

Barbara La Ferla

List of Publications by Year in descending order

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92
papers

2,533
citations

186209

28
h-index

214721

47
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113
all docs

113
docs citations

113
times ranked

3627
citing authors

#	ARTICLE	IF	CITATIONS
1	Curcumin-decorated nanoliposomes with very high affinity for amyloid- β 1-42 peptide. <i>Biomaterials</i> , 2011, 32, 1635-1645.	5.7	198
2	Functionalization of liposomes with ApoE-derived peptides at different density affects cellular uptake and drug transport across a blood-brain barrier model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 551-559.	1.7	149
3	Versatile and Efficient Targeting Using a Single Nanoparticulate Platform: Application to Cancer and Alzheimer's Disease. <i>ACS Nano</i> , 2012, 6, 5866-5879.	7.3	127
4	Effect of curcumin-associated and lipid ligand-functionalized nanoliposomes on aggregation of the Alzheimer's A β peptide. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 541-550.	1.7	122
5	Beta Amyloid Aggregation Inhibitors: Small Molecules as Candidate Drugs for Therapy of Alzheimers Disease. <i>Current Medicinal Chemistry</i> , 2010, 17, 2990-3006.	1.2	116
6	Evaluation of the probiotic properties of new Lactobacillus and Bifidobacterium strains and their in vitro effect. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 5613-5626.	1.7	80
7	A Randomized, Double-Blind, Placebo-Controlled Trial: The Efficacy of Multispecies Probiotic Supplementation in Alleviating Symptoms of Irritable Bowel Syndrome Associated with Constipation. <i>BioMed Research International</i> , 2016, 2016, 1-10.	0.9	73
8	Organ Distribution and Bone Tropism of Cellulose Nanocrystals in Living Mice. <i>Biomacromolecules</i> , 2015, 16, 2862-2871.	2.6	72
9	General Methods for Iminosugar Synthesis. <i>Current Topics in Medicinal Chemistry</i> , 2003, 3, 485-511.	1.0	72
10	Natural glycoconjugates with antitumor activity. <i>Natural Product Reports</i> , 2011, 28, 630-648.	5.2	70
11	Inhibition of the Hexosamine Biosynthetic Pathway by targeting PGM3 causes breast cancer growth arrest and apoptosis. <i>Cell Death and Disease</i> , 2018, 9, 377.	2.7	68
12	Novel Tn antigen-containing neoglycopeptides: synthesis and evaluation as anti tumor vaccines. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 1639-1646.	1.4	59
13	Carbohydrate-Based Molecular Scaffolding. <i>Journal of Carbohydrate Chemistry</i> , 2006, 25, 97-138.	0.4	53
14	Microencapsulation of new probiotic formulations for gastrointestinal delivery: in vitro study to assess viability and biological properties. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9779-9789.	1.7	50
15	Flavonoids in the Treatment of Alzheimer's and Other Neurodegenerative Diseases. <i>Current Medicinal Chemistry</i> , 2018, 25, 3228-3246.	1.2	49
16	Nitrogen-doped carbon quantum dots obtained hydrothermally from citric acid and urea: The role of the specific nitrogen centers in their electrochemical and optical responses. <i>Electrochimica Acta</i> , 2021, 387, 138557.	2.6	44
17	cis-Glyco-fused benzopyran compounds as new amyloid- β peptide ligands. <i>Chemical Communications</i> , 2011, 47, 10266.	2.2	40
18	Carbohydrate mimetics and scaffolds: sweet spots in medicinal chemistry. <i>Future Medicinal Chemistry</i> , 2010, 2, 587-599.	1.1	38

