Induced Reversal of Enantioselectivity in the Synthesis of Succinimides by the Addition of Aldehydes to Maleimides Catalysed by Carbamateâ€Monoprotected 1,2â€Diamines. European Journal of Organic Chemistry, 2015, 2015, 1218-1225.	2.4	44
33	Indium(III)-Catalyzed Synthesis of Benzo[b]furans by Intramolecular Hydroalkoxylation of ortho-Alkynylphenols: Scope and Mechanistic Insights. Journal of Organic Chemistry, 2018, 83, 7970-7980.	3.2	43
34	Enantioselective Synthesis of Succinimides by Michael Addition of Aldehydes to Maleimides Organocatalyzed by Chiral Primary Amineâ€Guanidines. European Journal of Organic Chemistry, 2013, 2013, 5085-5092.	2.4	40
35	Asymmetric synthesis of propargylic alcohols via aldol reaction of aldehydes with ynals promoted by prolinol etherâ€“transition metalâ€“BrÃ¸nsted acid cooperative catalysis. Chemical Science, 2013, 4, 3198.	7.4	37
36	Cuâ€Promoted Sydnone Cycloadditions of Alkynes: Scope and Mechanism Studies. Chemistry - A European Journal, 2015, 21, 3257-3263.	3.3	37

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37	Enantioselective Synthesis of Succinimides by Michael Addition of 1,3â€Dicarbonyl Compounds to Maleimides Catalyzed by a Chiral Bis(2â€aminobenzimidazole) Organocatalyst. European Journal of Organic Chemistry, 2013, 2013, 1434-1440.	2.4	36
38	Selective C(sp²)â€“H Halogenation of â€œClickâ€•4-Aryl-1,2,3-triazoles. Organic Letters, 2017, 19, 962-965.	4.6	34
39	Construction of Cyclopenta[b]indol-1-ones by a Tandem Gold(I)-Catalyzed Rearrangement/Nazarov Reaction and Application to the Synthesis of Bruceolline H. Organic Letters, 2016, 18, 3922-3925.	4.6	33
40	BrÃ¸nsted Acid Assisted Regioâ€•and Enantioselective Direct Oâ€Nitroso Aldol Reaction Catalysed by Î±,Î±â€Diphenylprolinol Trimethylsilyl Ether. Chemistry - A European Journal, 2010, 16, 7496-7502.	3.3	32
41	Annulated Nâ€Heterocycles by Tandem Gold(I)â€Catalyzed [3,3]â€Rearrangement/Nazarov Reaction of Propargylic Ester Derivatives: an Experimental and Computational Study. European Journal of Organic Chemistry, 2015, 2015, 3943-3956.	2.4	32
42	A Modular Class of Fluorescent Difluoroboranes: Synthesis, Structure, Optical Properties, Theoretical Calculations and Applications for Biological Imaging. Chemistry - A European Journal, 2016, 22, 12430-12438.	3.3	32
43	Oxidant speciation and anionic ligand effects in the gold-catalyzed oxidative coupling of arenes and alkynes. Chemical Science, 2019, 10, 8411-8420.	7.4	32
44	Nâ€(Diazoacetyl)oxazolidinâ€2â€thiones as Sulfurâ€Donor Reagents: Asymmetric Synthesis of Thiiranes from Aldehydes. Angewandte Chemie - International Edition, 2012, 51, 10856-10860.	13.8	30
45	(1R)-(+)-Camphor and Acetone Derived Î±â€²-Hydroxy Enones in Asymmetric Dielsâ€“Alder Reaction: Catalytic Activation by Lewis and BrÃ¸nsted Acids, Substrate Scope, Applications in Syntheses, and Mechanistic Studies. Journal of Organic Chemistry, 2010, 75, 1458-1473.	3.2	29
46	Synthesis of (Â±)-10-epi-Elemol by a Highly Stereoselective Intramolecular Palladium-Catalyzed Coupling of an Allylstannane with an Allyl Acetate. Journal of Organic Chemistry, 1997, 62, 7540-7541.	3.2	28
47	Intramolecular Sulfur Transfer inN-Enoyl Oxazolidine-2-thiones Promoted by BrÃ¸nsted Acids. Practical Asymmetric Synthesis of Î²-Mercapto Carboxylic Acids and Mechanistic Insights. Journal of the American Chemical Society, 2006, 128, 15236-15247.	13.7	28
