

Albert Moyano

List of Publications by Year in descending order

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38
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65
g-index

130
all docs

130
docs citations

130
times ranked

3668
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#	ARTICLE	IF	CITATIONS
1	Absolute Asymmetric Catalysis, from Concept to Experiment: A Narrative. <i>Synlett</i> , 2021, 32, 2013-2035.	1.0	4
2	Chiral Amphiphilic Secondary Amine-Porphyrin Hybrids for Aqueous Organocatalysis. <i>Molecules</i> , 2020, 25, 3420.	1.7	5
3	A pH-Switchable Aqueous Organocatalysis with Amphiphilic Secondary Amine-Porphyrin Hybrids. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4399-4407.	1.2	13
4	Spontaneous mirror-symmetry breaking coupled to top-bottom chirality transfer: from porphyrin self-assembly to scalemic Diels-Alder adducts. <i>Chemical Communications</i> , 2019, 55, 12219-12222.	2.2	18
5	Can an Alcohol Act As an Acid/Base Catalyst in Water Solution? An Experimental and Theoretical Study of Imidazole Catalysis of the Aqueous Morita-Baylis-Hillman Reaction. <i>ACS Catalysis</i> , 2018, 8, 1703-1714.	5.5	16
6	5-Phenyl-10,15,20-Tris(4-sulfonatophenyl)porphyrin: Synthesis, Catalysis, and Structural Studies. <i>Molecules</i> , 2018, 23, 3363.	1.7	9
7	Spontaneous mirror symmetry breaking and origin of biological homochirality. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170699.	1.5	53
8	Spontaneous mirror symmetry breaking in heterocatalytically coupled enantioselective replicators. <i>Chemical Science</i> , 2017, 8, 763-769.	3.7	39
9	Searching for Spontaneous Mirror-Symmetry Breaking in Organoautocatalytic Reactions. , 2017, , 241-258.		4
10	Expedient Organocatalytic Syntheses of 4-Substituted Pyrazolidines and Isoxazolidines. <i>Molecules</i> , 2016, 21, 1655.	1.7	3
11	Cooperative Effects Between Arginine and Glutamic Acid in the Amino Acid-Catalyzed Aldol Reaction. <i>Chirality</i> , 2016, 28, 599-605.	1.3	8
12	Solvent-controlled diastereoselectivity in tryptophan-catalyzed Mannich reactions. <i>Asymmetric Catalysis</i> , 2015, 2, .	0.2	0
13	Catalytic asymmetric one-pot synthesis of β -methylene- β -lactams. <i>Tetrahedron</i> , 2014, 70, 75-82.	1.0	29
14	Absolute Asymmetric Synthesis in Enantioselective Autocatalytic Reaction Networks: Theoretical Games, Speculations on Chemical Evolution and Perhaps a Synthetic Option. <i>Chemistry - A European Journal</i> , 2014, 20, 17250-17271.	1.7	67
15	A Closer Look at Spontaneous Mirror Symmetry Breaking in Aldol Reactions. <i>Chemistry - A European Journal</i> , 2014, 20, 17395-17408.	1.7	38
16	Expanding the Scope of the Organocatalytic Addition of Fluorobis(phenylsulfonyl)methane to Enals: Enantioselective Cascade Synthesis of Fluoroindane and Fluorochromanol Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 437-446.	2.1	19
17	Aqueous Morita-Baylis-Hillman Reaction of Unprotected Isatins with Cyclic Enones. <i>Organic Letters</i> , 2013, 15, 5838-5841.	2.4	31
18	Catalytic Asymmetric Strategies for the Synthesis of 3,3-Disubstituted Oxindoles. <i>Studies in Natural Products Chemistry</i> , 2013, 40, 71-132.	0.8	15

