

# Armando Carlone

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

5,318  
citations

159358

30  
h-index

155451

55  
g-index

82  
all docs

82  
docs citations

82  
times ranked

3675  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Aminocatalysis "Gold Rush in Organic Chemistry. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6138-6171.	7.2	1,175
2	An autonomous chemically fuelled small-molecule motor. <i>Nature</i> , 2016, 534, 235-240.	13.7	370
3	Organocatalytic Asymmetric Friedel-Crafts Alkylation of Indoles with Simple $\alpha,\beta$ -Unsaturated Ketones. <i>Organic Letters</i> , 2007, 9, 1403-1405.	2.4	300
4	A New Approach for an Organocatalytic Multicomponent Domino Asymmetric Reaction. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1101-1104.	7.2	245
5	A Rotaxane-Based Switchable Organocatalyst. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5166-5169.	7.2	232
6	A simple asymmetric organocatalytic approach to optically active cyclohexenones. <i>Chemical Communications</i> , 2006, , 4928-4930.	2.2	204
7	Organocatalytic Asymmetric Hydrophosphination of $\alpha,\beta$ -Unsaturated Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4504-4506.	7.2	164
8	Organocatalytic Asymmetric Conjugate Addition of 1,3-Dicarbonyl Compounds to Maleimides. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4966-4970.	7.2	147
9	Organocatalytic Asymmetric Sulfa-Michael Addition to $\alpha,\beta$ -Unsaturated Ketones. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 49-53.	2.1	145
10	Asymmetric Aminolysis of Aromatic Epoxides: A Facile Catalytic Enantioselective Synthesis of anti- $\beta$ -Amino Alcohols. <i>Organic Letters</i> , 2004, 6, 2173-2176.	2.4	116
11	A Three-Compartment Chemically-Driven Molecular Information Ratchet. <i>Journal of the American Chemical Society</i> , 2012, 134, 8321-8323.	6.6	115
12	Quaternary Stereogenic Carbon Atoms in Complex Molecules by an Asymmetric, Organocatalytic, Triple-Cascade Reaction. <i>Chemistry - A European Journal</i> , 2008, 14, 4788-4791.	1.7	104
13	Organocatalytic Asymmetric $\alpha$ -Selenenylation of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6882-6885.	7.2	99
14	Aminocatalytic Enantioselective anti-Mannich Reaction of Aldehydes with In-Situ Generated $N$ -Cbz and $N$ -Boc Imines. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8700-8702.	7.2	98
15	Organocatalytic asymmetric hydrophosphination of nitroalkenes. <i>Chemical Communications</i> , 2007, , 722-724.	2.2	93
16	Organocatalytic Asymmetric $\alpha$ -Halogenation of 1,3-Dicarbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6219-6222.	7.2	91
17	Asymmetric Catalytic Synthesis of Enantiopure $N$ -Protected 1,2-Amino Alcohols. <i>Organic Letters</i> , 2004, 6, 3973-3975.	2.4	89
18	Organocatalytic Asymmetric $\alpha$ -Hydroxylation of $\alpha,\beta$ -Unsaturated Ketones. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5492-5495.	1.2	79

