

# Manuel Alcarazo

## List of Publications by Year in descending order

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95  
papers

5,601  
citations

81900

39  
h-index

79698

73  
g-index

102  
all docs

102  
docs citations

102  
times ranked

3561  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordination Chemistry of Ene-1,1-diamines and a Prototype $\sigma$ -Carbodicarbene. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3210-3214.	13.8	423
2	Coordination chemistry at carbon. <i>Nature Chemistry</i> , 2009, 1, 295-301.	13.6	343
3	Imidazo[1,5-a]pyridine: A Versatile Architecture for Stable N-Heterocyclic Carbenes. <i>Journal of the American Chemical Society</i> , 2005, 127, 3290-3291.	13.7	310
4	Steering the Surprisingly Modular $\pi$ -Acceptor Properties of N-Heterocyclic Carbenes: Implications for Gold Catalysis. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2542-2546.	13.8	263
5	Effective Modulation of the Donor Properties of N-Heterocyclic Carbene Ligands by $\sigma$ -Through-Space Communication within a Planar Chiral Scaffold. <i>Journal of the American Chemical Society</i> , 2007, 129, 12676-12677.	13.7	256
6	Synthesis, Structure, and Reactivity of a Dihydrido Borenium Cation. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8400-8403.	13.8	142
7	Catalysis-Based and Protecting-Group-Free Total Syntheses of the Marine Oxylipins Hybridalactone and the Ecklonialactones A, B, and C. <i>Journal of the American Chemical Society</i> , 2011, 133, 13471-13480.	13.7	136
8	Exploring the Reactivity of Carbon(0)/Borane-Based Frustrated Lewis Pairs. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5788-5791.	13.8	131
9	Imidazo[1,5-a]pyridin-3-ylidene/Thioether Mixed C/S Ligands and Complexes Thereof. <i>Organometallics</i> , 2007, 26, 2570-2578.	2.3	128
10	Polycationic Ligands in Gold Catalysis: Synthesis and Applications of Extremely $\pi$ -Acidic Catalysts. <i>Journal of the American Chemical Society</i> , 2013, 135, 18815-18823.	13.7	123
11	Exploiting the $\pi$ -Acceptor Properties of Carbene-Stabilized Phosphorus Centered Trications [L <sub>3</sub> P] <sup>3+</sup> : Applications in Pt(II) Catalysis. <i>Journal of the American Chemical Society</i> , 2012, 134, 16753-16758.	13.7	121
12	Enantioselective Synthesis of [6]Carbohelicenes. <i>Journal of the American Chemical Society</i> , 2017, 139, 1428-1431.	13.7	111
13	Synthetic Applications of Sulfonium Salts. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2486-2500.	2.0	111
14	Protecting-Group-Free and Catalysis-Based Total Synthesis of the Ecklonialactones. <i>Journal of the American Chemical Society</i> , 2010, 132, 11042-11044.	13.7	108
15	Cyclopropenylidene-Stabilized Diaryl and Dialkyl Phosphenium Cations: Applications in Homogeneous Gold Catalysis. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3799-3802.	13.8	108
16	Synthesis, Structure, and Applications of $\pi$ -Cationic Phosphines. <i>Accounts of Chemical Research</i> , 2016, 49, 1797-1805.	15.6	108
17	Carbenes Stabilized by Ylides: Pushing the Limits. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8302-8306.	13.8	105
18	$\pi$ -Cationic Phosphines: Synthesis and Applications. <i>Chemistry - A European Journal</i> , 2014, 20, 7868-7877.	3.3	98