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19	Mirror symmetry breaking with limited enantioselective autocatalysis and temperature gradients: a stability survey. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 1546-1556.	1.3	23
20	First one-pot organocatalytic synthesis of β -methylene- β -lactones. <i>Chemical Communications</i> , 2013, 49, 1184.	2.2	45
21	Spontaneous Mirror Symmetry Breaking in the Limited Enantioselective Autocatalysis Model: Abyssal Hydrothermal Vents as Scenario for the Emergence of Chirality in Prebiotic Chemistry. <i>Astrobiology</i> , 2013, 13, 132-142.	1.5	23
22	Stereoselective Organocatalytic Approach to β -Disubstituted α -Amino Acids: A Short Enantioselective Synthesis of Cispentacin. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3103-3111.	1.2	24
23	The Viedma Deracemization of Racemic Conglomerate Mixtures as a Paradigm of Spontaneous Mirror Symmetry Breaking in Aggregation and Polymerization. <i>ChemPhysChem</i> , 2013, 14, 3982-3993.	1.0	35
24	Spontaneous Emergence of Chirality in the Limited Enantioselectivity Model: Autocatalytic Cycle Driven by an External Reagent. <i>ChemPhysChem</i> , 2013, 14, 2432-2440.	1.0	24
25	Organocatalytic enantioselective pyrazol-3-one addition to maleimides: Reactivity and stereochemical course. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1645.	1.5	60
26	Enantioselective organocatalytic oxyamination of unprotected 3-substituted oxindoles. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 431-439.	1.5	33
27	Enantioselective addition of oxazolones to maleimides. An easy entry to quaternary aminoacids. <i>New Journal of Chemistry</i> , 2012, 36, 613-618.	1.4	13
28	Efficient Catalysis of Aqueous Morita-Baylis-Hillman Reactions of Cyclic Enones by a Bicyclic Imidazolyl Alcohol. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6861-6866.	1.2	30
29	Organocatalytic enantioselective substitution of MBH carbonates by 2-fluoromalonates. <i>Tetrahedron Letters</i> , 2012, 53, 4124-4129.	0.7	19
30	Enantioselective organocatalytic asymmetric allylic alkylation. Bis(phenylsulfonyl)methane addition to MBH carbonates. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7986.	1.5	40
31	Highly enantioselective cascade synthesis of spiropyrazolones. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 6519.	1.5	104
32	Highly enantioselective organocatalytic cascade reaction for the synthesis of piperidines and oxazolidines. <i>Tetrahedron</i> , 2011, 67, 8942-8950.	1.0	44
33	Asymmetric Organocatalytic Cyclization and Cycloaddition Reactions. <i>Chemical Reviews</i> , 2011, 111, 4703-4832.	23.0	788
34	Highly Stereoselective Synthesis of Spiropyrazolones. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1318-1325.	1.2	98
35	Alkylation of Oxazolones and Related Heterocycles through an S_N1 Reaction. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2053-2056.	1.2	16
36	Asymmetric organocatalytic anthrone additions to activated alkenes. <i>Tetrahedron</i> , 2011, 67, 2513-2529.	1.0	28

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37	Novel Peptidyl Aryl Vinyl Sulfones as Highly Potent and Selective Inhibitors of Cathepsins L and B. <i>ChemMedChem</i> , 2010, 5, 1556-1567.	1.6	27
38	Highly Enantioselective Addition of 1-Fluoro-1-nitro(phenylsulfonyl)methane to α,β -Unsaturated Aldehydes. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5464-5470.	1.2	28
39	Bifunctional Thiourea-Catalyzed Asymmetric Addition of Anthrones to Maleimides. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1102-1106.	2.1	53
40	Substrate-Dependent Nonlinear Effects in Proline-Thiourea-Catalyzed Aldol Reactions: Unraveling the Role of the Thiourea Co-Catalyst. <i>Chemistry - A European Journal</i> , 2010, 16, 1142-1148.	1.7	82
41	Enantioselective Organocatalytic Addition of Oxazolones to 1,1-Bis(phenylsulfonyl)ethylene: A Convenient Asymmetric Synthesis of Quaternary α -Amino Acids. <i>Chemistry - A European Journal</i> , 2010, 16, 5354-5361.	1.7	72
42	Asymmetric Organocatalytic Rearrangement Reactions. <i>Chemistry - A European Journal</i> , 2010, 16, 5260-5273.	1.7	59
43	Enantioselective Organocatalytic Addition of Azlactones to Maleimides: A Highly Stereocontrolled Entry to 2,2-Disubstituted α -Oxazolones. <i>Chemistry - A European Journal</i> , 2010, 16, 9884-9889. ^{1.7}	1.7	85
44	Searching for Untrodden Paths in Organocatalysis Territory. <i>Synlett</i> , 2010, 2010, 1883-1908.	1.0	1
45	Asymmetric organocatalytic Michael addition of azlactones to cis-1,2-bis(phenylsulfonyl)ethene. A simple entry to quaternary α -amino acids. <i>New Journal of Chemistry</i> , 2010, 34, 1816.	1.4	25
46	Organocatalytic synthesis of spiro compounds via a cascade Michael-Michael-aldol reaction. <i>Chemical Communications</i> , 2010, 46, 6953.	2.2	219
47	En Route to New Chiral Ferrocene Derivatives: Dead Ends, Detours, and Avenues. <i>Synlett</i> , 2009, 2009, 1863-1886.	1.0	10
48	Highly Enantio- and Diastereoselective Organocatalytic Desymmetrization of Prochiral Cyclohexanones by Simple Direct Aldol Reaction Catalyzed by Proline. <i>Chemistry - A European Journal</i> , 2009, 15, 6564-6568.	1.7	102
49	Formal Highly Enantioselective Organocatalytic Addition of Fluoromethyl Anion to α,β -Unsaturated Aldehydes. <i>Chemistry - A European Journal</i> , 2009, 15, 7035-7038.	1.7	91
50	Formal Highly Enantioselective Organocatalytic Addition of Alkyl Anions to α,β -Unsaturated Aldehydes: Application to the Synthesis of Isotope-Enantiomers. <i>Chemistry - A European Journal</i> , 2009, 15, 11095-11099.	1.7	61
51	Frank Model and Spontaneous Emergence of Chirality in Closed Systems. <i>ChemPhysChem</i> , 2009, 10, 2123-2131.	1.0	95
52	Highly Regio- and Diastereoselective Oxazolone Addition to Nitrostyrenes. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 199-203.	1.2	44
53	Asymmetric Organocatalytic Cyclopropanation - Highly Stereocontrolled Synthesis of Chiral Cyclopropanes with Quaternary Stereocenters. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3075-3080.	1.2	82
54	Organocatalytic kinetic resolution of a planar-chiral ferrocenecarbaldehyde. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1314-1318.	1.8	33

