Efraim Reyes

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8157310/publications.pdf

Version: 2024-02-01

93 papers	3,745 citations	117625 34 h-index	138484 58 g-index
137 all docs	137 docs citations	137 times ranked	2774 citing authors

#	Article	IF	Citations
1	Kinetic Resolution in Transannular Morita-Baylis-Hillman Reaction: An Approximation to the Synthesis of Sesquiterpenes from Guaiane Family. Catalysts, 2022, 12, 67.	3.5	1
2	Innovative Microstructural Transformation upon CO2 Supercritical Conditions on Metal-Nucleobase Aerogel and Its Use as Effective Filler for HPLC Biomolecules Separation. Nanomaterials, 2022, 12, 675.	4.1	0
3	An Approach to the Synthesis of a Hepatitis C Virus Inhibitor through a Proline-Catalyzed 1,3-Dipolar Cycloaddition Using Acrolein. Synthesis, 2022, 54, 1101-1107.	2.3	1
4	Enantioselective transannular reactions by palladium-catalysed conjugate addition of aryl boronic acids. Chemical Communications, 2022, 58, 6514-6517.	4.1	1
5	Recent Developments in Transannular Reactions. Synthesis, 2022, 54, 4167-4183.	2.3	8
6	Enantioselective construction of the 8-azabicyclo[3.2.1]octane scaffold: application in the synthesis of tropane alkaloids. Organic and Biomolecular Chemistry, 2021, 19, 3763-3775.	2.8	5
7	BrÃ¸nsted Acid Catalyzed (4 + 2) Cyclocondensation of 3-Substituted Indoles with Donorâ€“Acceptor Cyclopropanes. Organic Letters, 2021, 23, 2326-2331.	4.6	17
8	The Pseudotransannular Ring Opening of 1â€Aminocycloheptâ€4â€eneâ€derived Epoxides in the Synthesis of Tropane Alkaloids: Total Synthesis of (Â±)â€Ferrugine. European Journal of Organic Chemistry, 2021, 2021, 2855-2861.	2.4	2
9	Transannular Enantioselective (3 + 2) Cycloaddition of Cycloalkenone Hydrazones under BrÃ¸nsted Acid Catalysis. Organic Letters, 2021, 23, 8738-8743.	4.6	10
10	Catalytic Stereoselective Borylative Transannular Reactions. Angewandte Chemie, 2020, 132, 2116-2120.	2.0	7
11	Catalytic Stereoselective Borylative Transannular Reactions. Angewandte Chemie - International Edition, 2020, 59, 2100-2104.	13.8	32
12	Catalytic enantioselective domino Michael/transannular aldol reaction under bifunctional catalysis. Chemical Communications, 2020, 56, 13149-13152.	4.1	14
13	Î³-Substituted Allenic Amides in the Phosphine-Catalyzed Enantioselective Higher Order Cycloaddition with Azaheptafulvenes. Organic Letters, 2020, 22, 4721-4725.	4.6	19
14	A bioinspired metalâ€“organic approach to cross-linked functional 3D nanofibrous hydro- and aero-gels with effective mixture separation of nucleobases by molecular recognition. Nanoscale, 2020, 12, 14699-14707.	5.6	5
15	Enantioselective Synthesis of Tropanes: BrÃ¸nsted Acid Catalyzed Pseudotransannular Desymmetrization. Angewandte Chemie - International Edition, 2020, 59, 6780-6784.	13.8	15
16	Enantioselective Synthesis of Tropanes: BrÃ¸nsted Acid Catalyzed Pseudotransannular Desymmetrization. Angewandte Chemie, 2020, 132, 6846-6850.	2.0	5
17	Catalytic Enantioselective Transannular Moritaâ€“Baylisâ€“Hillman Reaction. Journal of the American Chemical Society, 2019, 141, 9495-9499.	13.7	30
18	Carboxylates as Nucleophiles in the Enantioselective Ringâ€Opening of Formylcyclopropanes under Iminium Ion Catalysis. Chemistry - A European Journal, 2018, 24, 8764-8768.	3.3	19

