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	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
2	Synthesis of Cyclometalated Gold(III) Complexes via Catalytic Rhodium to Gold(III) Transmetalation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	10
3	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
4	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
5	An Expedient Method for the Umpolung Coupling of Enols with Heteronucleophiles**. Chemistry - A European Journal, 2022, 28, .	3.3	4
6	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
7	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
8	Zinc Iodide Catalyzed Synthesis of Trisubstituted Allenes from Terminal Alkynes and Ketones. ACS Omega, 2021, 6, 23329-23346.	3.5	7
9	Stereoselective Alkylation of Chiral Titanium(IV) Enolates with tert-Butyl Peresters. Organic Letters, 2021, 23, 8852-8856.	4.6	2
10	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
11	Stereoselective Decarboxylative Alkylation of Titanium(IV) Enolates with Diacyl Peroxides. Organic Letters, 2020, 22, 199-203.	4.6	9
12	Au^I-Catalyzed Hydroalkynylation of Haloalkynes. Journal of the American Chemical Society, 2020, 142, 16082-16089.	13.7	26
13	Unravelling mechanistic insights in the platinum-catalysed dihydroalkoxylation of allenes. Pure and Applied Chemistry, 2020, 92, 167-177.	1.9	1
14	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
15	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
16	Base-Catalyzed [1,n]-Proton Shifts in Conjugated Polyenyl Alcohols and Ethers. ACS Catalysis, 2019, 9, 9134-9139.	11.2	15
17	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
18	DFT studies on metal-catalyzed cycloisomerization oftrans-1,5-enynes to cyclopropane sesquiterpenoids. Organic and Biomolecular Chemistry, 2019, 17, 5112-5120.	2.8	10

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19	An umpolung strategy to react catalytic enols with nucleophiles. Nature Communications, 2019, 10, 5244.	12.8	23
20	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
21	Enantioselective Michael Addition of Aldehydes to Maleimides Organocatalyzed by a Chiral Primary Amine-Salicylamide. Molecules, 2018, 23, 3299.	3.8	17
22	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
23	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
24	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
25	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
26	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
27	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
28	Expeditious diastereoselective synthesis of elaborated ketones via remote Csp3â€“H functionalization. Nature Communications, 2017, 8, 13832.	12.8	68
29	Selective C(sp²)â€“H Halogenation of â€œClickâ€•4-Aryl-1,2,3-triazoles. Organic Letters, 2017, 19, 962-965.	4.6	34
30	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
31	Pd-Catalyzed Hydroamination of Alkoxyallenes with Azole Heterocycles: Examples and Mechanistic Proposal. Organic Letters, 2017, 19, 4211-4214.	4.6	54
32	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
33	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
34	Reply to comment on â€œRadicalicity: A scale to compare reactivities of radicalsâ€• Chemical Physics Letters, 2016, 654, 141.	2.6	0
35	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
36	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

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37	Heterocycle-based bifunctional organocatalysts in asymmetric synthesis. Pure and Applied Chemistry, 2016, 88, 561-578.	1.9	6
38	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
39	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
40	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
41	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
42	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
43	Structure and binding efficiency relations of QB site inhibitors of photosynthetic reaction centres*. General Physiology and Biophysics, 2015, 34, 119-133.	0.9	5
44	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
45	Cuâ€Promoted Sydnone Cycloadditions of Alkynes: Scope and Mechanism Studies. Chemistry - A European Journal, 2015, 21, 3257-3263.	3.3	37
46	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
47	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
48	Iron-catalyzed direct Î±-arylation of ethers with azoles. Chemical Communications, 2015, 51, 13365-13368.	4.1	69
49	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
50	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
51	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
52	Primary Amineâ€“2-Aminopyrimidine Chiral Organocatalysts for the Enantioselective Conjugate Addition of Branched Aldehydes to Maleimides. Synthesis, 2015, 47, 2199-2206.	2.3	24
53	Radicalicity: A scale to compare reactivities of radicals. Chemical Physics Letters, 2015, 618, 99-101.	2.6	1
54	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

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55	A Neutral Gold(III)â€“Boron Transmetalation. Organometallics, 2014, 33, 1328-1332.	2.3	68
56	Enantioselective Michael addition of isobutyraldehyde to nitroalkenes organocatalyzed by chiral primary amine-guanidines. Tetrahedron: Asymmetry, 2014, 25, 462-467.	1.8	27
57	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
58	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
59	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
60	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
61	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
62	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
63	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
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	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
66	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
67	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
68	Catalytic asymmetric Î±-alkylation of aldehydesvia a S_N2â€²-type addition-elimination pathway. Chemical Science, 2011, 2, 353-357.	7.4	54
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	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
71	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
72	(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

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73	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
74	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
75	DFT Studies on Double Hydrogen Bond Catalysis of Reactions of Distinct Polarity. European Journal of Organic Chemistry, 2009, 2009, 1207-1213.	2.4	3
76	Amidosilylcyclopentadienyl Monoalkyl Zirconium Compounds: Evidence of a N-Assisted 1,3-Proton Shift Olefin Isomerization Mechanism. Organometallics, 2009, 28, 4165-4169.	2.3	2
77	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
78	Investigation of the Scope and Regiochemistry of Alkynylboronate Cycloadditions with Sydnones. Journal of the American Chemical Society, 2009, 131, 7762-7769.	13.7	92
79	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
80	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
81	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
82	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
83	Sodium Tetramethoxyborate:â€‰ An Efficient Catalyst for Michael Additions of Stabilized Carbon Nucleophiles. Journal of Organic Chemistry, 2007, 72, 8127-8130.	3.2	25
84	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
85	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
86	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
87	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
88	Asymmetric propionate aldol reactions of a chiral lithium enolate accessible from direct enolization with n-butyllithium. Arkivoc, 2005, 2005, 377-392.	0.5	10
89	Catalytic Enantioselective Conjugate Addition of Carbamates.. ChemInform, 2004, 35, no.	0.0	0
90	Catalytic Enantioselective Conjugate Addition of Carbamates. Journal of the American Chemical Society, 2004, 126, 9188-9189.	13.7	122

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91	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
92	Phosphazene bases for the preparation of biaryl thioethers from aryl iodides and arenethiols. Tetrahedron Letters, 2000, 41, 1283-1286.	1.4	146
93	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
94	Phosphazene P4-But base for the Ullmann biaryl ether synthesis. Chemical Communications, 1998, , 2091-2092.	4.1	74
95	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
96	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
97	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
98	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
99	Michael Reaction of Stabilized Carbon Nucleophiles Catalyzed by [RuH2(PPh3)4]. Journal of the American Chemical Society, 1996, 118, 8553-8565.	13.7	92
100	Formation of Î±,Î²-unsaturated carbonyl compounds by palladium-catalyzed oxidation of allylic alcohols. Tetrahedron Letters, 1994, 35, 7097-7098.	1.4	54
101	Synthesis of isoascididemin, a regioisomer of the marine alkaloid ascididemin. Journal of Organic Chemistry, 1991, 56, 3497-3501.	3.2	100
102	Synthesis of Cyclometalated Gold(III) Complexes via Catalytic Rhodium to Gold(III) Transmetalation. Angewandte Chemie, 0, , .	2.0	0
103	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