

Jose Luis Chiara

List of Publications by Year in descending order

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159358

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times ranked

2302
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#	ARTICLE	IF	CITATIONS
1	Convenient Synthesis of 2-Azido-2-deoxy-aldoses by Diazo Transfer. <i>Helvetica Chimica Acta</i> , 1991, 74, 2073-2077.	1.0	148
2	The stereocontrolled formation of cyclic vicinal cis-diols via a samarium diiodide pinacol coupling of dialdehydes. <i>Tetrahedron Letters</i> , 1991, 32, 1125-1128.	0.7	122
3	Molecular Basis for Trehalase Inhibition Revealed by the Structure of Trehalase in Complex with Potent Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4115-4119.	7.2	95
4	Chlorinated BODIPYs: Surprisingly Efficient and Highly Photostable Laser Dyes. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6335-6350.	1.2	92
5	An Effective Strategy for the Synthesis of 6-O-(2-Amino-2-deoxy- α -D-glucopyranosyl)-D-chiro- and -D-myo-inositol 1-Phosphate Related to Putative Insulin Mimetics. <i>Journal of Organic Chemistry</i> , 1994, 59, 3135-3141.	1.7	83
6	Intramolecular reductive coupling of carbonyl-tethered oxime ethers promoted by samarium diiodide: A powerful method for the stereoselective synthesis of aminocyclopentitols. <i>Journal of Organic Chemistry</i> , 1995, 60, 6010-6011.	1.7	75
7	Cleavage of N ⁺ O Bonds Promoted by Samarium Diiodide: α Reduction of Free or N-Acylated O-Alkylhydroxylamines. <i>Journal of Organic Chemistry</i> , 1996, 61, 359-360.	1.7	73
8	Synthesis of Aminocyclitols by Intramolecular Reductive Coupling of Carbohydrate Derived β - and μ -Functionalized Oxime Ethers Promoted by Tributyltin Hydride or Samarium Diiodide. <i>Journal of Organic Chemistry</i> , 1997, 62, 7397-7412.	1.7	73
9	Exploring the Use of Conformationally Locked Aminoglycosides as a New Strategy to Overcome Bacterial Resistance. <i>Journal of the American Chemical Society</i> , 2006, 128, 100-116.	6.6	73
10	Octakis(3-azidopropyl)octasilsesquioxane: A Versatile Nanobuilding Block for the Efficient Preparation of Highly Functionalized Cubic Octameric Polyhedral Oligosilsesquioxane Frameworks Through Click Assembly. <i>Chemistry - A European Journal</i> , 2010, 16, 3833-3841.	1.7	67
11	A stereoselective route to enantiomerically pure myo-inositol derivatives starting from D-mannitol. <i>Tetrahedron Letters</i> , 1994, 35, 2969-2972.	0.7	63
12	Control of long-distance cell-to-cell communication and autophagosome transfer in squamous cell carcinoma via tunneling nanotubes. <i>Oncotarget</i> , 2017, 8, 20939-20960.	0.8	63
13	A Highly Efficient Pinacol Coupling Approach to Trehazamine Starting from d-Glucose. <i>Journal of Organic Chemistry</i> , 1998, 63, 5883-5889.	1.7	58
14	Glycosyl Inositol Derivatives Related to Inositolphosphoglycan Mediators: Synthesis, Structure, and Biological Activity. <i>Chemistry - A European Journal</i> , 1999, 5, 320-336.	1.7	58
15	A practical synthesis of 2-deoxy aldonolactones via a SmI ₂ -mediated β -deoxygenation reaction. <i>Tetrahedron Letters</i> , 1992, 33, 573-576.	0.7	54
16	Unprecedented π -Aggregated Dyes in Pure Organic Solvents. <i>Advanced Functional Materials</i> , 2016, 26, 2756-2769.	7.8	52
17	Dye-Doped Polyhedral Oligomeric Silsesquioxane (POSS)-Modified Polymeric Matrices for Highly Efficient and Photostable Solid-State Lasers. <i>Advanced Functional Materials</i> , 2009, 19, 3307-3316.	7.8	51
18	A Simple Structural-Based Approach to Prevent Aminoglycoside Inactivation by Bacterial Defense Proteins. Conformational Restriction Provides Effective Protection against Neomycin-B Nucleotidylation by ANT4. <i>Journal of the American Chemical Society</i> , 2005, 127, 8278-8279.	6.6	50