#	Article	IF	Citations
19	Organocatalytic Transannular Approach to Stereodefined Bicyclo[3.1.0]hexanes. Journal of Organic Chemistry, 2018, 83, 4180-4189.	3.2	11
20	Highly diastereoselective C â†' N acyl rearrangement in polysubstituted pyrrolidine 2,2-dicarboxylates. Stereocontrolled synthesis of densely functionalized prolines. Organic Chemistry Frontiers, 2018, 5, 933-942.	4.5	3
21	Catalytic Enantioselective Clokeâ€"Wilson Rearrangement. Angewandte Chemie, 2018, 130, 8357-8361.	2.0	36
22	Ion-pairing catalysis in the enantioselective addition of hydrazones to N-acyldihydropyrrole derivatives. Chemical Communications, 2018, 54, 8905-8908.	4.1	18
23	Catalytic Enantioselective Clokeâ€"Wilson Rearrangement. Angewandte Chemie - International Edition, 2018, 57, 8225-8229.	13.8	86
24	Transitionâ€Metalâ€Free Stereoselective Borylation of Allenamides. Chemistry - A European Journal, 2018, 24, 14059-14063.	3.3	18
25	Racemic hemiacetals as oxygen-centered pronucleophiles triggering cascade 1,4-addition/Michael reaction through dynamic kinetic resolution under iminium catalysis. Development and mechanistic insights. Chemical Science, 2017, 8, 2904-2913.	7.4	17
26	Regioselectivity Change in the Organocatalytic Enantioselective (3+2) Cycloaddition with Nitrones through Cooperative Hydrogenâ€Bonding Catalysis/Iminium Activation. Chemistry - A European Journal, 2017, 23, 2764-2768.	3.3	17
27	Catalytic Generation of Donorâ€Acceptor Cyclopropanes under Nâ€Heterocyclic Carbene Activation and their Stereoselective Reaction with Alkylideneoxindoles. Advanced Synthesis and Catalysis, 2017, 359, 1678-1683.	4.3	40
28	Enantioselective Cascade Reactions under N-Heterocyclic Carbene Catalysis. Synthesis, 2017, 49, 451-471.	2.3	42
29	Supramolecular architectures based on p-cymene/ruthenium complexes functionalized with nucleobases. CrystEngComm, 2017, 19, 6039-6048.	2.6	6
30	A Case Study of Thioureaâ€Assisted Iminium Formation by Hydroxyl Anion Binding: Kinetic, Spectroscopic and Computational Evidences. Advanced Synthesis and Catalysis, 2017, 359, 4122-4128.	4.3	15
31	Enantioselective Oxidative (4+3) Cycloadditions between Allenamides and Furans through Bifunctional Hydrogenâ€Bonding/Ionâ€Pairing Interactions. Angewandte Chemie - International Edition, 2017, 56, 10535-10538.	13.8	54
32	Enantioselective Oxidative (4+3) Cycloadditions between Allenamides and Furans through Bifunctional Hydrogenâ€Bonding/Ionâ€Pairing Interactions. Angewandte Chemie, 2017, 129, 10671-10674.	2.0	13
33	Mechanistic Insights into the Mode of Action of Bifunctional Pyrrolidineâ€Squaramideâ€Derived Organocatalysts. Chemistry - A European Journal, 2016, 22, 884-889.	3.3	19
34	Organocatalytic enantio- and diastereoselective synthesis of 3,5-disubstituted prolines. Chemical Communications, 2016, 52, 2330-2333.	4.1	5
35	Organocatalytically Generated Donorâ€"Acceptor Cyclopropanes in Domino Reactions. One-Step Enantioselective Synthesis of Pyrrolo[1,2-a]quinolines. Organic Letters, 2016, 18, 1270-1273.	4.6	60
36	Catalytic Enantioselective [5+2] Cycloaddition between Oxidopyrylium Ylides and Enals under Dienamine Activation. Angewandte Chemie, 2015, 127, 3086-3089.	2.0	20