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19	Synthesis and Biological Evaluation of an Anticancer Vaccine Containing the C-Glycoside Analogue of the Tn Epitope. <i>Bioconjugate Chemistry</i> , 2001, 12, 325-328.	1.8	36
20	Solution and solid-phase chemoselective synthesis of (1-6)-amino(methoxy) di- and trisaccharide analogues. <i>Chemical Communications</i> , 2002, , 1504-1505.	2.2	36
21	Lipases as Useful Tools for the Stereo- and Regioselective Protection and Deprotection of Carbohydrates. <i>Monatshefte für Chemie</i> , 2002, 133, 351-368.	0.9	35
22	Chemoselective Neoglycosylation. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2007, 61, 353-398.	0.4	35
23	Saturation Transfer Difference NMR Experiments of Membrane Proteins in Living Cells under HR-EMAS Conditions: The Interaction of the SGLT1 Co-transporter with Its Ligands. <i>Chemistry - A European Journal</i> , 2011, 17, 13395-13399.	1.7	35
24	Synthesis of disaccharidic sub-units of a new series of heparin related oligosaccharides. <i>Tetrahedron</i> , 1999, 55, 9867-9880.	1.0	33
25	A new procedure for the synthesis of C-glycosides of nojirimycin. <i>Chemical Communications</i> , 2000, , 1289-1290.	2.2	33
26	Hexosamine pathway inhibition overcomes pancreatic cancer resistance to gemcitabine through unfolded protein response and EGFR-Akt pathway modulation. <i>Oncogene</i> , 2020, 39, 4103-4117.	2.6	33
27	Synthesis and evaluation of a ¹⁸ F-curcumin derivate for β -amyloid plaque imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2753-2762.	1.4	32
28	Carbohydrate Scaffolds for the Production of Bioactive Compounds. <i>Current Organic Synthesis</i> , 2005, 2, 153-173.	0.7	31
29	Curcumin derivatives as new ligands of Al^{II} peptides. <i>Journal of Biotechnology</i> , 2011, 156, 317-324.	1.9	31
30	Stereoselective synthesis of β -C-glycosides of N-acetylgalactosamine. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 295-303.	1.8	27
31	Multifunctional LUV liposomes decorated for BBB and amyloid targeting. A. In vitro proof-of-concept. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 101, 140-148.	1.9	27
32	bioNMR-based identification of natural anti- Al^{II} compounds in <i>Peucedanum ostruthium</i> . <i>Bioorganic Chemistry</i> , 2019, 83, 76-86.	2.0	26
33	PLGA Based Nanoparticles for the Monocyte-Mediated Anti-Tumor Drug Delivery System. <i>Journal of Biomedical Nanotechnology</i> , 2020, 16, 212-223.	0.5	26
34	Synthesis of nojirimycin C-glycosides. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 2161-2165.	1.3	25
35	Synthesis of building blocks of human milk oligosaccharides. Fucosylated derivatives of the lacto- and neolacto-series. <i>Carbohydrate Research</i> , 2002, 337, 1333-1342.	1.1	24
36	Synthesis of bicyclic sugar azido acids and their incorporation in cyclic peptides. <i>Chemical Communications</i> , 2000, , 2303-2304.	2.2	23

