Raquel G Soengas

List of Publications by Year
in descending order

97	1,335	361413	477307
papers	citations	20 h-index	29 g-index

134	134	134	1152
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyhydroxylated Cyclopentane Î²-Amino Acids Derived from <scp>d</scp>-Mannose and <scp>d</scp>-Galactose: Synthesis and Protocol for Incorporation into Peptides. ACS Omega, 2022, 7, 2002-2014.	3.5	2
2	A Câ§S-Cyclometallated Gold(III) Complex as a Novel Antibacterial Candidate Against Drug-Resistant Bacteria. Frontiers in Microbiology, 2022, 13, 815622.	3.5	8
3	Gold-Derived Molecules as New Antimicrobial Agents. Frontiers in Microbiology, 2022, 13, 846959.	3.5	16
4	A cooperative zinc/catalytic indium system for the stereoselective sequential synthesis of (E)-1,3-dienes from carbonyl compounds. Organic Chemistry Frontiers, 2021, 8, 591-598.	4.5	5
5	Modern Synthetic Methods for the Stereoselective Construction of 1,3-Dienes. Molecules, 2021, 26, 249.	3.8	39
6	Therapeutic Potential of Glycosyl Flavonoids as Anti-Coronaviral Agents. Pharmaceuticals, 2021, 14, 546.	3.8	18
7	Microalgae and Cyanobacteria Strains as Producers of Lipids with Antibacterial and Antibiofilm Activity. Marine Drugs, 2021, 19, 675.	4.6	16
8	SmI2-promoted cross coupling reaction of N-2-bromoethylphthalimide and carbonyl compounds: Synthesis of Î±-aryl-Î±â€²-hydroxy ketones. Tetrahedron, 2020, 76, 130839.	1.9	3
9	Chemotaxonomic Profiling Through <scp>NMR</scp>¹. Journal of Phycology, 2020, 56, 521-539.	2.3	3
10	Solventâ€Controlled Hydrogenation of 2â€™â€Hydroxychalcones: A Simple Solution to the Total Synthesis of Bussealins. Advanced Synthesis and Catalysis, 2020, 362, 5422-5431.	4.3	7
11	Chlorosphaerolactylates Aâ€“D: Natural Lactylates of Chlorinated Fatty Acids Isolated from the Cyanobacterium Sphaerospermopsis sp. LEGE 00249. Journal of Natural Products, 2020, 83, 1885-1890.	3.0	14
12	New Morphiceptin Peptidomimetic Incorporating (1S,2R,3S,4S,5R)-2-Amino-3,4,5-trihydroxycyclopen-tane-1-carboxylic acid: Synthesis and Structural Study. Molecules, 2020, 25, 2574.	3.8	2
13	Use of NMR for the Analysis and Quantification of the Sugar Composition in Fresh and Store-Bought Fruit Juices. Journal of Chemical Education, 2020, 97, 831-837.	2.3	11
14	Ionic Liquids and Ohmic Heating in Combination for Pd-Catalyzed Cross-Coupling Reactions: Sustainable Synthesis of Flavonoids. Molecules, 2020, 25, 1564.	3.8	13
15	Temperatureâ€Controlled Stereodivergent Synthesis of 2,2â€²â€Biflavanones Promoted by Samarium Diiodide. Chemistry - A European Journal, 2019, 25, 13104-13108.	3.3	8
16	NMR characterization and evaluation of antibacterial and antiobiofilm activity of organic extracts from stationary phase batch cultures of five marine microalgae (Dunaliella sp., D. salina, Chaetoceros) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.9	31
17	Recent Advances in the Chemistry and Biology of Spirocyclic Nucleosides. Topics in Heterocyclic Chemistry, 2019, , 171-213.	0.2	3
18	Synthesis of carbohydrate-derived (Z)-vinyl halides and silanes: Samarium-promoted stereoselective 1,2-elimination on sugar-derived Î±-halomethylcarbinol acetates. Tetrahedron, 2018, 74, 5475-5480.	1.9	5

