

Luca Bernardi

List of Publications by Year in descending order

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76
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160
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160
docs citations

160
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4398
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#	ARTICLE	IF	CITATIONS
1	Stereodivergent entry to β^2 -branched β^2 -trifluoromethyl β^1 -amino acid derivatives by sequential catalytic asymmetric reactions. <i>Chemical Science</i> , 2021, 12, 10233-10241.	7.4	15
2	Catalyst- and Substrate-Dependent Chemodivergent Reactivity of Stabilised Sulfur Ylides with Salicylaldehydes. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3053-3059.	4.3	7
3	Asymmetric Organocatalysis and Continuous Chemistry for an Efficient and Cost-Competitive Process to Pregabalin. <i>Organic Process Research and Development</i> , 2021, 25, 2795-2805.	2.7	9
4	Chemodivergent Preparation of Various Heterocycles via Phase-Transfer Catalysis: Enantioselective Synthesis of Functionalized Piperidines. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1167-1175.	4.3	10
5	Sulfoxonium ylides: simple compounds with chameleonic reactivity. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8793-8809.	2.8	86
6	An Entry to Enantioenriched 3,3-Disubstituted Phthalides through Asymmetric Phase-Transfer-Catalyzed β^3 -Alkylation. <i>Journal of Organic Chemistry</i> , 2020, 85, 7476-7484.	3.2	10
7	Asymmetric trifluoromethylthiolation of azlactones under chiral phase transfer catalysis. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2914-2920.	2.8	10
8	Synergistic Palladium-Phosphoric Acid Catalysis in (3 + 2) Cycloaddition Reactions between Vinylcyclopropanes and Imines. <i>Catalysts</i> , 2020, 10, 150.	3.5	9
9	Blue Chemistry. Marine Polysaccharide Biopolymers in Asymmetric Catalysis: Challenges and Opportunities. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3779-3795.	2.4	10
10	Central-to-Axial Chirality Conversion Approach Designed on Organocatalytic Enantioselective Povarov Cycloadditions: First Access to Configurationally Stable Indole-Quinoline Atropisomers. <i>Chemistry - A European Journal</i> , 2019, 25, 15694-15701.	3.3	62
11	Enantioselective organocatalytic approaches to active pharmaceutical ingredients – selected industrial examples. <i>Physical Sciences Reviews</i> , 2019, 4, .	0.8	16
12	Alginate: A Versatile Biopolymer for Functional Advanced Materials for Catalysis. <i>Studies in Surface Science and Catalysis</i> , 2019, , 357-375.	1.5	10
13	Adsorption of a Chiral Amine on Alginate Gel Beads and Evaluation of its Efficiency as Heterogeneous Enantioselective Catalyst. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3842-3849.	2.4	11
14	β^3 -Regioselective Functionalization of β^3 -Alkenylindoles via 1,6-Addition to Extended Alkylideneindolenine Intermediates. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1296-1302.	4.3	10
15	An organocatalytic enantioselective direct β^1 -heteroarylation of aldehydes with isoquinoline <i>N</i> -oxides. <i>Chemical Communications</i> , 2018, 54, 3977-3980.	4.1	16
16	Catalytic Enantioselective Povarov Reactions of Ferrocenecarbaldehyde-Derived Imines – Brønsted Acid Catalysis at Parts-per-Million Level Loading. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 893-900.	4.3	21
17	Nucleophilic Dearomatization of Activated Pyridines. <i>Catalysts</i> , 2018, 8, 632.	3.5	83
18	Nucleophilic Dearomatization of Pyridines under Enamine Catalysis: Regio-, Diastereo-, and Enantioselective Addition of Aldehydes to Activated <i>N</i> -Alkylpyridinium Salts. <i>Organic Letters</i> , 2017, 19, 834-837.	4.6	51