#	Article	IF	Citations
37	Organocatalytic and enantioselective Michael reaction between Î±-nitroesters and nitroalkenes. Syn/anti-selectivity control using catalysts with the same absolute backbone chirality. Beilstein Journal of Organic Chemistry, 2015, 11, 2577-2583.	2.2	5
38	Organocatalytic Enantioselective [3+2] Cycloaddition of Azomethine Ylides and Acrolein. Asymmetric Catalysis, 2015, 2, .	0.2	2
39	4-Alkenyl-5H-1,2,3-oxathiazole 2,2-dioxides in catalytic and enantioselective [4 + 2] cycloaddition through iminium activation. Straightforward access to the trans-decaline framework and to densely functionalized cyclohexanes. Organic Chemistry Frontiers, 2015, 2, 206-210.	4.5	6
40	Catalytic Enantioselective [5+2] Cycloaddition between Oxidopyrylium Ylides and Enals under Dienamine Activation. Angewandte Chemie - International Edition, 2015, 54, 3043-3046.	13.8	65
41	Enantioselective Synthesis of Tertiary Propargylic Alcohols under Nâ€Heterocyclic Carbene Catalysis. Chemistry - A European Journal, 2015, 21, 8384-8388.	3.3	27
42	Favoring Trienamine Activation through Unconjugated Dienals: Organocatalytic Enantioselective Remote Functionalization of Alkenes. Chemistry - A European Journal, 2014, 20, 2145-2148.	3.3	28
43	Ethyl Glyoxylate N-Tosylhydrazone as Sulfonyl-Transfer Reagent in Base-Catalyzed Sulfa-Michael Reactions. Journal of Organic Chemistry, 2014, 79, 441-445.	3.2	35
44	Baseâ€Promoted Câ†'N Acyl Rearrangement: An Unconventional Approach to Î±â€Amino Acid Derivatives. Chemistry - A European Journal, 2014, 20, 11650-11654.	3.3	18
45	Bifunctional Squaramide Catalysts with the Same Absolute Chirality for the Diastereodivergent Access to Densely Functionalised Cyclohexanes through Enantioselective Domino Reactions. Synthesis and Mechanistic Studies. Advanced Synthesis and Catalysis, 2014, 356, 3627-3648.	4.3	47
46	Transannular reactions in asymmetric total synthesis. Tetrahedron, 2014, 70, 9461-9484.	1.9	60
47	4.03 Organocatalytic Asymmetric Nucleophilic Addition to Electron-Deficient Alkenes. , 2014, , 119-188.		5
48	Base Free Catalyzed Enantioselective Michael Reaction of bis(phenylsulfonyl)methane to α,β -Unsaturated Aldehydes under Iminium Activation. Current Topics in Medicinal Chemistry, 2014, 14, 1317-1322.	2.1	1
49	The organocatalytic enantioselective [3+2] cycloaddition reaction of Î±,Î²-unsaturated aldehydes with azomethine ylides applied to the asymmetric synthesis of densely substituted pyrroloisoquinolines. Tetrahedron, 2013, 69, 8878-8884.	1.9	8
50	A general approach for the asymmetric synthesis of densely substituted piperidines and fully substituted piperidinones employing the asymmetric Mannich reaction as key step. RSC Advances, 2013, 3, 25800.	3.6	4
51	Using Heteroaryl-lithium Reagents as Hydroxycarbonyl Anion Equivalents in Conjugate Addition Reactions with (S,S)-(+)-Pseudoephedrine as Chiral Auxiliary; Enantioselective Synthesis of 3-Substituted Pyrrolidines. Journal of Organic Chemistry, 2013, 78, 614-627.	3.2	15
52	Optimizing the Structure of 4â€Dialkylaminoâ€Î±,Î±â€diarylprolinol Ethers as Catalysts for the Enantioselective Cyclopropanation of Î±,Î²â€Unsaturated Aldehydes in Water. ChemCatChem, 2013, 5, 2240-2247.	3.7	18
53	Using Conveniently Designed Î±â€Amino Ketones in Michael Reactions under Iminium Catalysis: Enantioselective Synthesis of Î³â€Lactams and Î³â€Aminoâ€Î´â€keto Esters. Advanced Synthesis and Catalysis, 2013, 355, 653-658.	3.3	17
54	A Simple Synthesis of Polysubstituted Pyrrolidines by an Organocatalytic Three-Component Approach Featuring a One-Pot Condensation and [3+2]-Cycloaddition Reaction in Aqueous Medium. Synthesis, 2013, 45, 2669-2678.	2.3	10