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37	Nanoliposomes presenting on surface a cis-glycofused benzopyran compound display binding affinity and aggregation inhibition ability towards Amyloid β 1-42 peptide. <i>European Journal of Medicinal Chemistry</i> , 2014, 85, 43-50.	2.6	23
38	Combinatorial Approaches to Iminosugars as Glycosidase and Glycosyltransferase Inhibitors. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2006, 9, 571-582.	0.6	22
39	Synthesis and glycosidase inhibition properties of triazole-linked calixarene- α -imosugar clusters. <i>Tetrahedron</i> , 2014, 70, 9387-9393.	1.0	21
40	First round of a focused library of cholera toxin inhibitors. <i>Carbohydrate Research</i> , 2007, 342, 1651-1660.	1.1	18
41	Synthesis of Imino Sugar Scaffolds for the Generation of Glycosidase Inhibitor Libraries. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 2451-2470.	1.2	16
42	Structural Modifications of α -Glycofused Benzopyran Compounds and Their Influence on the Binding to Amyloid β Peptide. <i>Chemistry - an Asian Journal</i> , 2016, 11, 299-309.	1.7	16
43	Easy and stereoselective synthesis of the phosphono analogue of β -L-rhamnose 1-phosphate. <i>Tetrahedron Letters</i> , 1997, 38, 5567-5568.	0.7	15
44	Arabinose-derived bicyclic amino acids: synthesis, conformational analysis and construction of an α -selective RGD peptide. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 638-644.	1.3	15
45	Synthesis and Conformational Analysis of Galactose-Derived Bicyclic Scaffolds. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 2925-2933.	1.2	15
46	Iminosugar Analogues of Phosphatidyl Inositol as Potential Inhibitors of Protein Kinase B (Akt). <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5012-5019.	1.2	15
47	α -Glycofused Benzopyran Derivatives as Hit Compounds for the Development of Therapeutic and Diagnostic Tools against Neurodegenerative Diseases. <i>ChemPlusChem</i> , 2014, 79, 835-843.	1.3	15
48	Synthesis of the Dimethyl Ester of 1-Deoxy- α -D-glucosyl- α -D-glucopyranosylmethylphosphonate: A New Approach to Iminosugar Phosphonates. <i>Journal of Carbohydrate Chemistry</i> , 2006, 25, 151-162.	0.4	14
49	Synthesis of glycofused Bicyclic Compounds; Conformationally Constrained Scaffolds and Useful Polyfunctional Building Blocks. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2549-2556.	1.2	14
50	Glycofunctionalization of Poly(lactic-co-glycolic acid) Polymers: Building Blocks for the Generation of Defined Sugar-Coated Nanoparticles. <i>Organic Letters</i> , 2018, 20, 3509-3512.	2.4	14
51	Direct Synthesis of the Isosteric Phosphono Analogues of β -L-Rhamnose 1-Phosphate and β -L-Fucose 1-Phosphate. <i>Journal of Carbohydrate Chemistry</i> , 1998, 17, 1003-1013.	0.4	13
52	A highly convergent approach to O- and N-linked glycopeptide analogues. <i>Glycoconjugate Journal</i> , 1999, 16, 399-404.	1.4	13
53	Exomethylene-3,4-ethylenedioxythiophene (emEDOT): A New Versatile Building Block for Functionalized Electropolymerized Poly(3,4-ethylenedioxythiophenes) (PEDOTs). <i>Organic Letters</i> , 2013, 15, 3502-3505.	2.4	13
54	Cellulose nanocrystals are effective in inhibiting host cell bacterial adhesion. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7018-7020.	2.9	13

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55	Regioselective lipase acylation as a useful tool for separation and selective protection of 1 ² -d-Gal(1 ⁴)-d-GlcNAc and 1 ² -d-Gal(1 ³)-d-GlcNAc disaccharides. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 3647-3651.	1.8	12
56	Carbohydrate scaffolds in chemical genetic studies. <i>Journal of Biotechnology</i> , 2009, 144, 234-241.	1.9	12
57	On-cell saturation transfer difference NMR study of Bombesin binding to GRP receptor. <i>Bioorganic Chemistry</i> , 2020, 99, 103861.	2.0	12
58	Glycoconjugate and oligosaccharide mimetics by chemoselective ligation. <i>Comptes Rendus Chimie</i> , 2003, 6, 635-644.	0.2	11
59	Fluorescent amyloid β -peptide ligand derivatives as potential diagnostic tools for Alzheimer's disease. <i>Pure and Applied Chemistry</i> , 2013, 85, 1813-1823.	0.9	11
60	Sodium glucose cotransporter 1 ligand BLF501 as a novel tool for management of gastrointestinal mucositis. <i>Molecular Cancer</i> , 2014, 13, 23.	7.9	11
61	Easy Chemo-Enzymatic Synthesis of Human Milk Trisaccharides from a Common Selectively Protected Lactose Building Block. <i>Journal of Carbohydrate Chemistry</i> , 2000, 19, 331-343.	0.4	10
62	Synthesis of C-Glycoconjugates from Readily Available Unprotected C-Allyl Glycosides by Chemoselective Ligation. <i>Journal of Carbohydrate Chemistry</i> , 2008, 27, 203-213.	0.4	10
63	Dansyl α -D-Glucoside as a Novel Agent Against Endotoxic Shock. <i>ChemMedChem</i> , 2010, 5, 1677-1680.	1.6	9
64	Controlled-Length Efficient Synthesis of Heterobifunctionalized Oligo Ethylene Glycols. <i>Synlett</i> , 2013, 24, 709-712.	1.0	9
65	Comparison of Various Types of Ligand Decorated Nanoliposomes for their Ability to Inhibit Amyloid Aggregation and to Reverse Amyloid Cytotoxicity. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 2267-2276.	1.0	9
66	Synthesis of potential inhibitors of carbohydrate processing enzymes. <i>Carbohydrate Polymers</i> , 1998, 37, 291-298.	5.1	7
67	Polycyclic scaffolds from fructose. <i>Tetrahedron Letters</i> , 2002, 43, 1355-1357.	0.7	7
68	α -D-Glucopyranosyl Monomers, Oligomers and Fibrils: Structural Features. <i>Current Bioactive Compounds</i> , 2011, 7, 198-213.	0.2	7
69	Design, Synthesis, and Preliminary Biological Evaluation of GlcNAc-6P Analogues for the Modulation of Phosphoacetylglucosamine Mutase 1 (AGM1/PGM3). <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1946-1952.	1.2	7
70	Conversion of Lactose into Mimics of N-Acetyllactosamine. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 3437-3440.	1.2	6
71	Synthesis of labeled curcumin derivatives as tools for <i>in vitro</i> blood brain barrier trafficking studies. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2011, 54, 629-632.	0.5	6
72	18 F-labeling syntheses and preclinical evaluation of functionalized nanoliposomes for Alzheimer's disease. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 88, 257-266.	1.9	6

