

Giovanni Palumbo

List of Publications by Year in descending order

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1,605
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279798

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docs citations

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1333
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#	ARTICLE	IF	CITATIONS
1	Synthesis of Enantiopure N-and C-Protected homo- β -Amino Acids by Direct Homologation of β -Amino Acids. <i>Tetrahedron</i> , 1995, 51, 12337-12350.	1.9	100
2	Glycomimetics at the Mirror: Medicinal Chemistry of L-Iminosugars. <i>Current Medicinal Chemistry</i> , 2009, 16, 473-505.	2.4	86
3	A new general synthesis of halohydrins. <i>Tetrahedron Letters</i> , 1983, 24, 1307-1310.	1.4	67
4	Direct conversion of oxiranes to alkenes by chlorotrimethylsilane and sodium iodide. <i>Tetrahedron Letters</i> , 1981, 22, 3551-3552.	1.4	50
5	A Facile Way to Thiosulfonic S-Esters. <i>Synthesis</i> , 1981, 1981, 888-890.	2.3	46
6	Recent Advances in Monosaccharide Synthesis: A Journey into L-Hexose World. <i>Current Organic Chemistry</i> , 2009, 13, 71-98.	1.6	44
7	Synthesis and Evaluation of Folate-Based Chlorambucil Delivery Systems for Tumor-Targeted Chemotherapy. <i>Bioconjugate Chemistry</i> , 2012, 23, 84-96.	3.6	43
8	Chiral N-protected β -iodoamines from β -aminoacids: a general synthesis. <i>Tetrahedron Letters</i> , 1995, 36, 167-168.	1.4	42
9	A New and Versatile Allylic Alcohol Anion and Acyl β -Anion Equivalent for Three-Carbon Homologations. <i>Journal of Organic Chemistry</i> , 1997, 62, 9369-9371.	3.2	41
10	Exploring the Role of Chirality in Nucleic Acid Recognition. <i>Chemistry and Biodiversity</i> , 2011, 8, 373-413.	2.1	40
11	A General Approach to the Synthesis of 1-Deoxy-l-imosugars. <i>Organic Letters</i> , 2007, 9, 3473-3476.	4.6	39
12	Mild Synthesis of Protected β -D-Glycosyl Iodides. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 3147-3150.	2.4	35
13	Use of Polymeric Phosphine-Halogen Complexes in the Conversion of Epoxides to Halohydrins. <i>Synthesis</i> , 1986, 1986, 499-501.	2.3	34
14	Highly Stereoselective de Novo Synthesis of l-Hexoses. <i>Journal of Organic Chemistry</i> , 2010, 75, 3558-3568.	3.2	32
15	<i>N</i> -Butyl- <i>N</i> -deoxynojirimycin (<i>N</i> -NBDNJ): Synthesis of an Allosteric Enhancer of α -Glucosidase Activity for the Treatment of Pompe Disease. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9462-9469.	6.4	31
16	Synthesis and Base Pairing Properties of 1,5-Anhydro- β -Hexitol Nucleic Acids (β -HNA). <i>Chemistry - A European Journal</i> , 2009, 15, 10121-10131.	3.3	30
17	Polymer-Supported Phosphine-Halogen Complexes 4 ¹ . Improved Formylation of Alcohols with Dimethylformamide. <i>Synthetic Communications</i> , 1987, 17, 1629-1636.	2.1	29
18	Triterpenes from the galls of pistacia lentiscus. <i>Phytochemistry</i> , 1973, 12, 2534-2537.	2.9	28