48	Preparation of Biodegradable Cationic Polycarbonates and Hydrogels through the Direct Polymerization of Quaternized Cyclic Carbonates. ACS Biomaterials Science and Engineering, 2017, 3, 1567-1575.	5.2	28
49	Enantioselective Michael addition of isobutyraldehyde to nitroalkenes organocatalyzed by chiral primary amine-guanidines. Tetrahedron: Asymmetry, 2014, 25, 462-467.	1.8	27
50	A 4â€Hydroxypyrrolidineâ€Catalyzed Mannich Reaction of Aldehydes: Control of antiâ€Selectivity by Hydrogen Bonding Assisted by BrÃ¸nsted Acids. Chemistry - A European Journal, 2010, 16, 5333-5342.	3.3	26
51	Enantioselective direct aldol reaction of Î±-keto esters catalyzed by (Sa)-binam-d-prolinamide under quasi solvent-free conditions. Organic and Biomolecular Chemistry, 2012, 10, 4029.	2.8	26
52	Enantioselective Michael addition of aldehydes to maleimides organocatalysed by chiral 1,2-diamines: an experimental and theoretical study. Tetrahedron: Asymmetry, 2013, 24, 1531-1535.	1.8	26
53	Au^I-Catalyzed Hydroalkynylation of Haloalkynes. Journal of the American Chemical Society, 2020, 142, 16082-16089.	13.7	26
54	Sodium Tetramethoxyborate:â€‰ An Efficient Catalyst for Michael Additions of Stabilized Carbon Nucleophiles. Journal of Organic Chemistry, 2007, 72, 8127-8130.	3.2	25

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55	3,5â€Bis(trifluoromethyl)phenyl Sulfones for the Highly Stereoselective Juliaâ€“Kocienski Synthesis of Î±,Î²â€Unsaturated Esters and Weinreb Amides. European Journal of Organic Chemistry, 2008, 2008, 2915-2922.	2.4	25
56	Primary Amineâ€“2-Aminopyrimidine Chiral Organocatalysts for the Enantioselective Conjugate Addition of Branched Aldehydes to Maleimides. Synthesis, 2015, 47, 2199-2206.	2.3	24
57	Diastereoselective Intramolecular Cycloaddition of Vinylsilanes and Silyl Nitronates. Effective Control of Remote Acyclic Asymmetry. Journal of Organic Chemistry, 1999, 64, 692-693.	3.2	23
58	Goldâ€Catalysed Synthesis of Exocyclic Vinylogous Amides and Î²â€Amino Ketones: A Detailed Study on the 5â€‹exo/6â€‹endoâ€‹dig Selectivity, Methodology and Scope. European Journal of Organic Chemistry, 2015, 2015, 3251-3265.	2.4	23
59	An umpolung strategy to react catalytic enols with nucleophiles. Nature Communications, 2019, 10, 5244.	12.8	23
60	Mechanistic Insights on the Magnesium(II) Ion-Activated Reduction of Methyl Benzoylformate with Chelated NADH Peptide Î²-Lactam Models. Journal of Organic Chemistry, 2009, 74, 6691-6702.	3.2	22
61	Bifunctional primary amine 2-aminobenzimidazole organocatalyst anchored to trans-cyclohexane-1,2-diamine in enantioselective conjugate additions of aldehydes. Tetrahedron: Asymmetry, 2016, 27, 118-122.	1.8	22
62	Approach to cis-Phlegmarine Alkaloids via Stereodivergent Reduction: Total Synthesis of (+)-Serratezomine E and Putative Structure of (â^')-Huperzine N. Organic Letters, 2015, 17, 5084-5087.	4.6	21
63	Metal-Free [2 + 2]-Photocycloaddition of (Z)-4-Aryliden-5(4H)-Oxazolones as Straightforward Synthesis of 1,3-Diaminotruxillic Acid Precursors: Synthetic Scope and Mechanistic Studies. ACS Sustainable Chemistry and Engineering, 2017, 5, 8370-8381.	6.7	20
64	Olefin Epoxidation Catalyzed by cisâ€Dioxdomolybdenum(VI) Complexes Containing Chiral Alkoxoâ€Imino Ligands Derived from (+)â€Î±â€Pinene. European Journal of Inorganic Chemistry, 2012, 2012, 2940-2949.	2.0	18
