

Raquel G Soengas

List of Publications by Year in descending order

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papers

1,335
citations

361413

20
h-index

477307

29
g-index

134
all docs

134
docs citations

134
times ranked

1152
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural characterization of vanchrobactin, a new catechol siderophore produced by the fish pathogen <i>Vibrio anguillarum</i> serotype O2. <i>Tetrahedron Letters</i> , 2006, 47, 7113-7116.	1.4	60
2	Kiliani reactions on ketoses: branched carbohydrate building blocks from D-tagatose and D-psicose. <i>Tetrahedron Letters</i> , 2005, 46, 5755-5759.	1.4	58
3	Kiliani on ketoses: branched carbohydrate building blocks from d-fructose and l-sorbose. <i>Tetrahedron Letters</i> , 2004, 45, 9461-9464.	1.4	57
4	Total Synthesis of (âˆ™)-Dysithiazolamide. <i>Organic Letters</i> , 2008, 10, 2175-2178.	4.6	44
5	Modern Synthetic Methods for the Stereoselective Construction of 1,3-Dienes. <i>Molecules</i> , 2021, 26, 249.	3.8	39
6	Branched tetrahydrofuran Î±,Î±-disubstituted-Î²-sugar amino acid scaffolds from branched sugar lactones: a new family of foldamers?. <i>Tetrahedron Letters</i> , 2005, 46, 5761-5765.	1.4	35
7	Stereocontrolled Transformation of Nitrohexofuranoses into Cyclopentylamines via 2-Oxabicyclo[2.2.1]heptanes:â€‰ Incorporation of Polyhydroxylated Carbocyclic Î²-Amino Acids into Peptides. <i>Organic Letters</i> , 2003, 5, 1423-1425.	4.6	34
8	Templated scaffolds of cis- and trans-tetrahydrofuran Î²-amino acids: Î²-azido-Î²-hydroxy-tetrahydrofuran-2-carboxylates from pentono-Î²-lactones. <i>Tetrahedron Letters</i> , 2003, 44, 5847-5851.	1.4	33
9	Synthesis of and NMR studies on the four diastereomeric 1-deoxy-d-ketohexoses. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 774-786.	1.8	33
10	Highly diastereoselective indium-mediated synthesis of Î²-lactam carbohydrates from imines. <i>Tetrahedron</i> , 2011, 67, 2617-2622.	1.9	33
11	Green aldose isomerisation: 2-C-methyl-1,4-lactones from the reaction of Amadori ketoses with calcium hydroxide. <i>Tetrahedron Letters</i> , 2007, 48, 517-520.	1.4	31
12	NMR characterization and evaluation of antibacterial and antiobiofilm activity of organic extracts from stationary phase batch cultures of five marine microalgae (<i>Dunaliella</i> sp., <i>D. salina</i> , <i>Chaetoceros</i>) Tj ETQq0 0 0z9BT /Overlock 10 TF		
13	Transformation of d-Glucose into 1D-3-Deoxy-3-hydroxymethyl-myo-inositol by Stereocontrolled Intramolecular Henry Reaction. <i>Organic Letters</i> , 2003, 5, 4457-4459.	4.6	26
14	Indium-Mediated Reaction of 1â€‰Bromoâ€‰1â€‰nitroalkanes with Aldehydes: Access to 2â€‰Nitroalkanâ€‰1â€‰ols. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5190-5196.	2.4	26
15	Preliminary Studies on the Transformation of Nitrosugars into Branched Chain Iminosugars:â€‰ Synthesis of 1,4-Dideoxy-4-C-hydroxymethyl- 1,4-imino-pentanol. <i>Organic Letters</i> , 2007, 9, 623-626.	4.6	25
16	Indium-Catalyzed Henry-Type Reaction of Aldehydes with Bromonitroalkanes. <i>Synlett</i> , 2012, 23, 873-876.	1.8	24
17	The use of samarium or sodium iodide salts as an alternative for the aza-Henry reaction. <i>Tetrahedron</i> , 2012, 68, 1736-1744.	1.9	23
18	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. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 205-211.	1.8	22