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19	Immobilized Gold Nanoparticles Prepared from Gold(III)-Containing Ionic Liquids on Silica: Application to the Sustainable Synthesis of Propargylamines. Molecules, 2018, 23, 2975.	3.8	16
20	Synthesis of P-Stereogenic Benzoazaphosphole 1-Oxides via Alkynylation of P-Stereogenic ortho-Aurated and ortho-Iodo Phosphinic Amides. ACS Omega, 2018, 3, 5116-5124.	3.5	4
21	Chalcones and Chromones in Copper-Catalyzed Azideâ€“Alkyne Cycloadditions (CuAAC). Current Organic Chemistry, 2018, 22, 1307-1325.	1.6	6
22	Synthesis of Spironucleosides: Past and Future Perspectives. Molecules, 2017, 22, 2028.	3.8	19
23	Natural Occurrence, Synthesis and Biological Applications of Spermidine Alkaloids. Current Organic Chemistry, 2017, 21, 546-558.	1.6	7
24	Metal-Mediated Debromination of gem-Dibromoalkenes under Mild Conditions. Synlett, 2016, 27, 1096-1099.	1.8	5
25	Synthesis of 3-(2-nitrovinyl)-4H-chromones: useful scaffolds for the construction of biologically relevant 3-(pyrazol-5-yl)chromones. Tetrahedron, 2016, 72, 3198-3203.	1.9	11
26	Ohmic Heating and Ionic Liquids in Combination for the Indiumâ€Promoted Synthesis of 1â€Halo Alkenyl Compounds: Applications to Pdâ€Catalysed Crossâ€Coupling Reactions. European Journal of Organic Chemistry, 2016, 2016, 99-107.	2.4	21
27	A new spermidine macrocyclic alkaloid isolated from Gymnosporia arenicola leaf. FÃ¬toterapÃ¬Ã¢, 2015, 106, 7-11.	2.2	7
28	General Preparation of 1â€Substituted (E)â€1,3â€Dienes under Mild Conditions. European Journal of Organic Chemistry, 2015, 2015, 2524-2530.	2.4	5
29	Indium-Mediated Debromination of gem-Bromonitroalkanes under Mild Conditions in Aqueous Medium. Synlett, 2014, 25, 1561-1564.	1.8	4
30	Stereoselective Synthesis of Orthogonally Protected 1,2-Diaminoinositols from d-Mannose. Synlett, 2014, 25, 2217-2220.	1.8	0
31	Preparation of indium nitronates and their Henry reactions. Organic and Biomolecular Chemistry, 2014, 12, 8593-8597.	2.8	6
32	Recent Developments in the Chemistry of gemâ€Halonitro Compounds. European Journal of Organic Chemistry, 2014, 2014, 6339-6359.	2.4	16
33	Stereocontrolled transformation of nitrohexofuranoses into cyclopentylamines via 2-oxabicyclo[2.2.1]heptanes. Part 6: synthesis and incorporation into peptides of the first reported 2,3-dihydroxycyclopentanecarboxylic acid. Tetrahedron: Asymmetry, 2014, 25, 583-590.	1.8	4
34	Domino Reaction of Iodoglycosides: Synthesis of Carbohydrateâ€Based Nitroalkenes. European Journal of Organic Chemistry, 2013, 2013, 5022-5027.	2.4	5
35	Synthesis of Highly Functionalized Enantiopure Halocyclopropanes Derived from Carbohydrates. European Journal of Organic Chemistry, 2013, 2013, 4953-4961.	2.4	4
36	Synthesis of Enantiopure 2-C-Glycosyl-3-nitrochromenes. Journal of Organic Chemistry, 2013, 78, 12831-12836.	3.2	19

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37	One-pot synthesis of vicinal aminoalkanols from sugar aldehydes. Tetrahedron, 2013, 69, 3425-3431.	1.9	9
38	Preparation of sugar-derived 1,2-diamines via indium-catalyzed aza-Henry-type reaction: application to the synthesis of 6-amino-1,6-dideoxynojirimycin. Tetrahedron Letters, 2013, 54, 2156-2159.	1.4	11
39	One-Pot Three-Component Barbier-Type Reaction for the Synthesis of Î²-Nitroamines. Synlett, 2013, 24, 1949-1952.	1.8	6
40	Stereoselective Synthesis of Carbohydrate-Derived N-Sulfonyl Aziridines. Synlett, 2013, 24, 181-184.	1.8	7