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55	Highly enantioselective organocatalytic synthesis of piperidines. Formal synthesis of (âˆ—)-Paroxetine. <i>Tetrahedron Letters</i> , 2009, 50, 1943-1946.	0.7	92
56	Enantioselective addition of anthrones to $\hat{1}\pm, \hat{1}^2$ -unsaturated aldehydes. <i>Tetrahedron Letters</i> , 2009, 50, 3067-3069.	0.7	26
57	Highly enantioselective fluoromalonate addition to $\hat{1}\pm, \hat{1}^2$ -unsaturated aldehydes. <i>Tetrahedron Letters</i> , 2009, 50, 5021-5024.	0.7	58
58	Enantioselective addition of oxindoles to aliphatic $\hat{1}\pm, \hat{1}^2$ -unsaturated aldehydes. <i>Tetrahedron Letters</i> , 2009, 50, 6624-6626.	0.7	45
59	A Mild and Convenient Synthesis of 4-Tosyl-4,5-dihydrooxazoles. <i>Letters in Organic Chemistry</i> , 2009, 6, 293-296.	0.2	4
60	Enantioselective organocatalytic Mannich reactions of ferrocenecarbaldehyde. <i>Tetrahedron Letters</i> , 2008, 49, 6559-6562.	0.7	34
61	Enantiocontrolled Preparation of the First Stable $\hat{1}\pm$ -Ferrocenylalanine Derivatives. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2388-2396.	1.2	9
62	Diastereoselective addition of organozinc and organomagnesium reagents to 2-(2â€²-pyrimidyl)ferrocenecarbaldehyde. <i>Tetrahedron</i> , 2008, 64, 3953-3959.	1.0	8
63	A highly stereocontrolled route to 2-(2â€²-oxiranyl)piperidines and pyrrolidines: enantioselective synthesis of (+)- $\hat{1}\pm$ -conhydrine. <i>Tetrahedron Letters</i> , 2008, 49, 6866-6869.	0.7	10
64	An efficient, general synthesis of racemic 2-substituted ferrocenecarboxaldehydes. <i>Tetrahedron</i> , 2007, 63, 1907-1912.	1.0	11
65	Metal-dependant stereoselectivity in the Pauson-Khand cyclization of N-propargyl- $\hat{1}^3$ -amino vinyl sulfones. <i>Arkivoc</i> , 2007, 2007, 132-156.	0.3	2
66	Salicylaldehyde Schiff bases derived from 2-ferrocenyl-2-amino alcohols. Part 1: New chiral ligands for the titanium-catalyzed enantioselective cyanation of aldehydes. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 1089-1103.	1.8	24
67	Salicylaldehyde Schiff bases derived from 2-ferrocenyl-2-amino alcohols. Part 2: Stereochemical divergence in the titanium-promoted enantioselective diketene addition to benzaldehyde. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 1104-1110.	1.8	13
68	Asymmetric Dihydroxylation of 2-Substituted 1-Vinylferrocenes: The First Non-Enzymatic Kinetic Resolution of Planar-Chiral Ferrocenes. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 2590-2596.	2.1	52
69	Catalytic Asymmetric Dihydroxylation of 1-Substituted-1-ferrocenylethenes: An Enantioselective Entry to Chiral Tertiary Ferrocenylcarbinols and Ferrocenylalkylamines. <i>Journal of Organic Chemistry</i> , 2006, 71, 2528-2531.	1.7	14
70	Chiral cyclopentadiene-mediated approach to enantioselective heterobimetallic Pauson-Khand reactions. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 358-362.	0.8	22
71	Oxazoline-Mediated Interannular Cyclopalladation of Ferrocene: Chiral Palladium(II) Catalysts for the Enantioselective Aza-Claisen Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1865-1869.	7.2	142
72	Oxazoline-Mediated Interannular Cyclopalladation of Ferrocene: Chiral Palladium(II) Catalysts for the Enantioselective Aza-Claisen Rearrangement. <i>Angewandte Chemie</i> , 2005, 117, 1899-1903.	1.6	30