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19	Metal-Free Hydrogenation of Electron-Poor Allenes and Alkenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12367-12369.	13.8	93
20	Stabilization of a Two-Coordinate [GeCl] <sup>+</sup> Cation by Simultaneous $\pi$ and $\sigma$ -Donation from a Monodentate Carbodiphosphorane. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5644-5647.	13.8	92
21	Synthesis and Coordination Properties of Nitrogen(I)-Based Ligands. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3680-3683.	13.8	90
22	Heterolytic Si $\chi$ S Bond Cleavage by a Purely Carbogenic Frustrated Lewis Pair. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8389-8391.	13.8	88
23	Enantioselective Synthesis of 1,12-Disubstituted [4]Helicenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5660-5664.	13.8	80
24	TADDOL-Derived Cationic Phosphonites: Toward an Effective Enantioselective Synthesis of [6]Helicenes via Au-Catalyzed Alkyne Hydroarylation. <i>ACS Catalysis</i> , 2018, 8, 6079-6085.	11.2	78
25	Synthesis, Structure, and Reactivity of Carbene-Stabilized Phosphorus(III)-Centered Trications [L <sub>3</sub> P] <sup>3+</sup> . <i>Journal of the American Chemical Society</i> , 2011, 133, 20758-20760.	13.7	77
26	Tuning the Lewis Acidity of Boranes in Frustrated Lewis Pair Chemistry: Implications for the Hydrogenation of Electron-Poor Alkenes. <i>Chemistry - A European Journal</i> , 2013, 19, 11016-11020.	3.3	74
27	Synthesis, Structure, and Applications of Pyridiniophosphines. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8732-8736.	13.8	74
28	Dihalo(imidazolium)sulfuranes: A Versatile Platform for the Synthesis of New Electrophilic Group-Transfer Reagents. <i>Journal of the American Chemical Society</i> , 2015, 137, 8704-8707.	13.7	73
29	5-(Alkynyl)dibenzothiophenium Triflates: Sulfur-Based Reagents for Electrophilic Alkynylation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12538-12542.	13.8	68
30	Synthesis, Structure, and Applications of N-Dialkylamino-N <sup>-</sup> -alkylimidazol-2-ylidenes as a New Type of NHC Ligands. <i>Organometallics</i> , 2006, 25, 6039-6046.	2.3	65
31	$\lambda^{\pm}$ -Dicationic Chelating Phosphines: Synthesis and Application to the Hydroarylation of Dienes. <i>Journal of the American Chemical Society</i> , 2017, 139, 4948-4953.	13.7	65
32	1,3-Bis(N,N-dialkylamino)imidazolin-2-ylidenes: A Synthesis and Reactivity of a New Family of Stable N-Heterocyclic Carbenes. <i>Journal of the American Chemical Society</i> , 2004, 126, 13242-13243.	13.7	63
33	Synthesis, Structure, and Reactivity of 5-(Aryl)dibenzothiophenium Triflates. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1950-1955.	13.8	63
34	Pyracenebis(imidazolylidene): A New Janus-Type Biscarbene and Its Coordination to Rhodium and Iridium. <i>Organometallics</i> , 2012, 31, 4623-4626.	2.3	59
35	Gold-Catalyzed Atroposelective Synthesis of 1,1'-Binaphthalene-2,3'-diols. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5647-5650.	13.8	59
36	Coordination Chemistry of Cyclopropenylidene-Stabilized Phosphenium Cations: Synthesis and Reactivity of Pd and Pt Complexes. <i>Chemistry - A European Journal</i> , 2014, 20, 2208-2214.	3.3	49

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37	Î±-Cationic Arsines: Synthesis, Structure, Reactivity, and Applications. <i>Journal of the American Chemical Society</i> , 2016, 138, 6869-6877.	13.7	45
38	Enantioselective Synthesis of 1-Aryl Benzo[5]helicenes Using BINOL-Derived Cationic Phosponites as Ancillary Ligands. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23527-23531.	13.8	44
39	Î±-Diazo Sulfonium Triflates: Synthesis, Structure, and Application to the Synthesis of 1-(Dialkylamino)-1,2,3-triazoles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6943-6948.	13.8	44
40	A New Class of Singlet Carbene Ligands. <i>Chemistry - A European Journal</i> , 2010, 16, 9746-9749.	3.3	42
41	Stereoselective Synthesis of Rhodium(I) 4-(Dialkylamino)triazol-5-ylidene Complexes. <i>Organometallics</i> , 2008, 27, 4555-4564.	2.3	40
42	Regio- and Stereoselective Chlorocyanation of Alkynes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13401-13405.	13.8	40
43	Synthesis and Structure of Carbene-Stabilized N-Centered Cations [L <sub>2</sub> N] <sup>+</sup> , [L <sub>2</sub> NR] <sup>2+</sup> , [LNR <sub>3</sub> ] <sup>2+</sup> , and [L <sub>3</sub> N] <sup>3+</sup> . <i>Chemistry - A European Journal</i> , 2013, 19, 3542-3546.	3.3	39
44	<i>i</i> -N-Arylpyridiniophosphines: Synthesis, Structure, and Applications in Au(I) Catalysis. <i>ACS Catalysis</i> , 2018, 8, 10457-10463.	11.2	39
45	5-(Cyano)dibenzothiophenium Triflate: A Sulfur-Based Reagent for Electrophilic Cyanation and Cyanocyclizations. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9496-9500.	13.8	39
46	Synthesis and Spectroelectrochemical Studies of Mixed Heteroleptic Chelate Complexes of Ruthenium(II) with 1,8-Bis(2-pyridyl)-3,6-dithiaoctane (pdto) and Substituted 1,10-Phenanthrolines. <i>Inorganic Chemistry</i> , 2003, 42, 1825-1834.	4.0	37
47	Alkynylthioimidazolium Salts: Efficient Reagents for the Synthesis of Alkynyl Sulfides by Electrophilic Thioalkynylation. <i>Chemistry - A European Journal</i> , 2017, 23, 75-78.	3.3	35
48	Enantioselective Conjugate Addition of N,N-Dialkylhydrazones to Î±-Hydroxy Enones. <i>Organic Letters</i> , 2007, 9, 2867-2870.	4.6	33
49	Fullerenes as Neutral Carbon-Based Lewis Acids. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1523-1524.	13.8	33
50	Bis(cyclopropenium)phosphines: Synthesis, Reactivity, and Applications. <i>Chemistry - A European Journal</i> , 2016, 22, 15320-15327.	3.3	32
51	Synthesis, structure and electronic properties of N-dialkylamino- and N-alkoxy-1,2,4-triazol-3-ylidene ligands. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 5979-5988.	1.8	31
52	Enantioselective Synthesis of 1,12-Disubstituted [4]Helicenes. <i>Angewandte Chemie</i> , 2020, 132, 5709-5713.	2.0	31
53	Î±-Radical Phosphines: Synthesis, Structure, and Reactivity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8790-8794.	13.8	30
54	Synthesis and reactivity of Î±-cationic phosphines: the effect of imidazolium and amidinium substituents. <i>Dalton Transactions</i> , 2016, 45, 1872-1876.	3.3	29