41	Applications of Barbier Type Reactions in Carbohydrate Chemistry. Current Organic Synthesis, 2013, 10, 183-209.	1.3	6
42	Synthesis of Sugar-Derived 2-Nitroalkanols via Henry Reaction Promoted by Samarium Diiodide or Indium. Synlett, 2012, 23, 2083-2086.	1.8	13
43	Indium-Catalyzed Henry-Type Reaction of Aldehydes with BromonitroÂalkanes. Synlett, 2012, 23, 873-876.	1.8	24
44	An overview of key routes for the transformation of sugars into carbasugars and related compounds. Carbohydrate Chemistry, 2012, , 263-302.	0.3	13
45	Spirocyclic Nucleosides in Medicinal Chemistry: An Overview. Mini-Reviews in Medicinal Chemistry, 2012, 12, 1485-1496.	2.4	11
46	Editorial [Hot Topic: Carbohydrate Mimetics as Potential Drug Candidates]. Mini-Reviews in Medicinal Chemistry, 2012, 12, 1433-1433.	2.4	2
47	Synthesis and Conformational Analysis of Heterogeneous Cyclic Oligomers of 6â€Aminoâ€6â€deoxygalactonic Acid and Phenylalanine. European Journal of Organic Chemistry, 2012, 2012, 5701-5711.	2.4	0
48	Preparation of sugar derived Î²,Î²â€²-dihydroxy Î±,Î±-disubstituted Î±-amino acids. Tetrahedron: Asymmetry, 2012, 23, 1238-1242.	1.8	2
49	Hydroxymethylâ€Branched Piperidines from Hydroxymethylâ€Branched Lactones: Synthesis and Biological Evaluation of 1,5â€Dideoxyâ€2â€Câ€hydroxymethylâ€1,5â€iminoâ€<scp>D</scp>â€mannitol, 1,5â€Dideoxyâ€2â€Câ€hydroxymethylâ€1,5â€iminoâ€<scp>L</scp>â€gulitol and 1,5â€Dideoxyâ€2â€Câ€hydroxymethylâ€1,5â€iminoâ€<scp>D</scp>â€talitol. European Journal of Organic Chemistry, 2012, 2012, 2394-2402.	2.4	17
50	Indiumâ€Mediated Azaâ€Henry Reaction of Imines: Access to 2â€Nitroamines. European Journal of Organic Chemistry, 2012, 2012, 4339-4346.	2.4	13
51	The use of samarium or sodium iodide salts as an alternative for the aza-Henry reaction. Tetrahedron, 2012, 68, 1736-1744.	1.9	23
52	Synthesis of three branched iminosugars [(3R,4R,5S)-3-(hydroxymethyl)piperidine-3,4,5-triol, (3R,4R,5R)-3-(hydroxymethyl)piperidine-3,4,5-triol and (3S,4R,5R)-3-(hydroxymethyl)piperidine-3,4,5-triol] and a branched trihydroxynipecotic acid [(3R,4R,5R)-3,4,5-trihydroxypiperidine-3-carboxylic acid] from sugar lactones with a carbon substituent at C-2. Tetrahedron: Asymmetry, 2012, 23, 401-408.	1.8	19
53	Indium-mediated reaction of nitroethane and aldehydes: characterization of the nucleophilic organoindium species. Tetrahedron Letters, 2012, 53, 570-574.	1.4	16
54	Indium-mediated allylation and Reformatsky reaction on glyoxylic oximes under ultrasound irradiation. Ultrasonics Sonochemistry, 2012, 19, 916-920.	8.2	7

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55	Iron(iii) complexation by Vanchrobactin, a siderophore of the bacterial fish pathogen Vibrio anguillarum. Metallomics, 2011, 3, 521.	2.4	17
56	Chromium-Mediated Stereoselective Synthesis of Carbohydrate-Derived (E)-Î±,Î²-Unsaturated Esters or Amides. Journal of Organic Chemistry, 2011, 76, 5461-5465.	3.2	4
57	Highly diastereoselective indium-mediated synthesis of Î²-lactam carbohydrates from imines. Tetrahedron, 2011, 67, 2617-2622.	1.9	33
58	An overview on the synthesis of furanoid and pyranoid sugar Î±- and Î²-amino acids and related aminocycloalkanecarboxylic acids from carbohydrates. Comptes Rendus Chimie, 2011, 14, 313-326.	0.5	9