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19	Diverse exploitation of Brønsted acid catalysts “ paving the way for simple access to enantioenriched amines. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1651-1654.	4.5	1
20	Enantioselective Approaches to 3,4-Annulated Indoles Using Organocatalytic Domino Reactions. <i>Synlett</i> , 2017, 28, 1530-1543.	1.8	16
21	Dynamic control over catalytic function using responsive bithiourea catalysts. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8285-8294.	2.8	21
22	Sodium and acidic alginate foams with hierarchical porosity: Preparation, characterization and efficiency as a dye adsorbent. <i>Carbohydrate Polymers</i> , 2017, 178, 78-85.	10.2	35
23	Organocatalytic Asymmetric Sulfa-Michael Addition of 2-Aminothiophenols to Chalcones: First Enantioselective Access to 2,3,4,5-tetrahydro-1,5-benzothiazepines. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 49-52.	2.4	19
24	Self-healing alginate-gelatin biohydrogels based on dynamic covalent chemistry: elucidation of key parameters. <i>Materials Chemistry Frontiers</i> , 2017, 1, 73-79.	5.9	77
25	A General Catalytic Enantioselective Transfer Hydrogenation Reaction of 1,2-Disubstituted Nitroalkenes Promoted by a Simple Organocatalyst. <i>Molecules</i> , 2016, 21, 1000.	3.8	13
26	Organocatalytic Enantioselective Transfer Hydrogenation of 1-Amino Nitroolefins. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1561-1565.	4.3	22
27	An Atropisomerically Enforced Phosphoric Acid for Organocatalytic Asymmetric Reactions. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3208-3216.	2.4	14
28	Reversible modulation of the activity of thiourea catalysts with anions: a simple approach to switchable asymmetric catalysis. <i>RSC Advances</i> , 2016, 6, 66490-66494.	3.6	6
29	Catalytic Enantioselective Addition of Indoles to Activated <i>N</i> -Benzylpyridinium Salts: Nucleophilic Dearomatization of Pyridines with Unusual C-4 Regioselectivity. <i>ACS Catalysis</i> , 2016, 6, 6473-6477.	11.2	77
30	Catalytic Asymmetric Reactions of 4-Substituted Indoles with Nitroethene: A Direct Entry to Ergot Alkaloid Structures. <i>Chemistry - A European Journal</i> , 2015, 21, 17578-17582.	3.3	46
31	Organocatalytic Asymmetric Conjugate Additions to Cyclopent-1-enecarbaldehyde: A Critical Assessment of Organocatalytic Approaches towards the Telaprevir Bicyclic Core. <i>Chemistry - A European Journal</i> , 2015, 21, 19208-19222.	3.3	15
32	The Emergence of Quinone Methides in Asymmetric Organocatalysis. <i>Molecules</i> , 2015, 20, 11733-11764.	3.8	287
33	Catalytic Asymmetric Addition of Meldrum's Acid, Malononitrile, and 1,3-Dicarbonyls to <i>ortho</i> -Quinone Methides Generated In Situ Under Basic Conditions. <i>Chemistry - A European Journal</i> , 2015, 21, 6037-6041.	3.3	106
34	Alginic acid aerogel: a heterogeneous Brønsted acid promoter for the direct Mannich reaction. <i>New Journal of Chemistry</i> , 2015, 39, 4222-4226.	2.8	29
35	Catalytic highly enantioselective transfer hydrogenation of 1-trifluoromethyl nitroalkenes. An easy and general entry to optically active 1-trifluoromethyl amines. <i>Chemical Communications</i> , 2015, 51, 658-660.	4.1	33
36	Catalytic Asymmetric Aza-Diels-Alder Reactions: The Povarov Cycloaddition Reaction. <i>Synthesis</i> , 2014, 46, 135-157.	2.3	123