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73	Oxazoline-Mediated Interannular Cyclopalladation of Ferrocene: Chiral Palladium(II) Catalysts for the Enantioselective Aza-Claisen Rearrangement.. ChemInform, 2005, 36, no.	0.1	1
74	1- ϵ^2 -Carbopalladated-4-ferrocenyl-1,3-oxazolines as Catalysts for Heck Reactions: Further Evidence in Support of the Pd(0)/Pd(II) Mechanism.. ChemInform, 2005, 36, no.	0.1	0
75	1- ϵ^2 -Carbopalladated-4-ferrocenyl-1,3-oxazolines as catalysts for Heck reactions: Further evidence in support of the Pd(0)/Pd(II) mechanism. Journal of Organometallic Chemistry, 2005, 690, 2291-2296.	0.8	35
76	1-Amino-1-ferrocenyl-2-methyl-2-propanol: a case study on the conformational control of asymmetric induction. Tetrahedron: Asymmetry, 2005, 16, 1763-1778.	1.8	20
77	Boron trifluoride-induced reactions of phenylglycidyl ethers: a convenient synthesis of enantiopure, stereodefined fluorohydrins. Tetrahedron Letters, 2004, 45, 6337-6341.	0.7	30
78	Enantiodivergent, Catalytic Asymmetric Synthesis of β^3 -Amino Vinyl Sulfones. Journal of Organic Chemistry, 2003, 68, 5075-5083.	1.7	14
79	Reversing the Stereoselectivity of the Intermolecular Pauson-Khand Reaction: α -Formation ofendo-Fused Norbornadiene Adducts. Organic Letters, 2002, 4, 1205-1208.	2.4	30
80	β^2 -Ferrocenyl- β^2 -amino alcohols: a new class of central chiral ferrocene derivatives. Journal of Organometallic Chemistry, 2002, 642, 212-226.	0.8	37
81	4-Ferrocenyl-1,3-oxazoline derivatives as ligands for catalytic asymmetric allylation reactions. Journal of Organometallic Chemistry, 2002, 660, 62-70.	0.8	31
82	An intramolecular Pauson-Khand approach to the synthesis of chiral cyclopentadienes. Tetrahedron Letters, 2002, 43, 1023-1026.	0.7	17
83	Sulphur ylide-mediated stereoselective synthesis of a stable ferrocenyl epoxide. Tetrahedron Letters, 2002, 43, 3475-3479.	0.7	23
84	Heterobimetallic (Co-W) intermolecular Pauson-Khand reactions: scope and selectivity. Tetrahedron Letters, 2002, 43, 4903-4906.	0.7	24
85	Asymmetric Pauson-Khand Reactions Using Camphor-Derived Chelating Thiols as Chiral Controllers. Journal of Organic Chemistry, 2001, 66, 6400-6409.	1.7	45
86	Photochemistry of 3-Substituted Bicyclo[3.1.0]hex-3-en-2-ones. Regioselective Synthesis of Ortho-Substituted Phenols by Pauson-Khand Reaction. Organic Letters, 2001, 3, 3197-3200.	2.4	26
87	Intermolecular Pauson-Khand Reactions of Cyclopropene: A General Synthesis of Cyclopentanones. Organic Letters, 2001, 3, 3193-3196.	2.4	40
88	Bornane-2,10-sultam: a highly efficient chiral controller and mechanistic probe for the intermolecular Pauson-Khand reaction. Tetrahedron: Asymmetry, 2001, 12, 1837-1850.	1.8	14
89	A new method for the enantioselective synthesis of N-Boc- β^1, β^1 -disubstituted β^1 -amino acids. Tetrahedron, 2001, 57, 6367-6374.	1.0	40
90	A convenient synthesis of chiral 2-alkynyl-1,3-oxazolines. Tetrahedron: Asymmetry, 2000, 11, 4407-4416.	1.8	13

