

# Jose Manuel Seco

## List of Publications by Year in descending order

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47  
papers

3,666  
citations

172457

29  
h-index

243625

44  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2564  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Assignment of Absolute Configuration by NMR. <i>Chemical Reviews</i> , 2004, 104, 17-118.	47.7	952
2	A practical guide for the assignment of the absolute configuration of alcohols, amines and carboxylic acids by NMR. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 2915-2925.	1.8	312
3	MTPA vs MPA in the Determination of the Absolute Configuration of Chiral Alcohols by <sup>1</sup> H NMR. <i>Journal of Organic Chemistry</i> , 1996, 61, 8569-8577.	3.2	178
4	Assignment of the Absolute Configuration of Polyfunctional Compounds by NMR Using Chiral Derivatizing Agents. <i>Chemical Reviews</i> , 2012, 112, 4603-4641.	47.7	175
5	Determining the Absolute Stereochemistry of Secondary/Secondary Diols by <sup>1</sup> H NMR: A Basis and Applications. <i>Journal of Organic Chemistry</i> , 2005, 70, 3778-3790.	3.2	154
6	Chiral Amplification and Helical Sense Tuning by Mono- and Divalent Metals on Dynamic Helical Polymers. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11692-11696.	13.8	150
7	Conformational Structure and Dynamics of Arylmethoxyacetates: DNMR Spectroscopy and Aromatic Shielding Effect. <i>Journal of Organic Chemistry</i> , 1995, 60, 504-515.	3.2	115
8	Controlled modulation of the helical sense and the elongation of poly(phenylacetylene)s by polar and donor effects. <i>Chemical Science</i> , 2013, 4, 2735.	7.4	111
9	Are Both the (R)- and the (S)-MPA Esters Really Needed for the Assignment of the Absolute Configuration of Secondary Alcohols by NMR? The Use of a Single Derivative. <i>Journal of the American Chemical Society</i> , 1998, 120, 877-882.	13.7	100
10	Nanospheres with Tunable Size and Chirality from Helical Polymer-Metal Complexes. <i>Journal of the American Chemical Society</i> , 2012, 134, 19374-19383.	13.7	99
11	Control of the Helicity of Poly(phenylacetylene)s: From the Conformation of the Pendant to the Chirality of the Backbone. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1430-1433.	13.8	85
12	The assignment of absolute configurations by NMR of arylmethoxyacetate derivatives: is this methodology being correctly used?. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 2781-2791.	1.8	72
13	The ON/OFF switching by metal ions of the "Sergeants and Soldiers" chiral amplification effect on helical poly(phenylacetylene)s. <i>Chemical Science</i> , 2014, 5, 2170-2176.	7.4	71
14	Choosing the Right Reagent for the Determination of the Absolute Configuration of Amines by NMR: MTPA or MPA?. <i>Journal of Organic Chemistry</i> , 1997, 62, 7569-7574.	3.2	70
15	New chirality recognizing reagents for the determination of absolute stereochemistry and enantiomeric purity by NMR. <i>Tetrahedron Letters</i> , 1994, 35, 2921-2924.	1.4	68
16	Determination of the Absolute Stereochemistry of Chiral Amines by <sup>1</sup> H NMR of Arylmethoxyacetic Acid Amides: The Conformational Model. <i>Journal of Organic Chemistry</i> , 1995, 60, 1538-1545.	3.2	61
17	Absolute Configuration of Secondary Alcohols by <sup>1</sup> H NMR: In Situ Complexation of $\pm$ -Methoxyphenylacetic Acid Esters with Barium(II). <i>Journal of Organic Chemistry</i> , 2002, 67, 4579-4589.	3.2	61
18	Boc-Phenylglycine: The Reagent of Choice for the Assignment of the Absolute Configuration of $\pm$ -Chiral Primary Amines by <sup>1</sup> H NMR Spectroscopy. <i>Journal of Organic Chemistry</i> , 1999, 64, 4669-4675.	3.2	59