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73	Direct Synthesis of Glycidic Bicyclic Scaffolds in Water without Protecting Groups. <i>Synlett</i> , 2005, 2005, 2641-2642.	1.0	5
74	Synthesis of a β -Carboline Scaffold Properly Functionalized for the Generation of Libraries of Bioactive Compounds. <i>Synthesis</i> , 2010, 2010, 601-604.	1.2	5
75	Glycan Carriers As Glycotools for Medicinal Chemistry Applications. <i>Current Medicinal Chemistry</i> , 2019, 26, 6349-6398.	1.2	5
76	Cellulose nanocrystals: a multimodal tool to enhance the targeted drug delivery against bone disorders. <i>Nanomedicine</i> , 2020, 15, 2271-2285.	1.7	5
77	Easy Silica Gel Supported Desymmetrization of PEG. <i>Synlett</i> , 2009, 2009, 2325-2327.	1.0	4
78	Synthesis and Preliminary Biological Evaluation of Fluorescent Glycofused Tricyclic Derivatives of Amyloid β -Peptide Ligands. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1660-1664.	1.2	4
79	<i>N</i> -Spirofused Bicyclic Derivatives of Δ^2 -Deoxyojirimycin: Synthesis and Preliminary Biological Evaluation. <i>ChemistrySelect</i> , 2016, 1, 2444-2447.	0.7	4
80	Targeting GRP receptor: Design, synthesis and preliminary biological characterization of new non-peptide antagonists of bombesin. <i>Bioorganic Chemistry</i> , 2021, 109, 104739.	2.0	4
81	SYNTHESIS OF IMINO-C-DISACCHARIDES RELATED TO SUCROSE1. <i>Journal of Carbohydrate Chemistry</i> , 2001, 20, 667-680.	0.4	3
82	Cellulose nanocrystals as promising nano-devices in the biomedical field. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	3
83	Binary Biocompatible CNC-Gelatin Hydrogel as 3D Scaffolds Suitable for Cell Culture Adhesion and Growth. <i>Applied Nano</i> , 2021, 2, 118-127.	0.9	3
84	Solid-phase supported mimic of GDP-l-galactose. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 744-745.	1.8	1
85	Arsenical <i>C</i> -Glucoside Derivatives with Promising Antitumor Activity. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4620-4623.	1.2	1
86	Electrochemical Characterization of CdSe Monolayers Modified with Glycosilated Molecules. <i>Electroanalysis</i> , 2018, 30, 798-802.	1.5	1
87	PVP-co-DMAEMA as Novel Polymeric Coating Material for Probiotic Supplements Delivery. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900291.	1.1	1
88	Pyranoid Spirosugars as Enzyme Inhibitors. <i>Current Organic Synthesis</i> , 2021, 18, 3-22.	0.7	1
89	General Methods for Iminosugar Synthesis. <i>ChemInform</i> , 2003, 34, no.	0.1	0
90	Rigid Polycycles and Peptidomimetics from Carbohydrate Synthons. <i>ChemInform</i> , 2004, 35, no.	0.1	0

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91	Glycoconjugate and Oligosaccharide Mimetics by Chemoselective Ligation. ChemInform, 2004, 35, no.	0.1	0
92	Lipases as Useful Tools for the Stereo- and Regioselective Protection and Deprotection of Carbohydrates. , 2002, , 1-18.		0