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19	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. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2443-2446.	1.8	22
20	Ohmic Heating and Ionic Liquids in Combination for the Indium-Promoted Synthesis of α -Halo Alkenyl Compounds: Applications to Pd-Catalysed Cross-Coupling Reactions. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 99-107.	2.4	21
21	Total synthesis of 3,4-dihydroxyprolines, d-threo-l-norvaline and (2S,3R,4R)-2-amino-3,4-dihydroxytetrahydrofuran-2-carboxylic acid methyl ester. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 3955-3963.	1.8	20
22	Synthesis of polyhydroxylated \pm -nitrocyclohexane carboxylic acids derived from d-glucose: a striking case of racemization. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1653-1658.	1.8	20
23	Vanchrobactin: absolute configuration and total synthesis. <i>Tetrahedron Letters</i> , 2007, 48, 3021-3024.	1.4	20
24	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. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 401-408.	1.8	19
25	Synthesis of Enantiopure 2-C-Glycosyl-3-nitrochromenes. <i>Journal of Organic Chemistry</i> , 2013, 78, 12831-12836.	3.2	19
26	Synthesis of Spironucleosides: Past and Future Perspectives. <i>Molecules</i> , 2017, 22, 2028.	3.8	19
27	Therapeutic Potential of Glycosyl Flavonoids as Anti-Coronaviral Agents. <i>Pharmaceuticals</i> , 2021, 14, 546.	3.8	18
28	Synthesis of 4-aminomethyl-tetrahydrofuran-2-carboxylates with 2,4-cis and 2,4-trans relationships. <i>Tetrahedron</i> , 2006, 62, 4110-4119.	1.9	17
29	Indium-mediated Reformatsky reaction on lactones: preparation of 2-deoxy-2,2-dimethyl-3-ulosonic acids. <i>Tetrahedron Letters</i> , 2010, 51, 105-108.	1.4	17
30	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. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 21-26.	1.8	17
31	Iron(III) complexation by Vanchrobactin, a siderophore of the bacterial fish pathogen <i>Vibrio anguillarum</i> . <i>Metallomics</i> , 2011, 3, 521.	2.4	17
32	Hydroxymethyl-Branched Piperidines from Hydroxymethyl-Branched Lactones: Synthesis and Biological Evaluation of 1,5-Dideoxy-2-amino-3-(hydroxymethyl)-1,5-imino-D-mannitol, 1,5-Dideoxy-2-amino-3-(hydroxymethyl)-1,5-imino-L-gulitol and 1,5-Dideoxy-2-amino-3-(hydroxymethyl)-1,5-imino-D-talitol. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2394-2402.	2.4	17
33	Studies on indium-mediated additions to lactones: synthesis of 2-deoxy-2-substituted-3-ulosonic acids. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2249-2253.	1.8	16
34	Indium-mediated reaction of nitroethane and aldehydes: characterization of the nucleophilic organoindium species. <i>Tetrahedron Letters</i> , 2012, 53, 570-574.	1.4	16
35	Recent Developments in the Chemistry of α -Halogeno Nitro Compounds. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6339-6359.	2.4	16
36	Immobilized Gold Nanoparticles Prepared from Gold(III)-Containing Ionic Liquids on Silica: Application to the Sustainable Synthesis of Propargylamines. <i>Molecules</i> , 2018, 23, 2975.	3.8	16