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19	Nonafluorobutanesulfonyl Azide: A Shelf-Stable Diazo Transfer Reagent for the Synthesis of Azides from Primary Amines. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2515-2520.	2.1	50
20	Hydrogen-Bonding Cooperativity: Using an Intramolecular Hydrogen Bond To Design a Carbohydrate Derivative with a Cooperative Hydrogen-Bond Donor Centre. <i>Chemistry - A European Journal</i> , 2004, 10, 4240-4251.	1.7	49
21	Total synthesis of (+)-polyoximic acid - cis-3-ethylidene-L-azetidino-2-carboxylic acid. <i>Tetrahedron Letters</i> , 1993, 34, 4157-4160.	0.7	45
22	A Concise and Highly Efficient Synthesis of Trehazolin and Trehalamin Starting from d-Mannose. <i>Organic Letters</i> , 1999, 1, 1705-1708.	2.4	45
23	A New Synthetic Approach to the Carbocyclic Core of Cyclopentane-Type Glycosidase Inhibitors: Asymmetric Synthesis of Aminocyclopentitols via Free Radical Cycloisomerization of Enantiomerically Pure Alkyne-Tethered Oxime Ethers Derived from Carbohydrates. <i>Journal of Organic Chemistry</i> , 1996, 61, 1354-1362.	1.7	42
24	Controlled Click-Assembly of Well-Defined Hetero-Bifunctional Cubic Silsesquioxanes and Their Application in Targeted Bioimaging. <i>Chemistry - A European Journal</i> , 2013, 19, 6630-6640.	1.7	42
25	Cascade Reaction of 6-Deoxy-6-iodohexopyranosides Promoted by Samarium Diiodide: A New Ring Contraction of Carbohydrate Derivatives. <i>Journal of Organic Chemistry</i> , 1996, 61, 6488-6489.	1.7	39
26	Samarium Diiodide-Mediated Reductive Coupling of Epoxides and Carbonyl Compounds: A Stereocontrolled Synthesis of C-Glycosides from 1,2-Anhydro Sugars. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3242-3246.	7.2	39
27	Attempted Synthesis of Type-A Inositolphosphoglycan Mediators - Synthesis of a Pseudohexasaccharide Precursor. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 1547-1562.	1.2	38
28	Stereoselective synthesis of the antifungal GM222712. <i>Tetrahedron Letters</i> , 2000, 41, 4379-4382.	0.7	36
29	Synthesis and Biophysical Study of Disassembling Nanohybrid Bioconjugates with a Cubic Octasilsesquioxane Core. <i>Advanced Functional Materials</i> , 2012, 22, 3191-3201.	7.8	36
30	Synthesis of and (α)-conduiritol F from d-sorbitol by a highly stereoselective intramolecular pinacol coupling promoted by samarium diiodide. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 1895-1898.	1.8	31
31	Synthesis of ±-Diazo Carbonyl Compounds with the Shelf-Stable Diazo Transfer Reagent Nonafluorobutanesulfonyl Azide. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 575-579.	2.1	30
32	Click Assembly of Dye-Functionalized Octasilsesquioxanes for Highly Efficient and Photostable Photonic Systems. <i>Chemistry - A European Journal</i> , 2011, 17, 13258-13268.	1.7	29
33	Efficient multi-click approach to well-defined two-faced octasilsesquioxanes: the first perfect Janus nanocube. <i>Chemical Communications</i> , 2016, 52, 5792-5795.	2.2	28
34	Phthalimides as Exceptionally Efficient Single Electron Transfer Acceptors in Reductive Coupling Reactions Promoted by Samarium Diiodide. <i>Organic Letters</i> , 2007, 9, 5445-5448.	2.4	27
35	Rhodium-catalyzed intermolecular C-H amination of simple hydrocarbons using the shelf-stable nonafluorobutanesulfonyl azide. <i>Chemical Communications</i> , 2013, 49, 9194.	2.2	27
36	Free radical cycloisomerization of enantiomerically pure alkyne-tethered oxime ethers: A new method for the asymmetric synthesis of aminocyclopentitols. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 1547-1550.	1.8	25