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37	Asymmetric synthesis of 3,4-annulated indoles through an organocatalytic cascade approach. <i>Chemical Communications</i> , 2014, 50, 445-447.	4.1	33
38	Dual stereocontrol over the Henry reaction using a light- and heat-triggered organocatalyst. <i>Chemical Communications</i> , 2014, 50, 7773.	4.1	90
39	Catalytic highly enantioselective vinylogous Povarov reaction. <i>Chemical Communications</i> , 2013, 49, 880-882.	4.1	58
40	Chitosan Aerogel Beads as a Heterogeneous Organocatalyst for the Asymmetric Aldol Reaction in the Presence of Water: An Assessment of the Effect of Additives. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 588-594.	2.4	51
41	Experimental and Computational Investigation of the 1,3-Dipolar Cycloaddition of the Ynamide <i>tert</i> -Butyl N-Ethynyl N-phenylcarbamate with <i>C</i> -Carboxymethyl N-phenylnitrilimine. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 8108-8114.	2.4	3
42	Bioinspired organocatalytic asymmetric reactions. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2911.	2.8	101
43	Solvent-Free Non-Covalent Organocatalysis: Enantioselective Addition of Nitroalkanes to Alkylideneindolenines as a Flexible Gateway to Optically Active Tryptamine Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1373-1380.	4.3	43
44	Organocatalytic trifluoromethylation of imines using phase-transfer catalysis with phenoxides. A general platform for catalytic additions of organosilanes to imines. <i>Chemical Communications</i> , 2012, 48, 1428-1430.	4.1	57
45	Organocatalytic Asymmetric Mannich Reactions in the Preparation of Enantioenriched α -Amino Acid Derivatives. <i>Current Organic Chemistry</i> , 2011, 15, 2210-2226.	1.6	19
46	An Easy Entry to Optically Active Spiroindolinones: Chiral Brønsted Acid-Catalysed Pictet-Spengler Reactions of Isatins. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 860-864.	4.3	149
47	Organocatalytic Asymmetric Wittig Reactions: Generation of Enantioenriched Axially Chiral Olefins Breaking a Symmetry Plane. <i>Synlett</i> , 2011, 2011, 2745-2749.	1.8	7
48	Regiocontrolled Synthesis of Ring-Fused Thienopyrazoles through 1,3-Dipolar Cycloaddition of Nitrile Imines with Sulfur-Based Acetylenes. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6440-6447.	2.4	33
49	Catalytic Asymmetric Inverse-Electron-Demand (IED) [4+2] Cycloaddition of Salicylaldimines: Preparation of Optically Active α -Aminobenzopyran Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 3399-3406.	4.3	52
50	Asymmetric Diels-Alder Reactions of Vinylindoles Using Organocatalysis. <i>Synthesis</i> , 2010, 2010, 161-170.	2.3	7
51	Chitosan aerogel: a recyclable, heterogeneous organocatalyst for the asymmetric direct aldol reaction in water. <i>Chemical Communications</i> , 2010, 46, 6288.	4.1	150
52	Organocatalytic asymmetric Povarov reactions with 2- and 3-vinylindoles. <i>Chemical Communications</i> , 2010, 46, 327-329.	4.1	165
53	One-Pot Synthesis of Optically Active β -Amino- α -methylene Carbonyl Derivatives From α -Amidosulfones Using Quinine-Based Phase-Transfer Catalysts. <i>Organic Process Research and Development</i> , 2010, 14, 687-691.	2.7	20
54	Asymmetric Synthesis of β -Diaminophosphonic Acid Derivatives with a Catalytic Enantioselective Mannich Reaction. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2283-2287.	4.3	30