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37	Microalgae and Cyanobacteria Strains as Producers of Lipids with Antibacterial and Antibiofilm Activity. <i>Marine Drugs</i> , 2021, 19, 675.	4.6	16
38	Gold-Derived Molecules as New Antimicrobial Agents. <i>Frontiers in Microbiology</i> , 2022, 13, 846959.	3.5	16
39	Chlorosphaerolactylates Aâ€D: Natural Lactylates of Chlorinated Fatty Acids Isolated from the Cyanobacterium <i>Sphaerospermopsis</i> sp. LEGE 00249. <i>Journal of Natural Products</i> , 2020, 83, 1885-1890.	3.0	14
40	Synthesis of Sugar-Derived 2-Nitroalkanols via Henry Reaction Promoted by Samarium Diodide or Indium. <i>Synlett</i> , 2012, 23, 2083-2086.	1.8	13
41	An overview of key routes for the transformation of sugars into carbasugars and related compounds. <i>Carbohydrate Chemistry</i> , 2012, , 263-302.	0.3	13
42	Indium-Mediated Aza-Henry Reaction of Imines: Access to Nitroamines. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4339-4346.	2.4	13
43	Ionic Liquids and Ohmic Heating in Combination for Pd-Catalyzed Cross-Coupling Reactions: Sustainable Synthesis of Flavonoids. <i>Molecules</i> , 2020, 25, 1564.	3.8	13
44	Synthesis and biological activity of analogues of vanchrobactin, a siderophore from <i>Vibrio anguillarum</i> serotype O2. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1278.	2.8	12
45	Convenient Procedure for the Indium-Mediated Hydroxymethylation of Active Bromo Compounds: Transformation of Ketones into α -Hydroxymethyl Nitroalkanes. <i>Synlett</i> , 2010, 2010, 2625-2627.	1.8	11
46	Spirocyclic Nucleosides in Medicinal Chemistry: An Overview. <i>Mini-Reviews in Medicinal Chemistry</i> , 2012, 12, 1485-1496.	2.4	11
47	Preparation of sugar-derived 1,2-diamines via indium-catalyzed aza-Henry-type reaction: application to the synthesis of 6-amino-1,6-dideoxynojirimycin. <i>Tetrahedron Letters</i> , 2013, 54, 2156-2159.	1.4	11
48	Synthesis of 3-(2-nitrovinyl)-4H-chromones: useful scaffolds for the construction of biologically relevant 3-(pyrazol-5-yl)chromones. <i>Tetrahedron</i> , 2016, 72, 3198-3203.	1.9	11
49	Use of NMR for the Analysis and Quantification of the Sugar Composition in Fresh and Store-Bought Fruit Juices. <i>Journal of Chemical Education</i> , 2020, 97, 831-837.	2.3	11
50	A Straightforward Route to Novel α,β -Disubstituted Tetrahydrofuran β -Amino Acids and Spirodiketopiperazines from Sugar Lactones. <i>Synlett</i> , 2010, 2010, 2549-2552.	1.8	9
51	An overview on the synthesis of furanoid and pyranoid sugar α - and β -amino acids and related aminocycloalkanecarboxylic acids from carbohydrates. <i>Comptes Rendus Chimie</i> , 2011, 14, 313-326.	0.5	9
52	One-pot synthesis of vicinal aminoalkanols from sugar aldehydes. <i>Tetrahedron</i> , 2013, 69, 3425-3431.	1.9	9
53	Temperature-Controlled Stereodivergent Synthesis of 2,2-Biflavanones Promoted by Samarium Diodide. <i>Chemistry - A European Journal</i> , 2019, 25, 13104-13108.	3.3	8
54	A σ -Cyclometallated Gold(III) Complex as a Novel Antibacterial Candidate Against Drug-Resistant Bacteria. <i>Frontiers in Microbiology</i> , 2022, 13, 815622.	3.5	8