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19	Triterpenes from the bled resin of Pistacia vera. <i>Phytochemistry</i> , 1978, 17, 815-817.	2.9	28
20	Diastereoselective desulfurization of 5,6-dihydro-1,4-dithiins. Synthesis of muscalure from <i>Musca domestica</i> L. <i>Tetrahedron</i> , 1994, 50, 7265-7268.	1.9	28
21	The reaction of ethanediyl S,S-acetals with halogens. <i>Tetrahedron</i> , 1986, 42, 2369-2376.	1.9	26
22	Toward l-Homo-DNA: Stereoselective de Novo Synthesis of β -l-erythro-Hexopyranosyl Nucleosides. <i>Journal of Organic Chemistry</i> , 2010, 75, 6402-6410.	3.2	26
23	A Versatile Route to Hexoses: Synthesis of l-Mannose and l-Altrose. <i>Organic Letters</i> , 2006, 8, 4863-4866.	4.6	25
24	Polymer-Supported Phosphine-Halogen Complexes - 2 A New Facile Way for Esterification of Carboxylic Acids. <i>Synthetic Communications</i> , 1986, 16, 1081-1087.	2.1	24
25	Synthesis of 1-deoxy-l-gulonojirimycin and 1-deoxy-l-talonojirimycin. <i>Tetrahedron Letters</i> , 2009, 50, 2045-2047.	1.4	24
26	Highly Stereoselective Synthesis of Lamivudine (3TC) and Emtricitabine (FTC) by a Novel <i>N</i> -Glycosidation Procedure. <i>Organic Letters</i> , 2015, 17, 2626-2629.	4.6	24
27	Triterpenes of galls of <i>Pistacia terebinthus</i> : Galls produced by <i>Pemphigus utricularius</i> . <i>Phytochemistry</i> , 1975, 14, 809-811.	2.9	23
28	Triterpenes from the galls of <i>Pistacia palestina</i> . <i>Phytochemistry</i> , 1979, 18, 896-898.	2.9	22
29	Polymer-Bound Triarylphosphine-Iodine Complexes, Convenient Coupling Reagent Systems in Peptide Synthesis. <i>Synthesis</i> , 1995, 1995, 141-143.	2.3	21
30	Reactivity of ethanediyl S,S-acetals - 3. Ring aromatization in cyclohexanone derivatives: A novelty synthesis of 1,4-benzodithiins. <i>Tetrahedron</i> , 1991, 47, 4187-4194.	1.9	20
31	Rapid Access to 1,6-Anhydro- β -hexopyranose Derivatives via Domino Reaction: Synthesis of β -Allose and β -Glucose. <i>Journal of Organic Chemistry</i> , 2008, 73, 5636-5639.	3.2	20
32	Reactivity of Ethanediyl S,S-Acetals; 2. Synthesis of 2,3-Dihydro-1,4-dithiins. <i>Synthesis</i> , 1991, 1991, 223-224.	2.3	19
33	β -Amino- α -hydroxy Esters by Asymmetric Hydroxylation of homo- β -Amino Acid Esters. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 3050-3054.	2.4	18
34	De novo approach to l-anhydrohexitol nucleosides as building blocks for the synthesis of l-hexitol nucleic acids (l-HNA). <i>Tetrahedron Letters</i> , 2008, 49, 6068-6070.	1.4	18
35	Synthesis of 4-Deoxy-l-(and d-)hexoses from Chiral Noncarbohydrate Building Blocks. <i>Journal of Organic Chemistry</i> , 2004, 69, 7033-7037.	3.2	17
36	Triterpene components of galls on the leaves of <i>Pistacia terebinthus</i> , produced by <i>Pemphigus semilunarius</i> . <i>Phytochemistry</i> , 1974, 13, 1992-1993.	2.9	16