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37	Ketone-Imide versus Ketone-Oxime Reductive Cross-Coupling Promoted by Samarium Diiodide: A New Mechanistic Insight Gained from a Failed Aminocyclopentitol Synthesis. <i>Journal of Organic Chemistry</i> , 2005, 70, 4142-4151.	1.7	24
38	Nonafluorobutanesulfonyl Azide as a Shelf-Stable Highly Reactive Oxidant for the Copper-Catalyzed Synthesis of 1,3-Diynes from Terminal Alkynes. <i>Journal of Organic Chemistry</i> , 2015, 80, 1098-1106.	1.7	24
39	Studies on nitroenamines. Part III. Synthesis and spectral properties of 4-Acyl-1-arylimidazoles. <i>Journal of Heterocyclic Chemistry</i> , 1987, 24, 1757-1763.	1.4	23
40	Spectral properties and isomerism of nitroenamines. Part 4.1 β -Amino- α -nitro- β , β -unsaturated ketones. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 1797-1806.	0.9	23
41	A study of polymer-supported bases for the solution phase synthesis of glycosyl trichloroacetimidates. <i>Tetrahedron Letters</i> , 2005, 46, 2445-2448.	0.7	23
42	Experimental Evidence for the Existence of Non-exo-Anomeric Conformations in Branched Oligosaccharides: NMR Analysis of the Structure and Dynamics of Aminoglycosides of the Neomycin Family. <i>Chemistry - A European Journal</i> , 2002, 8, 5228-5240.	1.7	22
43	Spectral properties and isomerism of nitroenamines. Part 3. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1992, , 787-798.	0.9	20
44	1-Silyl-2,6-diketones: Versatile Intermediates for the Divergent Synthesis of Five- and Six-Membered Carbocycles under Radical and Anionic Conditions. <i>Organic Letters</i> , 2006, 8, 3935-3938.	2.4	20
45	Synthesis, Inhibition Properties, and Theoretical Study of the New Nanomolar Trehalase Inhibitor 1-Thiatrehazolin: Towards a Structural Understanding of Trehazolin Inhibition. <i>ChemBioChem</i> , 2005, 6, 186-191.	1.3	19
46	Role of geometrical relaxation in solution of simple molecules exhibiting anomeric effects. <i>Computational and Theoretical Chemistry</i> , 1996, 371, 245-256.	1.5	17
47	Syntheses of (2-nitrovinyl)amino sugars and 2- and 3-(alditol-1-yl)-4-nitropyrroles. <i>Carbohydrate Research</i> , 1987, 167, 55-66.	1.1	16
48	Regiocontrolled acylation of myo-inositol orthoformate. <i>Tetrahedron Letters</i> , 1998, 39, 5085-5088.	0.7	16
49	A Concise Synthesis of a Trehazolamine Epimer with Moderate α -Mannosidase Inhibitory Activity Starting from d-Mannose. <i>Synlett</i> , 1999, 1999, 1551-1554.	1.0	15
50	Polymer-Assisted Solution-Phase Synthesis of Glycosyl Chlorides and Bromides Using a Supported Dialkylformamide as Catalyst. <i>ACS Combinatorial Science</i> , 2008, 10, 361-363.	3.3	15
51	Spectral properties and isomerism of nitroenamines. Part 1. 3-Amino-2-nitro-acrylic esters. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1988, , 1691-1698.	0.9	14
52	Control of Diastereoselectivity in C=O/C=N Reductive Cyclizations Using an Intramolecularly Tethered Hydrazone. <i>Synlett</i> , 2005, 2005, 2607-2610.	1.0	14
53	MNDO/H and AM1 studies of nitro enamines with intramolecular hydrogen bonds. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1988, , 2059-2064.	0.9	13
54	Synthesis of the aminocyclopentitol moieties of the hopanoids of <i>Zymomonas mobilis</i> and <i>Anacystis montana</i> . <i>Chemical Communications</i> , 2003, , 1874-1875.	2.2	13