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55	Indium-mediated allylation and Reformatsky reaction on glyoxylic oximes under ultrasound irradiation. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 916-920.	8.2	7
56	Stereoselective Synthesis of Carbohydrate-Derived N-Sulfonyl Aziridines. <i>Synlett</i> , 2013, 24, 181-184.	1.8	7
57	A new spermidine macrocyclic alkaloid isolated from <i>Gymnosporia arenicola</i> leaf. <i>F&Atilde;toterap&Atilde;Aç</i> , 2015, 106, 7-11.	2.2	7
58	SolventÃControlled Hydrogenation of 2ÃTMÃHydroxychalcones: A Simple Solution to the Total Synthesis of Bussealins. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5422-5431.	4.3	7
59	Natural Occurrence, Synthesis and Biological Applications of Spermidine Alkaloids. <i>Current Organic Chemistry</i> , 2017, 21, 546-558.	1.6	7
60	Two new examples of the rare CÃtÃO migration of ethoxycarbonyl groups. <i>Tetrahedron</i> , 2003, 59, 6285-6289.	1.9	6
61	The concomitant crystallization of two polymorphs of 1-deoxy-ÎÃD-tagatose. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2007, 63, o7-o10.	0.4	6
62	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. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 116-122.	1.8	6
63	One-Pot Three-Component Barbier-Type Reaction for the Synthesis of ÎÃ2-Nitroamines. <i>Synlett</i> , 2013, 24, 1949-1952.	1.8	6
64	Preparation of indium nitronates and their Henry reactions. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8593-8597.	2.8	6
65	Chalcones and Chromones in Copper-Catalyzed AzideÃAlkyne Cycloadditions (CuAAC). <i>Current Organic Chemistry</i> , 2018, 22, 1307-1325.	1.6	6
66	Applications of Barbier Type Reactions in Carbohydrate Chemistry. <i>Current Organic Synthesis</i> , 2013, 10, 183-209.	1.3	6
67	Domino Reaction of Iodoglycosides: Synthesis of CarbohydrateÃBased Nitroalkenes. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5022-5027.	2.4	5
68	General Preparation of 1ÃSubstituted (<i>E</i>)-1,3ÃDienes under Mild Conditions. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2524-2530.	2.4	5
69	Metal-Mediated Debromination of gem-Dibromoalkenes under Mild Conditions. <i>Synlett</i> , 2016, 27, 1096-1099.	1.8	5
70	Synthesis of carbohydrate-derived (Z)-vinyl halides and silanes: Samarium-promoted stereoselective 1,2-elimination on sugar-derived ÎÃhalomethylcarbinol acetates. <i>Tetrahedron</i> , 2018, 74, 5475-5480.	1.9	5
71	A cooperative zinc/catalytic indium system for the stereoselective sequential synthesis of (<i>E</i>)-1,3-dienes from carbonyl compounds. <i>Organic Chemistry Frontiers</i> , 2021, 8, 591-598.	4.5	5
72	1,2:3,4-Di-O-isopropylidene-ÎÃD-psicofuranose. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o2949-o2951.	0.2	4