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37	THIOSULFONIC S-ESTERS. A CONVENIENT PREPARATION OF AROMATIC SULFIDES. Phosphorous and Sulfur and the Related Elements, 1984, 19, 235-238.	0.2	16
38	Solid phase synthesis of a novel folate-conjugated 5-aminolevulinic acid methyl ester based photosensitizer for selective photodynamic therapy. Tetrahedron Letters, 2015, 56, 775-778.	1.4	16
39	Exploring the effect of chirality on the therapeutic potential of N-alkyl-deoxyiminosugars: anti-inflammatory response to Pseudomonas aeruginosa infections for application in CF lung disease. European Journal of Medicinal Chemistry, 2019, 175, 63-71.	5.5	16
40	Trimethylsilyl tetrafluoroborate a convenient reagent for solvolysis reactions. Tetrahedron Letters, 1984, 25, 577-578.	1.4	15
41	Stereoselective Synthesis of Fully Protected (S)-1,7-Dioxaspiro[5,5]undec-4-ene Derivatives of Sugars. European Journal of Organic Chemistry, 2003, 2003, 2617-2621.	2.4	15
42	Efficient synthesis of orthogonally protected anti-2,3-diamino acids. Tetrahedron, 2005, 61, 6575-6579.	1.9	15
43	Asymmetric induction in the coupling of 5,6-dihydro-1,4-dithiins with chiral aldehydes. A new synthetic approach to polyhydroxylated compounds. Tetrahedron, 1996, 52, 11857-11866.	1.9	14
44	Unexpected Products via Singlet Oxygen Oxygenation of Functionalized 5,6-Dihydro-1,4-oxathiins. Organic Letters, 2000, 2, 1205-1207.	4.6	14
45	Studies towards lipid A: a synthetic strategy for the enantioselective preparation of 3-hydroxy fatty acids. Tetrahedron: Asymmetry, 2006, 17, 2839-2841.	1.8	13
46	Synthesis and Proteomic Activity Evaluation of a new Isotope-Coded Affinity Tagging (ICAT) Reagent. Bioconjugate Chemistry, 2008, 19, 1095-1104.	3.6	13
47	^{12}C -Anhydro-ribo-hexitol Adenine Nucleic Acids (^{12}C -HNA-A): Synthesis and Chiral Selection Properties in the Mirror Image World. Journal of Organic Chemistry, 2015, 80, 5014-5022.	3.2	13
48	A novel approach to the stereocontrolled synthesis of C-vinyl ^{12}C -galactopyranosides. Carbohydrate Research, 2003, 338, 1877-1880.	2.3	12
49	A Semisynthetic Approach to New Immunoadjuvant Candidates: Site-Selective Chemical Manipulation of <i>Escherichia coli</i> Monophosphoryl Lipid...A. Chemistry - A European Journal, 2016, 22, 11053-11063.	3.3	12
50	Asymmetric Synthesis of 1,3-Dithiolane Nucleoside Analogues. European Journal of Organic Chemistry, 2003, 2003, 346-350.	2.4	11
51	Sulfur-assisted domino access to bicyclic dihydrofurans: case study and early synthetic applications. Organic and Biomolecular Chemistry, 2013, 11, 7825.	2.8	11
52	Disulfides by reduction of thiosulfonic S-esters. Tetrahedron Letters, 1982, 23, 2391-2394.	1.4	10
53	Synthesis of C-Protected 2,2-Dideutero ^{13}C -Amino Acids. Synthesis, 2006, 2006, 4013-4016.	2.3	10
54	New Insight into the Reaction of Singlet Oxygen with Sulfur-Containing Cyclic Alkenes: Dye-Sensitized Photooxygenation of 5,6-Dihydro-1,4-dithiins. Journal of Organic Chemistry, 2007, 72, 10075-10080.	3.2	10