65	Pyrimidineâ€Derived Prolinamides as Recoverable Bifunctional Organocatalysts for Enantioselective Interâ€and Intramolecular Aldol Reactions under Solventâ€Free Conditions. European Journal of Organic Chemistry, 2015, 2015, 2614-2621.	2.4	17
66	Enantioselective Michael Addition of Aldehydes to Maleimides Organocatalyzed by a Chiral Primary Amine-Salicylamide. Molecules, 2018, 23, 3299.	3.8	17
67	Asymmetric Synthesis of Octahydroindoles via a Domino Robinson Annulation/5-Endo Intramolecular Aza-Michael Reaction. Journal of Organic Chemistry, 2016, 81, 10172-10179.	3.2	15
68	Base-Catalyzed [1,n]-Proton Shifts in Conjugated Polyenyl Alcohols and Ethers. ACS Catalysis, 2019, 9, 9134-9139.	11.2	15
69	An Unusual Nâ€Bridged (Amido)(hydrido)(phenoxido)aluminium Dinuclear Compound â€“ The Role of Nitrogen Substituents in Determining Nuclearity: A Combined Experimental and Theoretical Study. European Journal of Inorganic Chemistry, 2010, 2010, 1522-1529.	2.0	14
70	Synthesis of Indenes by Tandem Gold(I)-Catalyzed Claisen Rearrangement/Hydroarylation Reaction of Propargyl Vinyl Ethers. Journal of Organic Chemistry, 2019, 84, 6298-6311.	3.2	14
71	Insight intocis-to-transOlefin Isomerisation Catalysed by Group 4 and 6 Cyclopentadienyl Compounds. European Journal of Inorganic Chemistry, 2009, 2009, 1514-1520.	2.0	13
72	Baldwin-Type Rules for Metal-Controlled Intramolecular Migratory Insertions. A Computational Study of Ni, Pd, and Pt Case. Organometallics, 2018, 37, 390-395.	2.3	13

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73	Enantioselective addition of aryl ketones and acetone to nitroalkenes organocatalyzed by carbamate-monoprotected cyclohexa-1,2-diamines. Tetrahedron: Asymmetry, 2015, 26, 970-979.	1.8	11
74	DFT studies on metal-catalyzed cycloisomerization oftrans-1,5-enynes to cyclopropane sesquiterpenoids. Organic and Biomolecular Chemistry, 2019, 17, 5112-5120.	2.8	10
75	Asymmetric propionate aldol reactions of a chiral lithium enolate accessible from direct enolization with n-butyllithium. Arkivoc, 2005, 2005, 377-392.	0.5	10
76	Synthesis of Cyclometalated Gold(III) Complexes via Catalytic Rhodium to Gold(III) Transmetalation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	10
77	Synthetic and Mechanistic Investigation of an Oxime Ether Electrocyclization Approach to Heteroaromatic Boronic Acid Derivatives. Chemistry - A European Journal, 2018, 24, 9530-9534.	3.3	9
78	Intramolecular Palladium(II)-Catalyzed 6-endo Câ€“H Alkenylation Directed by the Remote N-Protecting Group: Mechanistic Insight and Application to the Synthesis of Dihydroquinolines. Journal of Organic Chemistry, 2020, 85, 2486-2503.	3.2	9
79	Stereoselective Decarboxylative Alkylation of Titanium(IV) Enolates with Diacyl Peroxides. Organic Letters, 2020, 22, 199-203.	4.6	9
80	Indium(III)-Catalyzed Stereoselective Synthesis of Tricyclic Frameworks by Cascade Cycloisomerization Reactions of Aryl 1,5-Enynes. Journal of Organic Chemistry, 2021, 86, 9515-9529.	3.2	9
81	Asymmetric Conjugate Addition of Î±,Î±-Disubstituted Aldehydes to Nitroalkenes Organocatalyzed by Chiral Monosalicylamides from trans-Cyclohexane-1,2-Diamines. Molecules, 2018, 23, 141.	3.8	8
82	Zinc Iodide Catalyzed Synthesis of Trisubstituted Allenes from Terminal Alkynes and Ketones. ACS Omega, 2021, 6, 23329-23346.	3.5	7
83	Kationische Zwischenstufen bei der intramolekularen Insertion von Alkenen in (Î·³â€Allyl)palladium(<scp>II</scp>)â€Komplexe. Angewandte Chemie, 1997, 109, 795-797.	2.0	6