59	Indium-mediated Reformatsky reaction on lactones: preparation of 2-deoxy-2,2â€²-dimethyl-3-ulosonic acids. Tetrahedron Letters, 2010, 51, 105-108.	1.4	17
60	Indiumâ€Mediated Reaction of 1â€Bromoâ€1â€nitroalkanes with Aldehydes: Access to 2â€Nitroalkanâ€1â€ols. European Journal of Organic Chemistry, 2010, 2010, 5190-5196.	2.4	26
61	Studies on the transformation of nitrosugars into iminosugars III: synthesis of (2R,3R,4R,5R,6R)-2-(hydroxymethyl)azepane-3,4,5,6-tetraol and (2R,3R,4R,5R,6S)-2-(hydroxymethyl)azepane-3,4,5,6-tetraol. Tetrahedron: Asymmetry, 2010, 21, 21-26.	1.8	17
62	Studies on indium-mediated additions to lactones: synthesis of 2-deoxy-2-substituted-3-ulosonic acids. Tetrahedron: Asymmetry, 2010, 21, 2249-2253.	1.8	16
63	Convenient Procedure for the Indium-Mediated Hydroxymethylation of Active Bromo Compounds: Transformation of Ketones into Î±-Hydroxymethyl Nitroalkanes. Synlett, 2010, 2010, 2625-2627.	1.8	11
64	A Straightforward Route to Novel Î±,Î±-Disubstituted Tetrahydrofuran Î²-Amino Acids and Spirodiketopiperazines from Sugar Lactones. Synlett, 2010, 2010, 2549-2552.	1.8	9
65	Studies on the stereocontrolled transformation of nitrohexofuranoses into 2-oxabicyclo[2.2.1]heptanes. V: Synthesis of enantiopure methyl (1R,2R,4S)-2-amino-4-hydroxycyclopentanecarboxylate. Tetrahedron: Asymmetry, 2010, 21, 116-122.	1.8	6
66	Studies on the transformation of nitrosugars into branched chain iminosugars. Part II: Synthesis of (3R,4R,5R,6S)-2,2-bis(hydroxymethyl)azepane-3,4,5,6-tetraol. Tetrahedron: Asymmetry, 2008, 19, 2443-2446.	1.8	22
67	Total Synthesis of (â^')-Dysithiazolamide. Organic Letters, 2008, 10, 2175-2178.	4.6	44
68	Synthesis and biological activity of analogues of vanchrobactin, a siderophore from Vibrio anguillarum serotype O2. Organic and Biomolecular Chemistry, 2008, 6, 1278.	2.8	12
69	Ethyl 1-O-tert-butyldimethylsilyl-2,3-O-isopropylidene-5-[(2â€²S)-tetrahydropyran-2-yloxy]-D-glycero-Î±-D-manno-heptofuranoate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1478-o1478.	0.2	0
70	Preliminary Studies on the Transformation of Nitrosugars into Branched Chain Iminosugars:â€‰ Synthesis of 1,4-Dideoxy-4-C-hydroxymethyl- 1,4-imino-pentanols. Organic Letters, 2007, 9, 623-626.	4.6	25
71	Synthesis of and NMR studies on the four diastereomeric 1-deoxy-d-ketohexoses. Tetrahedron: Asymmetry, 2007, 18, 774-786.	1.8	33
72	Green aldose isomerisation: 2-C-methyl-1,4-lactones from the reaction of Amadori ketoses with calcium hydroxide. Tetrahedron Letters, 2007, 48, 517-520.	1.4	31

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73	Vanchrobactin: absolute configuration and total synthesis. Tetrahedron Letters, 2007, 48, 3021-3024.	1.4	20
74	The concomitant crystallization of two polymorphs of 1-deoxy-Î±-D-tagatose. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, o7-o10.	0.4	6
75	2,5-Di-O-acetyl-3-C-methyl-D-lyxono-1,4-lactone. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o977-o979.	0.2	3
76	cyclo{[(6-Amino-6-deoxy-2,3:4,5-di-O-isopropylidene-D-galactonic acid)-(D-Phe)]2}. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o1851-o1853.	0.2	1
77	Synthesis of 4-aminomethyl-tetrahydrofuran-2-carboxylates with 2,4-cis and 2,4-trans relationships. Tetrahedron, 2006, 62, 4110-4119.	1.9	17