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55	Lipophilic Thioglycosides for the Solution-Phase Synthesis of Oligosaccharides Using Biphasic Liquid-Liquid Separation. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2163-2173.	1.2	13
56	Stereoselective Synthesis of Branched Cyclopentitols by Titanium(III)-Promoted Reductive Cyclization of 4-Oxiranylaldehydes and 4-Oxiranyl Ketones Derived from Hexoses. <i>Synthesis</i> , 2008, 2008, 3160-3166.	1.2	12
57	Synthesis of $\hat{1}^2$ -nitropyrroles from amino sugars and nitroacetone. <i>Carbohydrate Research</i> , 1989, 188, 55-62.	1.1	11
58	Spectral properties and isomerism of nitro enamines. Part 2. 3-Amino-2-nitrocrotonic esters. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990, , 385-392.	0.9	11
59	Synthesis of <i>N,N</i> -Disulfonylamidines from Sulfonamides and Alkynes by a Two-Step, One-Pot Reaction with Nonfluorobutanesulfonyl Azide. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 913-918.	2.1	11
60	Stereochemical and Steric Control of Photophysical and Chiroptical Properties in Bichromophoric Systems. <i>Chemistry - A European Journal</i> , 2018, 24, 3802-3815.	1.7	11
61	A general modular approach for the solubility tagging of BODIPY dyes. <i>Dyes and Pigments</i> , 2019, 170, 107545.	2.0	10
62	NMR Spectra. , 0, , 279-404.		9
63	Stereocontrolled glycosylation of sordaricin in the presence of ammonium salts. <i>Tetrahedron Letters</i> , 2000, 41, 4373-4377.	0.7	9
64	Increased laser action in commercial dyes from fluorination regardless of their skeleton. <i>Laser Physics Letters</i> , 2014, 11, 115818.	0.6	9
65	An improved two-resin method for the cleavage of tertiary amines from REM resin. <i>Tetrahedron Letters</i> , 2001, 42, 6675-6678.	0.7	7
66	Shedding light on the mitochondrial matrix through a functional membrane transporter. <i>Chemical Science</i> , 2020, 11, 1052-1065.	3.7	7
67	Palladium-catalyzed reduction of a propargylic acetate derived from a sugar with SmI ₂ . Some unexpected results. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 105-108.	1.8	6
68	A theoretical approach to the vibrational analysis of the nitroenamine system. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990, , 1627-1636.	0.9	5
69	Samarium Dioxide-Mediated Reductive Coupling of Epoxides and Carbonyl Compounds: A Stereocontrolled Synthesis of C-Glycosides from 1,2-Anhydro Sugars. <i>Angewandte Chemie</i> , 2002, 114, 3376-3380.	1.6	5
70	Mitochondrial interaction of fibrosis-protective 5-methoxy tryptophan enhances collagen uptake by macrophages. <i>Free Radical Biology and Medicine</i> , 2022, 188, 287-297.	1.3	5
71	Experimental evidence for the existence of non-exo-anomeric conformations in branched oligosaccharides: the neomycin-B case. <i>Chemical Communications</i> , 2002, , 2232-2233.	2.2	3
72	Stereochemical Studies of <i>N,N'</i> -Diacyl- <i>N,N'</i> -dimethyl-1,2-diamino-1,2-diphenylethanes and their Mono- and Di-thio Analogues by NMR and CD Spectroscopy and by Molecular Mechanics Calculations.. <i>Acta Chemica Scandinavica</i> , 1992, 46, 555-562.	0.7	2

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73	Taming the Photonic Behavior of Laser Dyes Through Specific and Dynamic Self-Assembly onto Cellulose Nanocrystals. <i>Advanced Photonics Research</i> , 2021, 2, 2000107.	1.7	1