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73	Chromium-Mediated Stereoselective Synthesis of Carbohydrate-Derived (E)- $\hat{1}\pm, \hat{1}^2$ -Unsaturated Esters or Amides. <i>Journal of Organic Chemistry</i> , 2011, 76, 5461-5465.	3.2	4
74	Synthesis of Highly Functionalized Enantiopure Halocyclopropanes Derived from Carbohydrates. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 4953-4961.	2.4	4
75	Indium-Mediated Debromination of gem-Bromonitroalkanes under Mild Conditions in Aqueous Medium. <i>Synlett</i> , 2014, 25, 1561-1564.	1.8	4
76	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. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 583-590.	1.8	4
77	Synthesis of P-Stereogenic Benzoazaphosphole 1-Oxides via Alkynylation of P-Stereogenic ortho-Aurated and ortho-Iodo Phosphinic Amides. <i>ACS Omega</i> , 2018, 3, 5116-5124.	3.5	4
78	5-Amino-5-deoxy-2-C-hydroxymethyl-2,3-O-isopropylidene-D-talono-1,5-lactam. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o2140-o2141.	0.2	3
79	2,5-Di-O-acetyl-3-C-methyl-D-lyxono-1,4-lactone. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o977-o979.	0.2	3
80	Recent Advances in the Chemistry and Biology of Spirocyclic Nucleosides. <i>Topics in Heterocyclic Chemistry</i> , 2019, , 171-213.	0.2	3
81	Sml ₂ -promoted cross coupling reaction of N-2-bromoethylphthalimide and carbonyl compounds: Synthesis of $\hat{1}\pm$ -aryl- $\hat{1}\pm$ - $\hat{2}$ -hydroxy ketones. <i>Tetrahedron</i> , 2020, 76, 130839.	1.9	3
82	Chemotaxonomic Profiling Through $\langle \text{sc} \rangle \text{NMR} \langle / \text{sc} \rangle \langle \text{sup} \rangle 1 \langle / \text{sup} \rangle$. <i>Journal of Phycology</i> , 2020, 56, 521-539.	2.3	3
83	3-O-tert-Butyldimethylsilyl-2,2- $\hat{2}$:5,6-di-O-isopropylidene-2-C-hydroxymethyl-D-1,4-gluconolactone. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o2142-o2143.	0.2	2
84	2,3:5,6-Di-O-isopropylidene-2-C-hydroxymethyl-D-talono-1,4-lactone. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o2163-o2164.	0.2	2
85	3-Azido-3-deoxy-2,2- $\hat{2}$:5,6-di-O-isopropylidene-2-C-hydroxymethyl-D-gulono-1,4-lactone. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o2334-o2336.	0.2	2
86	1,2:3,4-Di-O-isopropylidene- $\hat{1}\pm$ -D-tagatofuranose. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o2891-o2893.	0.2	2
87	Editorial [Hot Topic: Carbohydrate Mimetics as Potential Drug Candidates]. <i>Mini-Reviews in Medicinal Chemistry</i> , 2012, 12, 1433-1433.	2.4	2
88	Preparation of sugar derived $\hat{1}^2, \hat{1}^2$ -dihydroxy $\hat{1}\pm, \hat{1}\pm$ -disubstituted $\hat{1}\pm$ -amino acids. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 1238-1242.	1.8	2
89	New Morphiceptin Peptidomimetic Incorporating (1S,2R,3S,4S,5R)-2-Amino-3,4,5-trihydroxycyclopentane-1-carboxylic acid: Synthesis and Structural Study. <i>Molecules</i> , 2020, 25, 2574.	3.8	2
90	Polyhydroxylated Cyclopentane $\hat{1}^2$ -Amino Acids Derived from $\langle \text{sc} \rangle \text{d} \langle / \text{sc} \rangle$ -Mannose and $\langle \text{sc} \rangle \text{d} \langle / \text{sc} \rangle$ -Galactose: Synthesis and Protocol for Incorporation into Peptides. <i>ACS Omega</i> , 2022, 7, 2002-2014.	3.5	2

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91	2,2,5,6-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
92	2-C-Benzoyloxymethyl-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
93	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
94	1,4-Anhydro-2-C-benzoyloxymethyl-2,3:5,6-di-O-isopropylidene-D-tallitol. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2865-o2867.	0.2	0
95	Synthesis and Conformational Analysis of Heterogeneous Cyclic Oligomers of 6-Amino-6-deoxygalactonic Acid and Phenylalanine. European Journal of Organic Chemistry, 2012, 2012, 5701-5711.	2.4	0
96	Stereoselective Synthesis of Orthogonally Protected 1,2-Diaminoinositols from d-Mannose. Synlett, 2014, 25, 2217-2220.	1.8	0
97	Ethyl 1-O-tert-butyltrimethylsilyl-2,3-O-isopropylidene-5-[(2S)-tetrahydropyran-2-yloxy]-D-glycero- α -D-manno-heptofuranate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1478-o1478.		0