78	Structural characterization of vanchrobactin, a new catechol siderophore produced by the fish pathogen Vibrio anguillarum serotype O2. Tetrahedron Letters, 2006, 47, 7113-7116.	1.4	60
79	Branched tetrahydrofuran Î±,Î±-disubstituted-Î´-sugar amino acid scaffolds from branched sugar lactones: a new family of foldamers?. Tetrahedron Letters, 2005, 46, 5761-5765.	1.4	35
80	Kiliani reactions on ketoses: branched carbohydrate building blocks from D-tagatose and D-psicose. Tetrahedron Letters, 2005, 46, 5755-5759.	1.4	58
81	Stereocontrolled transformation of nitrohexofuranoses into cyclopentylamines via 2-oxabicyclo[2.2.1]heptanes. Part 2: Synthesis of (1S,2R,3S,4S,5R)-3,4,5-trihydroxy-2-aminocyclopentanecarboxylic acid. Tetrahedron: Asymmetry, 2005, 16, 205-211.	1.8	22
82	2,2â€²:5,6-Di-O-isopropylidene-2-C-hydroxymethyl-D-talono-1,4-lactone. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o250-o252.	0.2	1
83	1,4-Anhydro-2-C-benzyloxymethyl-2,3:5,6-di-O-isopropylidene-D-tallitol. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2865-o2867.	0.2	0
84	1,2:3,4-Di-O-isopropylidene-Î±-D-tagatofuranose. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2891-o2893.	0.2	2
85	1,2:3,4-Di-O-isopropylidene-Î²-D-psicofuranose. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2949-o2951.	0.2	4
86	2-C-Benzyloxymethyl-2,3:5,6-di-O-isopropylidene-D-allono-1,4-lactone. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2955-o2957.	0.2	1
87	5-Amino-5-deoxy-2-C-hydroxymethyl-2,3-O-isopropylidene-D-talono-1,5-lactam. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o2140-o2141.	0.2	3
88	3-O-tert-Butyldimethylsilyl-2,2â€²:5,6-di-O-isopropylidene-2-C-hydroxymethyl-D-1,4-gluconolactone. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o2142-o2143.	0.2	2
89	2,3:5,6-Di-O-isopropylidene-2-C-hydroxymethyl-D-talono-1,4-lactone. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o2163-o2164.	0.2	2
90	3-Azido-3-deoxy-2,2â€²:5,6-di-O-isopropylidene-2-C-hydroxmethyl-D-gulono-1,4-lactone. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o2334-o2336.	0.2	2

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91	Kiliani on ketoses: branched carbohydrate building blocks from d-fructose and l-sorbose. Tetrahedron Letters, 2004, 45, 9461-9464.	1.4	57
92	Total synthesis of 3,4-dihydroxyprolines, d-threo-l-norvaline and (2S,3R,4R)-2-amino-3,4-dihydroxytetrahydrofuran-2-carboxylic acid methyl ester. Tetrahedron: Asymmetry, 2003, 14, 3955-3963.	1.8	20
93	Templated scaffolds of cis- and trans-tetrahydrofuran Î³-amino acids: Î³-azido-Î²-hydroxy-tetrahydrofuran-2-carboxylates from pentono-Î´-lactones. Tetrahedron Letters, 2003, 44, 5847-5851.	1.4	33
94	Two new examples of the rare Câ†'O migration of ethoxycarbonyl groups. Tetrahedron, 2003, 59, 6285-6289.	1.9	6
95	Synthesis of polyhydroxylated Î±-nitrocyclohexane carboxylic acids derived from d-glucose: a striking case of racemization. Tetrahedron: Asymmetry, 2003, 14, 1653-1658.	1.8	20
96	Stereocontrolled Transformation of Nitrohexofuranoses into Cyclopentylamines via 2-Oxabicyclo[2.2.1]heptanes:â€‰ Incorporation of Polyhydroxylated Carbocyclic Î²-Amino Acids into Peptides. Organic Letters, 2003, 5, 1423-1425.	4.6	34
97	Transformation ofd-Glucose into 1D-3-Deoxy-3-hydroxymethyl-myo-inositol by Stereocontrolled Intramolecular Henry Reaction. Organic Letters, 2003, 5, 4457-4459.	4.6	26