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19	Absolute Configuration of 1,n-Diols by NMR: The Importance of the Combined Anisotropic Effects in Bis-Arylmethoxyacetates. <i>Organic Letters</i> , 2000, 2, 3261-3264.	4.6	55
20	Mix and Shake Method for Configurational Assignment by NMR: Application to Chiral Amines and Alcohols. <i>Organic Letters</i> , 2003, 5, 2979-2982.	4.6	51
21	Resin-Bound Chiral Derivatizing Agents for Assignment of Configuration by NMR Spectroscopy. <i>Journal of Organic Chemistry</i> , 2008, 73, 5714-5722.	3.2	49
22	Determining factors in the assignment of the absolute configuration of alcohols by NMR. The use of anisotropic effects on remote positions. <i>Tetrahedron</i> , 1997, 53, 8541-8564.	1.9	48
23	9-Anthrylmethoxyacetic acid esterification shifts Correlation with the absolute stereochemistry of secondary alcohols. <i>Tetrahedron</i> , 1999, 55, 569-584.	1.9	43
24	Determination of the absolute configuration of alcohols by low temperature <sup>1</sup> H NMR of aryl(methoxy)acetates. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 107-110.	1.8	41
25	<sup>13</sup> C NMR as a general tool for the assignment of absolute configuration. <i>Chemical Communications</i> , 2010, 46, 7903.	4.1	41
26	The Prediction of the Absolute Stereochemistry of Primary and Secondary 1,2-Diols by <sup>1</sup> H NMR Spectroscopy: Principles and Applications. <i>Chemistry - A European Journal</i> , 2005, 11, 5509-5522.	3.3	39
27	Role of Barium(II) in the Determination of the Absolute Configuration of Chiral Amines by <sup>1</sup> H NMR Spectroscopy. <i>Journal of Organic Chemistry</i> , 2006, 71, 1119-1130.	3.2	39
28	Chiral 1,2-Diols: The Assignment of Their Absolute Configuration by NMR Made Easy. <i>Organic Letters</i> , 2010, 12, 208-211.	4.6	36
29	Challenging the absence of observable hydrogens in the assignment of absolute configurations by NMR: application to chiral primary alcohols. <i>Chemical Communications</i> , 2007, , 1456-1458.	4.1	31
30	Simultaneous enantioresolution and assignment of absolute configuration of secondary alcohols by directly coupled HPLC-NMR of 9-AMA esters. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 2149-2153.	1.8	29
31	The Assignment of the Absolute Configuration of 1,2-Diols by Low-Temperature NMR of a Single MPA Derivative. <i>Organic Letters</i> , 2005, 7, 4855-4858.	4.6	28
32	Chiral Thiols: The Assignment of Their Absolute Configuration by <sup>1</sup> H NMR. <i>Organic Letters</i> , 2007, 9, 5015-5018.	4.6	28
33	Boc-phenylglycine: a chiral solvating agent for the assignment of the absolute configuration of amino alcohols and their ethers by NMR. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 1825-1829.	1.8	26
34	Relative and Absolute Stereochemistry of Secondary/Secondary Diols: Low-Temperature <sup>1</sup> H NMR of Their bis-MPA Esters. <i>Journal of Organic Chemistry</i> , 2007, 72, 2297-2301.	3.2	25
35	The <sup>1</sup> H NMR Method for the Determination of the Absolute Configuration of 1,2,3-prim,sec,sec-Triols. <i>Organic Letters</i> , 2006, 8, 4449-4452.	4.6	24
36	Assigning the Configuration of Amino Alcohols by NMR: A Single Derivatization Method. <i>Organic Letters</i> , 2008, 10, 2733-2736.	4.6	24

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37	Cross Interaction Between Auxiliaries: The Chirality of Amino Alcohols by NMR. <i>Organic Letters</i> , 2008, 10, 2729-2732.	4.6	22
38	Absolute Configuration of Ketone Cyanohydrins by <sup>1</sup> H NMR: The Special Case of Polar Substituted Tertiary Alcohols. <i>Organic Letters</i> , 2009, 11, 53-56.	4.6	22
39	Helical Polymer-Metal Complexes: The Role of Metal Ions on the Helicity and the Supramolecular Architecture of Poly(phenylacetylene)s. <i>Advances in Polymer Science</i> , 2013, , 123-140.	0.8	20
40	The assignment of absolute configuration of cyanohydrins by NMR. <i>Chemical Communications</i> , 2006, , 1422.	4.1	19
41	Using a Combination of Magnetic Anisotropic Effects for the Configurational Assignment of Amino Alcohols. <i>Chemistry - an Asian Journal</i> , 2010, 5, 2106-2112.	3.3	8
42	The Use of a Single Derivative in the Configurational Assignment of Ketone Cyanohydrins. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6520-6524.	2.4	7
43	Incorrect procedure for the assignment of the absolute configuration of carbonucleosides by NMR: MPA must not be used with primary alcohols. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 919-921.	1.8	4
44	RESOLUTION OF RACEMIC MIXTURES OF CARBOCYCLIC ANALOGUES OF NUCLEOSIDES AND ASSIGNMENT OF THEIR ABSOLUTE CONFIGURATION. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001, 20, 1359-1361.	1.1	3
45	The Assignment of Absolute Configuration by NMR. <i>ChemInform</i> , 2004, 35, no.	0.0	0
46	The Assignment of the Absolute Configuration of 1,2-Diols by Low-Temperature NMR of a Single MPA Derivative.. <i>ChemInform</i> , 2006, 37, no.	0.0	0
47	Absolute Stereochemistry by NMR Spectroscopy. , 2017, , 1-14.		0