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55	A New Strategy for the Asymmetric Synthesis of 1,3-Oxathiolane-Based Nucleoside Analogues. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 1455-1458.	2.4	9
56	New sialyl Lewisx mimic containing an $\hat{1}\pm$ -substituted $\hat{1}^2$ -amino acid spacer. <i>Carbohydrate Research</i> , 2008, 343, 31-38.	2.3	9
57	On the conversion of substituted epoxides to halohydrins. <i>Tetrahedron Letters</i> , 1985, 26, 2011-2012.	1.4	8
58	Chemistry of Ethanediyyl S,S-Acetals - 4. Promising Way to Cis-Substituted Olefins, Stereoselectively from Carbonyl Compounds. <i>Synthetic Communications</i> , 1992, 22, 1345-1350.	2.1	8
59	Chemistry of Ethanediyyl S,S-Acetals. VII. A Stereoselective Synthesis of Allylic Alcohols with cis-Configured Double Bond. <i>Synthetic Communications</i> , 1994, 24, 1223-1229.	2.1	8
60	Chemistry of Ethanediyyl X,S-Acetals 12. Diastereoselective Synthesis of (E) Alkyl Vinyl Ethers. <i>Synlett</i> , 1995, 1995, 1274-1274.	1.8	8
61	Highly diastereoselective preparation of anti- $\hat{1}\pm, \hat{1}^2$ -dialkyl $\hat{1}^2$ -amino acids containing natural $\hat{1}\pm$ -amino acid side chains. <i>Tetrahedron</i> , 2007, 63, 12202-12206.	1.9	8
62	A combined fermentative-chemical approach for the scalable production of pure E. coli monophosphoryl lipid A. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7781-7791.	3.6	8
63	Chemistry of ethanediyyl S,S-acetals 6- An example of vicarious nucleophilic substitution of hydrogen in 1,4-benzodithians. <i>Tetrahedron</i> , 1993, 49, 11383-11388.	1.9	7
64	A facile stereospecific synthesis of chiral $\hat{1}^2$ -keto sulfoxides. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 3463-3466.	1.8	7
65	Mild Stereoselective Synthesis of Fully Protected 1,6-Dioxaspiro[4.5]dec-3-ene Derivatives of Sugars. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 534-536.	2.4	7
66	A Stereoconvergent Tsuji-Trost Reaction in the Synthesis of Cyclohexenyl Nucleosides. <i>Chemistry - A European Journal</i> , 2020, 26, 2597-2601.	3.3	7
67	Thiosulfonic s-esters - 5. Mechanistic aspects of the reaction with chlorotrimethylsilane and sodium iodide. <i>Tetrahedron</i> , 1986, 42, 5377-5383.	1.9	6
68	Stereostructure and formation mechanism of a new substituted benzofuran from phomenone.. <i>Tetrahedron</i> , 1986, 42, 4493-4498.	1.9	6
69	Chemistry of Ethanediyyl S,S-Acetals 9-Asymmetric Synthesis of Chiral cis-Allylic Alcohols. <i>Synthetic Communications</i> , 1995, 25, 1517-1522.	2.1	6
70	An expeditious procedure for the synthesis of isotopically labelled fatty acids: preparation of 2,2-d ₂ -nonadecanoic acid. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2006, 49, 675-682.	1.0	5
71	A One-Step Synthesis of 2,3-Dihydro-1,4-benzothiazines and Phenothiazines from 1,3-Thiazolidine Derivatives of Cyclohexanones. <i>Heterocycles</i> , 1993, 36, 1641.	0.7	4
72	A General Route to D- and L-Six-Membered Nucleoside Analogues. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 959-962.	1.1	4

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73	Synthesis of 2,3-dihydro-1,4-dithianyl nucleosides via Pummerer-type glycosidation. <i>Tetrahedron Letters</i> , 2010, 51, 6060-6063.	1.4	4
74	Beyond Achmatowicz reaction: DDQ-mediated chemo- and stereoconvergent domino-one pot cyclization/rearrangement of bis-thioenol ether-containing chiral building blocks. <i>Tetrahedron Letters</i> , 2014, 55, 7007-7010.	1.4	4
75	Oligonucleotides containing a ribo-configured cyclohexanyl nucleoside: probing the role of sugar conformation in base pairing selectivity. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10041-10049.	2.8	4
76	A Versatile Synthesis of Enantiomerically Pure D- and L-Pyranosyl Nucleoside Analogues. <i>Nucleosides & Nucleotides</i> , 1999, 18, 651-652.	0.5	3
77	A New Approach to The Synthesis of Enantiomerically Pure 4-Deoxy Sugars. <i>Journal of Carbohydrate Chemistry</i> , 2000, 19, 631-634.	1.1	3
78	Triphenylphosphine Polymer-Bound/Iodine Complex: A Suitable Reagent for the Preparation of O-Isopropylidene Sugar Derivatives. <i>Synthesis</i> , 2006, 2006, 305-308.	2.3	3
79	Synthesis, spectral properties, and use of Thiodan, a new thiol-specific fluorescent reagent. <i>The Protein Journal</i> , 1985, 4, 133-140.	1.1	1
80	A New Three Carbon Homologation Via Sulfur Containing Heterocyclic Systems. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1999, 153, 409-410.	1.6	1