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55	Enantioselective Synthesis of Dithia[5]helicenes and their Postsynthetic Functionalization to Access Dithia[9]helicenes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	26
56	Applications of $\hat{\pm}$ -Cationic Phosphines as Ancillary Ligands in Homogeneous Catalysis. <i>Chemistry Letters</i> , 2019, 48, 1-13.	1.3	25
57	Synthesis of $\hat{\pm}$ -Hydroxyhydrazones from Aldehydes. <i>Synlett</i> , 2001, 2001, 1158-1160.	1.8	22
58	5-(Alkynyl)dibenzothiophenium Triflates: Sulfur-Based Reagents for Electrophilic Alkynylation. <i>Angewandte Chemie</i> , 2018, 130, 12718-12722.	2.0	22
59	Gold-Catalyzed Atroposelective Synthesis of 1,1'-Binaphthalene-2,3'-Diols. <i>Angewandte Chemie</i> , 2020, 132, 5696-5699.	2.0	22
60	Dicationic phosphonium salts: Lewis acid initiators for the Mukaiyama-aldol reaction. <i>Dalton Transactions</i> , 2017, 46, 16216-16227.	3.3	20
61	Synthesis of Cycloheptatrienes, Oxepines, Thiepinines, and Silepinines: A Comparison between Brønsted Acid and Au-Catalysis. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6245-6254.	2.4	19
62	Synthesis and Reactivity of Metal Complexes with Acyclic (Amino)(Ylide)Carbene Ligands. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11392-11395.	13.8	18
63	Isomerization and Dimerization of Indocyanine Green and a Related Heptamethine Dye. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4791-4796.	2.4	18
64	Bis[(dialkylamino)cyclopropenimine]-Stabilized P <sup>III</sup> - and P <sup>V</sup> -Centered Dications. <i>Chemistry - A European Journal</i> , 2015, 21, 10829-10834.	3.3	17
65	Regio- and Stereoselective Chlorocyanation of Alkynes. <i>Angewandte Chemie</i> , 2017, 129, 13586-13590.	2.0	17
66	Synthesis of 6-H-Benzo[ <i>c</i> ]chromene Scaffolds from <i>o</i> -Benzylated Phenols through a C-H Sulfenylation/Radical Cyclization Sequence. <i>Organic Letters</i> , 2021, 23, 1991-1995.	4.6	17
67	$\hat{\pm}$ -Cationic Phospholes: Synthesis and Applications as Ancillary Ligands. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22779-22784.	13.8	16
68	Protein Conjugation by Electrophilic Alkynylation Using 5-(Alkynyl)dibenzothiophenium Triflates. <i>Bioconjugate Chemistry</i> , 2021, 32, 1570-1575.	3.6	15
69	Reductive Elimination of C <sub>6</sub> F <sub>5</sub> -C <sub>6</sub> F <sub>5</sub> from Pd(II) Complexes: Influence of $\hat{\pm}$ -Dicationic Chelating Phosphines. <i>Organometallics</i> , 2018, 37, 665-672.	2.3	14
70	Two-Step Synthesis of Unsymmetrical Diaryl Sulfides by Electrophilic Thiolation of Nonfunctionalized (Hetero)arenes. <i>Chemistry - A European Journal</i> , 2018, 24, 15026-15035.	3.3	14
71	5-(Cyano)dibenzothiophenium Triflate: A Sulfur-Based Reagent for Electrophilic Cyanation and Cyanocyclizations. <i>Angewandte Chemie</i> , 2019, 131, 9596-9600.	2.0	12
72	Synthesis, Structure, and Reactivity of 5-(Aryl)dibenzothiophenium Triflates. <i>Angewandte Chemie</i> , 2020, 132, 1966-1971.	2.0	12