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91	A Concise Enantioselective Entry to the Synthesis of Deoxy-azasugars. <i>Organic Letters</i> , 2000, 2, 93-95.	2.4	43
92	Tris(pyrrolyl)phosphine-Substituted Acetylene π -Dicobaltcarbonyl Complexes: Syntheses, Structural Characterization, and Reactivity Studies. <i>Organometallics</i> , 2000, 19, 1704-1712.	1.1	17
93	Highly Enantioselective Addition of Diethylzinc to Diphenylphosphinoyl Imines under Dual Amino Alcohol/Halosilane Mediation. <i>Organic Letters</i> , 2000, 2, 3157-3159.	2.4	63
94	A New Chiral Bidentate (P,S) Ligand for the Asymmetric Intermolecular Pauson π -Khand Reaction. <i>Journal of the American Chemical Society</i> , 2000, 122, 10242-10243.	6.6	103
95	Acetylene π -Dicobaltcarbonyl Complexes with Chiral Phosphinooxazoline Ligands: Synthesis, Structural Characterization, and Application to Enantioselective Intermolecular Pauson π -Khand Reactions. <i>Journal of the American Chemical Society</i> , 2000, 122, 7944-7952.	6.6	50
96	A convergent, stereocontrolled synthesis of C ₂ -symmetrical and pseudosymmetrical sulfur-tethered bis(amino alcohols). <i>Tetrahedron Letters</i> , 1999, 40, 3913-3916.	0.7	14
97	An enantioselective entry to linear, C ₂ -symmetrical and pseudosymmetrical 1,6-diamino-2,5-diols. <i>Tetrahedron Letters</i> , 1999, 40, 3917-3920.	0.7	7
98	A totally stereocontrolled route to N-methyl- β -amino- β -hydroxy acids: Asymmetric synthesis of the amino acid component of hapalosin. <i>Tetrahedron Letters</i> , 1999, 40, 9309-9312.	0.7	21
99	Enantioselective synthesis of unsaturated amino acids using p-methoxybenzylamine as an ammonia equivalent. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 4639-4651.	1.8	33
100	Alkyne Dicobalt Carbonyl Complexes with Sulfide Ligands. Synthesis, Crystal Structure, and Dynamic Behavior. <i>Organometallics</i> , 1999, 18, 4275-4285.	1.1	19
101	A New Family of Modular Chiral Ligands for the Catalytic Enantioselective Reduction of Prochiral Ketones. <i>Journal of Organic Chemistry</i> , 1999, 64, 7902-7911.	1.7	69
102	Highly Efficient Synthesis of Enantiomerically Pure (S)-2-Amino-1,2,2-triphenylethanol. Development of a New Family of Ligands for the Highly Enantioselective Catalytic Ethylation of Aldehydes. <i>Journal of Organic Chemistry</i> , 1999, 64, 3969-3974.	1.7	67
103	Tandem Aminocarbonylation/Pauson-Khand Reaction of Haloacetylenes. <i>Organic Letters</i> , 1999, 1, 1981-1984.	2.4	28
104	A Superior, Readily Available Enantiopure Ligand for the Catalytic Enantioselective Addition of Diethylzinc to β -Substituted Aldehydes. <i>Journal of Organic Chemistry</i> , 1998, 63, 7078-7082.	1.7	115
105	A General, Catalytic, and Enantioselective Synthesis of (S)- β -[(S)-1-Aminoalkyl]- β -lactones. <i>Journal of Organic Chemistry</i> , 1998, 63, 3560-3567.	1.7	21
106	Synthesis of a Family of Fine-Tunable New Chiral Ligands for Catalytic Asymmetric Synthesis. Ligand Optimization through the Enantioselective Addition of Diethylzinc to Aldehydes. <i>Journal of Organic Chemistry</i> , 1997, 62, 4970-4982.	1.7	89
107	Ready access to stereodefined β -hydroxy- β -amino acids. Enantioselective synthesis of fully protected cyclohexylstatine. <i>Tetrahedron</i> , 1996, 52, 7063-7086.	1.0	73
108	A convenient, stereodivergent approach to the enantioselective synthesis of N-Boc-aminoalkyl epoxides. <i>Tetrahedron Letters</i> , 1995, 36, 3019-3022.	0.7	43