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55	Catalytic Asymmetric Mannich Reactions of Sulfonylacetates. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5694-5697.	13.8	80
56	Catalytic Asymmetric Conjugate Addition of Nitroalkanes to 4-Nitro-5-styrylisoxazoles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9342-9345.	13.8	137
57	Organocatalytic Asymmetric Formal [3 + 2] Cycloaddition with in Situ-Generated <i>N</i> -Carbamoyl Nitrones. <i>Journal of the American Chemical Society</i> , 2009, 131, 9614-9615.	13.7	99
58	Organocatalytic Asymmetric Diels-Alder Reactions of β -Vinylindoles. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9236-9239.	13.8	217
59	Organocatalytic Asymmetric Conjugate Addition to Allenic Esters and Ketones. <i>Journal of the American Chemical Society</i> , 2008, 130, 4897-4905.	13.7	101
60	An easy entry to optically active β -amino phosphonic acid derivatives using phase-transfer catalysis (PTC). <i>Chemical Communications</i> , 2008, , 4345.	4.1	42
61	Organocatalyzed Enantioselective Synthesis of Nitroalkanes Bearing All-Carbon Quaternary Stereogenic Centers through Conjugate Addition of Acetone Cyanohydrin. <i>Synlett</i> , 2008, 2008, 1857-1861.	1.8	9
62	Organocatalysis in the Asymmetric Synthesis of Nitrogen-Containing Compounds: How and Why. <i>Chimia</i> , 2007, 61, 224-231.	0.6	10
63	Organocatalytic Asymmetric 1,6-Additions of β -Ketoesters and Glycine Imine. <i>Journal of the American Chemical Society</i> , 2007, 129, 5772-5778.	13.7	142
64	Organocatalytic Asymmetric Direct β -Alkynylation of Cyclic β -Ketoesters. <i>Journal of the American Chemical Society</i> , 2007, 129, 441-449.	13.7	153
65	Organocatalytic Asymmetric Mannich Reactions with <i>N</i> -Boc and <i>N</i> -Cbz Protected β -Amido Sulfones (Boc: <i>tert</i> -Butoxycarbonyl, Cbz: Benzyloxycarbonyl). <i>Chemistry - A European Journal</i> , 2007, 13, 8338-8351.	3.3	113
66	Organocatalytic Enantioselective Decarboxylative Addition of Malonic Half Thioesters to Imines. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1037-1040.	4.3	112
67	Organocatalytic asymmetric aza-Michael reaction: enantioselective addition of <i>O</i> -benzylhydroxylamine to chalcones. <i>Tetrahedron Letters</i> , 2007, 48, 7805-7808.	1.4	53
68	Direct Access to Enantiomerically Enriched β -Amino Phosphonic Acid Derivatives by Organocatalytic Asymmetric Hydrophosphonylation of Imines. <i>Journal of Organic Chemistry</i> , 2006, 71, 6269-6272.	3.2	137
69	Phase Transfer Catalyzed Enantioselective Strecker Reactions of β -Amido Sulfones with Cyanohydrins. <i>Journal of Organic Chemistry</i> , 2006, 71, 9869-9872.	3.2	81
70	Enantioselective aza-Henry reaction using cinchona organocatalysts. <i>Tetrahedron</i> , 2006, 62, 375-380.	1.9	138
71	Catalytic Enantioselective Friedel-Crafts Alkylation of Indoles with Nitroalkenes by Using a Simple Thiourea Organocatalyst. <i>ChemInform</i> , 2006, 37, no.	0.0	0
72	Organocatalytic Enantioselective Nucleophilic Vinylic Substitution. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6551-6554.	13.8	110

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73	Towards the Synthesis of Highly Functionalized Chiral $\hat{\pm}$ -Amino Nitriles by Aminative Cyanation and Their Synthetic Applications. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 207-217.	2.4	6
74	Phase-Transfer-Catalyzed Enantioselective Mannich Reaction of Malonates with $\hat{\pm}$ -Amido Sulfones. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 2043-2046.	4.3	74
75	A Broadened Scope for the Use of Hydrazones as Neutral Nucleophiles in the Presence of H-Bonding Organocatalysts. <i>Synlett</i> , 2006, 2006, 239-242.	1.8	31
76	Chiral oxazoline-1,3-dithianes: new effective nitrogen-sulfur donating ligands in asymmetric catalysis. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3232-3240.	1.8	12
77	One-Pot Synthesis of Novel Enantiomerically Pure and Racemic 4-Ferrocenyl- $\hat{1}^2$ -lactams and Their Reactivity in Acidic Media. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 3326-3333.	2.4	16
78	Catalytic Enantioselective Friedel-Crafts Alkylation of Indoles with Nitroalkenes by Using a Simple Thiourea Organocatalyst. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6576-6579.	13.8	429
79	Phase-Transfer-Catalyzed Asymmetric Aza-Henry Reaction Using N-Carbamoyl Imines Generated In Situ from $\hat{\pm}$ -Amido Sulfones. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7975-7978.	13.8	170
80	Organocatalyzed Solvent-Free Aza-Henry Reaction: A Breakthrough in the One-Pot Synthesis of 1,2-Diamines.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
81	Synthesis of γ -Hydrazino Ketones via Regio- and Stereoselective Electrophilic Amination of Manganese Enolates and Enamines.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
82	Enantioselective Chlorination and Fluorination of $\hat{1}^2$ -Keto Phosphonates Catalyzed by Chiral Lewis Acids.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
83	An Easy Approach to Optically Active $\hat{\pm}$ -Amino Phosphonic Acid Derivatives by Chiral Zn(II)-Catalyzed Enantioselective Amination of Phosphonates.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
84	Synthesis and Chemistry of New Central and Planar Chiral Sulfur-Containing Ferrocenyl Compounds. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 1273-1277.	1.6	6
85	An Easy Approach to Optically Active $\hat{\pm}$ -Amino Phosphonic Acid Derivatives by Chiral Zn(II)-Catalyzed Enantioselective Amination of Phosphonates. <i>Journal of the American Chemical Society</i> , 2005, 127, 5772-5773.	13.7	120
86	Enantioselective chlorination and fluorination of $\hat{1}^2$ -keto phosphonates catalyzed by chiral Lewis acids. <i>Chemical Communications</i> , 2005, , 1324-1326.	4.1	108
87	A New and Practical Procedure for the Bruylants Reaction. Zinc-Mediated Synthesis of Tertiary Homoallylamines and $\hat{1}^2$ -Aminoesters.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
88	Cyclopenta[b]thiophene-alkyloxazolines: New Nitrogen-Sulfur Hybrid Ligands and Their Use in Asymmetric Palladium-Catalyzed Allylic Alkylation.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
89	First 1,3-dipolar cycloaddition of Z- $\hat{\pm}$ -phenyl-N-methylnitrone with allylic fluorides: a stereoselective route to enantiopure fluorine-containing isoxazolidines and amino polyols. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 245-250.	1.8	22
90	Cyclopenta[b]thiophene-alkyloxazolines: new nitrogen-sulfur hybrid ligands and their use in asymmetric palladium-catalyzed allylic alkylation. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 1043-1051.	1.8	13