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73	Enantioselective Synthesis of 1-aryl Benzo[5]helicenes Using BINOL-Derived Cationic Phosphonites as Ancillary Ligands. <i>Angewandte Chemie</i> , 2020, 132, 23733-23737.	2.0	12
74	Reactivity of 5-(Alkynyl)dibenzothiophenium Salts: Synthesis of Diynes, Vinyl Sulfoxones, and Phenanthrenes. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4038-4048.	2.4	12
75	In-Fjord Substitution in Expanded Helicenes: Effects of the Insert on the Inversion Barrier and Helical Pitch. <i>Chemistry - A European Journal</i> , 2021, 27, 13358-13366.	3.3	12
76	Radical Phosphines: Synthesis, Structure, and Reactivity. <i>Angewandte Chemie</i> , 2017, 129, 8916-8920.	2.0	11
77	Frustrated Lewis Pairs: An Elegant Concept for Catalysis. <i>Synlett</i> , 2014, 25, 1519-1520.	1.8	10
78	Stereoselective synthesis of cationic heterobidentate C(NHC)/SR rhodium(I) complexes using stereodirecting N,N-dialkylamino groups. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1557-1562.	1.8	9
79	Bis- and Tris(pyrazolyl)borate/Methane-stabilized P <sup>III</sup> -Centered Cations. <i>Chemistry - A European Journal</i> , 2014, 20, 8575-8578.	3.3	8
80	Electrophilic Cyanative Alkenylation of Arenes. <i>Organic Letters</i> , 2020, 22, 4932-4937.	4.6	8
81	Two-Step Synthesis of Heptacyclo[6.6.0.0 <sup>2,6</sup> .0 <sup>3,13</sup> .0 <sup>4,11</sup> .0 <sup>5,9</sup> .0 <sup>10,14</sup> ] <sub>13.8</sub> tetradecane from Norbornadiene: Mechanism of the Cage Assembly and Post-synthetic Functionalization. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23299-23305.	13.8	7
82	5-(Diarylimino)- and 5-(sulfoximido)dibenzothiophenium triflates: syntheses and applications as electrophilic aminating reagents. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2941-2948.	2.8	6
83	On the Reactivity of Tetrakis(trifluoromethyl)cyclopentadienone towards Carbon-Based Lewis Bases. <i>Chemistry - A European Journal</i> , 2015, 21, 2744-2749.	3.3	5
84	Towards an Effective Synthesis of Difunctionalized Heptacyclo[6.6.0.0 <sup>2,6</sup> .0 <sup>3,13</sup> .0 <sup>4,11</sup> .0 <sup>5,9</sup> .0 <sup>10,14</sup> ]tetradecane: Ligand Effects on the Cage Assembly and Selective C-H Arylation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3546-3553.	4.3	5
85	Diazo Sulfonium Triflates: Synthesis, Structure, and Application to the Synthesis of 1-(Dialkylamino)-1,2,3-triazoles. <i>Angewandte Chemie</i> , 2021, 133, 7019-7024.	2.0	4
86	Cationic Phosphines: from Curiosities to Powerful Ancillary Ligands. <i>Synlett</i> , 2022, 33, 16-26.	1.8	3
87	Polyfluorinated Cyclopentadienones as Lewis Acids. <i>Synlett</i> , 2014, 25, 1539-1541.	1.8	2
88	Orientation and conformation of two [6]carbohelicenes in stretched polystyrene and a thermoresponsive polyaspartate. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 961-967.	1.9	2
89	Synthesis of Alkynylthiopyridinium Salts and Their Use as Thioketene Equivalents. <i>Chemistry - A European Journal</i> , 2019, 25, 10472-10477.	3.3	2
90	Kationische Phosphole: Synthese und Anwendungen als Liganden. <i>Angewandte Chemie</i> , 2020, 132, 22969-22975.	2.0	2

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91	At the Frontiers of Knowledge in Chemistry: The 47th BÃ¼rgenstock Conference. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8151-8154.	13.8	0
92	PROFILE: Early Excellence in <i>Physical Organic Chemistry</i> . <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 765-765.	1.9	0
93	Two-Step Synthesis of Heptacyclo[6.6.0.0 <sup>2,6</sup> .0 <sup>3,13</sup> .0 <sup>4,11</sup> .0 <sup>5,9</sup> .0 <sup>10,14</sup> ], tetradecane from Norbornadiene: Mechanism of the Cage Assembly and Post-synthetic Functionalization. <i>Angewandte Chemie</i> , 2020, 132, 23499-23505.	2.0	0
94	Polymorphism of bis(1,3-benzothiazol-2-yl) trithiocarbonate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 1126-1130.	0.5	0
95	Enantioselective Synthesis of Dithia[5]helicenes and their Postsynthetic Functionalization to Access Dithia[9]helicenes. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0