84	Heterocycle-based bifunctional organocatalysts in asymmetric synthesis. Pure and Applied Chemistry, 2016, 88, 561-578.	1.9	6
85	Stereoselective, Ruthenium-Photocatalyzed Synthesis of 1,2-Diaminotruxinic Bis-amino Acids from 4-Arylidene-5(4H)-oxazolones. Journal of Organic Chemistry, 2022, , .	3.2	6
86	Structure and binding efficiency relations of QB site inhibitors of photosynthetic reaction centres*. General Physiology and Biophysics, 2015, 34, 119-133.	0.9	5
87	Glyoxylic Acid versus Ethyl Glyoxylate for the Aqueous EnantioÂselective Synthesis of Î±-Hydroxy-Î³-Keto Acids and Esters by the N-Tosyl-(S a)-binam-l-prolinamide-Organocatalyzed Aldol Reaction. Synthesis, 2015, 47, 549-561.	2.3	5
88	Synthesis of substituted Î³- and Î´-lactams based on titanocene(iii)-catalysed radical cyclisations of trichloroacetamides. RSC Advances, 2016, 6, 55360-55365.	3.6	4
89	Synthesis of 3â€Aminoâ€1â€benzothiopheneâ€1,1â€diones by Alkyne Directed Hydroarylation and 1/Nâ†'3/Câ€Sulfonyl Migration. European Journal of Organic Chemistry, 2018, 2018, 5435-5444.	2.4	4
90	An Expedient Method for the Umpolung Coupling of Enols with Heteronucleophiles**. Chemistry - A European Journal, 2022, 28, .	3.3	4

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91	DFT Studies on Double Hydrogen Bond Catalysis of Reactions of Distinct Polarity. European Journal of Organic Chemistry, 2009, 2009, 1207-1213.	2.4	3
92	Gold(I)-Catalyzed Cycloisomerization/Hetero-Dielsâ€“Alder Reaction/Ring Opening Cascade to Functionalized Cyclopentadienes. Journal of Organic Chemistry, 2022, 87, 6038-6051.	3.2	3
93	Conformational Flexibility as a Tool for Enabling Site-Selective Functionalization of Unactivated sp³ Câ€“O Bonds in Cyclic Acetals. Journal of the American Chemical Society, 0, , .	13.7	3
94	Amidosilylcyclopentadienyl Monoalkyl Zirconium Compounds: Evidence of a N-Assisted 1,3-Proton Shift Olefin Isomerization Mechanism. Organometallics, 2009, 28, 4165-4169.	2.3	2
95	Unexpected metal-free synthesis of trifluoromethyl arenes via tandem coupling of dicyanoalkenes and conjugated fluorinated sulfinyl imines. Chemical Communications, 2021, 57, 8023-8026.	4.1	2
96	Stereoselective Alkylation of Chiral Titanium(IV) Enolates with tert-Butyl Peresters. Organic Letters, 2021, 23, 8852-8856.	4.6	2
97	Pentannulation of N-heterocycles by a tandem gold-catalyzed [3,3]-rearrangement/Nazarov reaction of propargyl ester derivatives: a computational study on the crucial role of the nitrogen atom. Beilstein Journal of Organic Chemistry, 2020, 16, 3059-3068.	2.2	2
98	Radicalicity: A scale to compare reactivities of radicals. Chemical Physics Letters, 2015, 618, 99-101.	2.6	1
99	Unravelling mechanistic insights in the platinum-catalysed dihydroalkoxylation of allenes. Pure and Applied Chemistry, 2020, 92, 167-177.	1.9	1
100	2â€•and 6â€Purinylmagnesium Halides in Dichloromethane: Scope and New Insights into the Solvent Influence on the Câ^'Mg Bond. European Journal of Organic Chemistry, 2022, 2022, .	2.4	1
101	Catalytic Enantioselective Conjugate Addition of Carbamates.. ChemInform, 2004, 35, no.	0.0	0
102	Reply to comment on â€œRadicalicity: A scale to compare reactivities of radicalsâ€• Chemical Physics Letters, 2016, 654, 141.	2.6	0
103	Synthesis of Cyclometalated Gold(III) Complexes via Catalytic Rhodium to Gold(III) Transmetalation. Angewandte Chemie, 0, , .	2.0	0