#	Article	IF	Citations
55	Enantio- and Diastereoselective Synthesis of Substituted Tetrahydro-1H-isochromanes through a Dynamic Kinetic Resolution Proceeding under Dienamine Catalysis. Organic Letters, 2012, 14, 3740-3743.	4.6	50
56	Organocatalytic enantioselective synthesis of 2,3-dihydropyridazines. Chemical Communications, 2012, 48, 2092.	4.1	34
57	Enantioselective Conjugate Addition of Donorâ€“Acceptor Hydrazones to Î±,Î²-Unsaturated Aldehydes through Formal Diazaâ€“Ene Reaction: Access to 1,4-Dicarbonyl Compounds. Journal of the American Chemical Society, 2012, 134, 11872-11875.	13.7	59
58	Organocatalytic Enantioselective aza-Michael Reactions. Current Organic Chemistry, 2012, 16, 521-546.	1.6	35
59	Cooperative Dienamine/Hydrogenâ€Bonding Catalysis: Enantioselective Formal [2+2] Cycloaddition of Enals with Nitroalkenes. Angewandte Chemie - International Edition, 2012, 51, 4104-4107.	13.8	158
60	An Amineâ€Catalyzed Enantioselective [3+2] Cycloaddition of Azomethine Ylides and Î±,Î²â€Unsaturated Aldehydes: Applications and Mechanistic Implications. Chemistry - A European Journal, 2012, 18, 7179-7188.	3.3	58
61	Organocatalytic Enantioselective Synthesis of Pyrazolidines, Pyrazolines and Pyrazolidinones. Advanced Synthesis and Catalysis, 2012, 354, 371-376.	4.3	58
62	Organocatalytic enantioselective (3+2) cycloaddition using stable azomethine ylides. Chemical Communications, 2011, 47, 12313.	4.1	58
63	5-Mercaptotetrazoles as Synthetic Equivalents of Nitrogen-Contaning Functional Groups. The Case of the Organocatalytic Enantioselective aza-Michael Reaction. Organic Letters, 2011, 13, 336-339.	4.6	27
64	Role of Pseudoephedrine as Chiral Auxiliary in the â€œAcetate-Typeâ€•Aldol Reaction with Chiral Aldehydes; Asymmetric Synthesis of Highly Functionalized Chiral Building Blocks. Journal of Organic Chemistry, 2011, 76, 460-470.	3.2	14
65	Complete 2,5â€Diastereocontrol in the Organocatalytic Enantioselective [3+2]â€‰Cycloaddition of Enals with Azomethine Ylides Derived from Î±â€Iminocyanoacetates: Asymmetric Synthesis of Pyrrolidines with Four Stereocentres. Advanced Synthesis and Catalysis, 2011, 353, 3307-3312.	4.3	27
66	Organocatalytic Enantioselective Formal Conjugate Addition of a Hydroxymoyl Anion to Î±,Î²â€Unsaturated Aldehydes. Chemistry - A European Journal, 2011, 17, 6048-6051.	3.3	9
67	Stereoselective Total Synthesis of (-)-Î²-Conhydrine and (+)-Î±-Conhydrine. Synthesis, 2011, 2011, 443-450.	2.3	4
68	â€˜On Waterâ€™ Iminium/Enamine Catalysis: Organocatalytic Enantioselective Cyclopropanation of Î±,Î²-Unsaturated Aldehydes. Synthesis, 2010, 2010, 701-713.	2.3	9
69	The organocatalytic [3+2] cycloaddition of azomethine ylides and Î±,Î²-unsaturated aldehydes as a convenient tool for the enantioselective synthesis of pyrrolizidines and indolizidines. Organic and Biomolecular Chemistry, 2010, 8, 2238.	2.8	40
70	Enantioselective Organocatalytic Domino Oxaâ€Michael/Aldol/Hemiacetalization: Synthesis of Polysubstituted Furofuranes Containing Four Stereocenters. Angewandte Chemie - International Edition, 2009, 48, 5701-5704.	13.8	96
71	Highly Regio- and Stereoselective Addition of Organolithium Reagents to Extended Conjugate Amides Using (S,S)-(+)-Pseudoephedrine as Chiral Auxiliary. Journal of Organic Chemistry, 2009, 74, 4404-4407.	3.2	22
72	Organocatalytic Enantioselective Synthesis of Highly Functionalized Polysubstituted Pyrrolidines. Chemistry - A European Journal, 2008, 14, 9357-9367.	3.3	45