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19	Magnesium perchlorate as efficient Lewis acid for the Knoevenagel condensation between $\beta^2$ -diketones and aldehydes. <i>Tetrahedron Letters</i> , 2008, 49, 2555-2557.	0.7	79
20	Reaction of Dicarbonates with Carboxylic Acids Catalyzed by Weak Lewis Acids: General Method for the Synthesis of Anhydrides and Esters. <i>Synthesis</i> , 2007, 2007, 3489-3496.	1.2	57
21	Direct Catalytic Synthesis of Enantiopure 5-Substituted Oxazolidinones from Racemic Terminal Epoxides. <i>Organic Letters</i> , 2005, 7, 1983-1985.	2.4	53
22	Alcohols and Di-tert-butyl Dicarboxylate: How the Nature of the Lewis Acid Catalyst May Address the Reaction to the Synthesis of tert-Butyl Ethers. <i>Journal of Organic Chemistry</i> , 2006, 71, 9580-9588.	1.7	44
23	A Small Molecule that Walks Non-Directionally Along a Track Without External Intervention. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5480-5483.	7.2	43
24	tert-Butyl Ethers: Renaissance of an Alcohol Protecting Group. Facile Cleavage with Cerium(III) Chloride/Sodium Iodide. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 905-910.	2.1	32
25	Organocatalysis and Beyond: Activating Reactions with Two Catalytic Species. <i>Catalysts</i> , 2019, 9, 928.	1.6	26
26	Boron-Based Lewis Acid Catalysis: Challenges and Perspectives. <i>Catalysts</i> , 2022, 12, 5.	1.6	26
27	The First Simple Method of Protection of Hydroxy Compounds as their O-Boc Derivatives under Lewis Acid Catalysis. <i>Synlett</i> , 2006, 2006, 2104-2108.	1.0	22
28	Kinetic Resolution of Oxazinones: Rational Exploration of Chemical Space through the Design of Experiments. <i>Chemistry - A European Journal</i> , 2014, 20, 11768-11775.	1.7	21
29	Advancements in the recycling of organocatalysts: From classical to alternative approaches. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 25, 100387.	3.2	19
30	A New, Mild, General and Efficient Route to Aryl Ethyl Carbonates in Solvent-Free Conditions Promoted by Magnesium Perchlorate. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 4429-4434.	1.2	18
31	Enantioselective organocatalytic approaches to active pharmaceutical ingredients – selected industrial examples. <i>Physical Sciences Reviews</i> , 2019, 4, .	0.8	16
32	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.	1.7	15
33	NMR relaxation time measurements of solvent effects in an organocatalysed asymmetric aldol reaction over silica SBA-15 supported proline. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 269-274.	1.9	14
34	Iridium(III) Complexes with Fluorinated Phenyl-tetrazoles as Cyclometalating Ligands: Enhanced Excited-State Energy and Blue Emission. <i>Inorganic Chemistry</i> , 2020, 59, 16238-16250.	1.9	12
35	Influence of structurally related micelle forming surfactants on the antioxidant activity of natural substances. <i>Chemistry and Physics of Lipids</i> , 2019, 225, 104818.	1.5	10
36	Magnesium Perchlorate as Efficient Lewis Acid: A Simple and Convenient Route to 1,4-Dihydropyridines. <i>Synlett</i> , 2007, 2007, 2897-2901.	1.0	9

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37	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.	1.3	9
38	Triarylborane catalysed <i>N</i> -alkylation of amines with aryl esters. <i>Catalysis Science and Technology</i> , 2020, 10, 7523-7530.	2.1	8
39	DoE-Driven Development of an Organocatalytic Enantioselective Addition of Acetaldehyde to Nitrostyrenes in Water**. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	7
40	Organocatalyzed Michael Addition to Nitroalkenes via Masked Acetaldehyde. <i>Catalysts</i> , 2020, 10, 1296.	1.6	6
41	Asymmetric Organocatalysis Accelerated via Self-Assembled Minimal Structures. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 5403-5406.	1.2	6
42	Insights into Substituent Effects of Benzaldehyde Derivatives in a Heterogeneous Organocatalyzed Aldol Reaction. <i>ChemCatChem</i> , 2022, 14, .	1.8	6
43	Palladium-catalyzed regio- and stereoselective synthesis of aryl and 3-indolyl-substituted 4-methylene-3,4-dihydroisoquinolin-1(2 <i>H</i> )-ones. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1084-1091.	1.3	5
44	Impact of Design of Experiments in the Optimisation of Catalytic Reactions in Academia. <i>Synthesis</i> , 2022, 54, 4246-4256.	1.2	4
45	Turning renewable feedstocks into a valuable and efficient punctually chiral phosphate salt catalyst. <i>Asian Journal of Organic Chemistry</i> , 0, , .	1.3	2
46	Polycationic Rhodium-Phosphine Polymers Supported on Phosphotungstic Acid/Al <sub>2</sub> O <sub>3</sub> by Multiple Electrostatic Attractions. <i>ACS Catalysis</i> , 2022, 12, 2034-2044.	5.5	2
47	Diverse exploitation of Brønsted acid catalysts "paving the way for simple access to enantioenriched amines. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1651-1654.	2.3	1
48	Asymmetric Aminolysis of Aromatic Epoxides: A Facile Catalytic Enantioselective Synthesis of anti-1,2-Amino Alcohols.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
49	Asymmetric Catalytic Synthesis of Enantiopure N-Protected 1,2-Amino Alcohols.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
50	Direct Catalytic Synthesis of Enantiopure 5-Substituted Oxazolidinones from Racemic Terminal Epoxides.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
51	Organocatalytic Asymmetric $\alpha$ -Halogenation of 1,3-Dicarbonyl Compounds.. <i>ChemInform</i> , 2006, 37, no.	0.1	0
52	Organocatalytic Asymmetric $\alpha$ -Halogenation of 1,3-Dicarbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 340-340.	7.2	0
53	Inside Back Cover: A Small Molecule that Walks Non-Directionally Along a Track Without External Intervention ( <i>Angew. Chem. Int. Ed.</i> 22/2012). <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5505-5505.	7.2	0