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91	Synthesis of new central and planar chiral enantiomerically pure 5-ferrocenyl-oxazolines and a 5-ferrocenyl-thiazoline. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 1133-1140.	1.8	17
92	Organocatalyzed Solvent-Free Aza-Henry Reaction: A Breakthrough in the One-Pot Synthesis of 1,2-Diamines. <i>Journal of Organic Chemistry</i> , 2004, 69, 8168-8171.	3.2	69
93	Synthesis of $\hat{\pm}$ -Hydrazino Ketones via Regio- and Stereoselective Electrophilic Amination of Manganese Enolates and Enamines. <i>Journal of Organic Chemistry</i> , 2004, 69, 8525-8528.	3.2	28
94	Diastereoselective additions of organometallic reagents to (SFC)-2-p-tolylsulfanylferrocene carboxyaldehyde and to (SFC)-2-p-tolylsulfanyl ferrocenyl imines. Synthesis of new central and planar chiral ferrocenyl alcohols and amines.. <i>Arkivoc</i> , 2004, 2004, 72-90.	0.5	1
95	Organometallic Reactions in Aqueous Media: Indium-Promoted Additions to 2-Pyridyl and Glyoxylic Acid Oxime Ethers.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
96	Concise and Stereocontrolled Synthesis of Pseudo-C2-symmetric Diamino Alcohols and Triamines for Use in HIV Protease Inhibitors. <i>Journal of Organic Chemistry</i> , 2003, 68, 1418-1425.	3.2	21
97	Organometallic Reactions in Aqueous Media: Indium-Promoted Additions to 2-Pyridyl and Glyoxylic Acid Oxime Ethers. <i>Journal of Organic Chemistry</i> , 2003, 68, 3348-3351.	3.2	36
98	Catalytic Asymmetric Mannich Reactions of Glycine Derivatives with Imines. A New Approach to Optically Active $\hat{\pm}$, $\hat{1}^2$ -Diamino Acid Derivatives. <i>Journal of Organic Chemistry</i> , 2003, 68, 2583-2591.	3.2	160
99	A New and Practical Procedure for the Bruylants Reaction. Zinc-Mediated Synthesis of Tertiary Homoallylamines and $\hat{1}^2$ -Aminoesters. <i>Synlett</i> , 2003, 2003, 1778-1782.	1.8	22
100	Investigation of Squaramide Catalysts in the Aldol Reaction en Route to Funapide. <i>European Journal of Organic Chemistry</i> , 0, , .	2.4	3