#	Article	IF	Citations
73	Asymmetric 1,4â€Addition of Oxazolones to Nitroalkenes by Bifunctional Cinchona Alkaloid Thiourea Organocatalysts: Synthesis of Î±,Î±â€Disubstituted Î±â€Amino Acids. Chemistry - A European Journal, 2008, 14, 10958-10966.	3.3	110
74	Organocatalytic Asymmetric Synthesis of Î±,Î±-Disubstituted Î±-Amino Acids and Derivatives. Journal of the American Chemical Society, 2008, 130, 12031-12037.	13.7	173
75	Organocatalytic asymmetric â€œanti-Michaelâ€•reaction of Î²-ketoesters. Chemical Communications, 2007, , 3921.	4.1	41
76	How to Make Five Contiguous Stereocenters in One Reaction: Asymmetric Organocatalytic Synthesis of Pentasubstituted Cyclohexanes. Angewandte Chemie - International Edition, 2007, 46, 9202-9205.	13.8	134
77	Organocatalytic Asymmetric Michael Addition of Aldehydes to Î²-Nitroacroleine Dimethyl Acetal. Organic Letters, 2006, 8, 6135-6138.	4.6	84
78	(S,S)-(+)-Pseudoephedrine as Chiral Auxiliary in Asymmetric Conjugate Addition and Tandem Conjugate Addition/Î±-Alkylation Reactions. Journal of Organic Chemistry, 2006, 71, 7763-7772.	3.2	46
79	Tandem Asymmetric Conjugate Addition/Î±-Alkylation Using (S,S)-(+)-Pseudoephedrine as Chiral Auxiliary. Organic Letters, 2006, 8, 2535-2538.	4.6	32
80	Î±-Amino Acids, Î²-Amino Alcohols and Related Compounds as Chiral Auxiliaries, Ligands and Catalysts in the Asymmetric Aldol Reaction. ChemInform, 2006, 37, no.	0.0	0
81	Direct Asymmetric Intermolecular Aldol Reactions Catalyzed by Amino Acids and Small Peptides. Chemistry - A European Journal, 2006, 12, 5383-5397.	3.3	241
82	Direct Asymmetric Intermolecular Aldol Reactions Catalyzed by Amino Acids and Small Peptides. Chemistry - A European Journal, 2006, 12, 5175-5175.	3.3	9
83	Amino acid-catalyzed dynamic kinetic asymmetric transformations (DYKAT): one-step de novo synthesis of polyketide sugars from racemic Î²-hydroxy aldehydes. Tetrahedron Letters, 2005, 46, 6605-6609.	1.4	55
84	The Origin of Stereoselectivity in Primary Amino Acid Catalyzed Intermolecular Aldol Reactions. Angewandte Chemie - International Edition, 2005, 44, 7028-7032.	13.8	126
85	Amino Acid Catalyzed Neogenesis of Carbohydrates: A Plausible Ancient Transformation. Chemistry - A European Journal, 2005, 11, 4772-4784.	3.3	130
86	Acyclic Amino Acid-Catalyzed Direct Asymmetric Aldol Reactions: Alanine, the Simplest Stereoselective Organocatalyst.. ChemInform, 2005, 36, no.	0.0	0
87	A Direct and Efficient Stereoconservative Procedure for the Selective Oxidation of N-Protected Î²-Amino Alcohols. Synlett, 2005, 2005, 2110-2112.	1.8	5
88	THE ASYMMETRICAZA-MICHAEL REACTION. A REVIEW. Organic Preparations and Procedures International, 2005, 37, 513-538.	1.3	100
89	Acyclic amino acid-catalyzed direct asymmetric aldol reactions: alanine, the simplest stereoselective organocatalyst. Chemical Communications, 2005, , 3586.	4.1	253
90	α-Amino Acids, β-Amino Alcohols and Related Compounds as Chiral Auxiliaries, Ligands and Catalysts in the Asymmetric Aldol Reaction. Current Organic Chemistry, 2005, 9, 219-235.	1.6	80

#	Article	IF	Citations
91	Double Stereodifferentiation in the â€œAcetate-Typeâ€•Aldol Reaction with Garnerâ€²s Aldehyde. Stereocontrolled Synthesis of Polyhydroxylated Î³-Amino Carbonyl Compounds.. ChemInform, 2004, 35, no.	0.0	0
92	Double Stereodifferentiation in the â€œAcetate-Typeâ€•Aldol Reaction with Garner's Aldehyde. Stereocontrolled Synthesis of Polyhydroxylated Î³-Amino Carbonyl Compounds. Organic Letters, 2004, 6, 3171-3174.	4.6	26
93	Asymmetric Hydroxylation of (S,S)-(+)-Pseudoephedrine Phenylacetamide Enolates. Letters in Organic Chemistry, 2004, 1, 331-334.	0.5	1