

Thierry Benvegna

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7953705/publications.pdf>

Version: 2024-02-01

59
papers

1,670
citations

331670

21
h-index

302126

39
g-index

63
all docs

63
docs citations

63
times ranked

1748
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerosol-Mediated Non-Viral Lung Gene Therapy: The Potential of Aminoglycoside-Based Cationic Liposomes. <i>Pharmaceutics</i> , 2022, 14, 25.	4.5	7
2	Transformation of Pectins into Non-Ionic or Anionic Surfactants Using a One-Pot and Cascade Mode Process. <i>Molecules</i> , 2021, 26, 1956.	3.8	7
3	Direct Conversion of Alginate Oligo- and Polysaccharides into Biodegradable and Non-ecotoxic Anionic Furanic Surfactants—An Experimental and Mechanistic Study. <i>Advanced Sustainable Systems</i> , 2021, 5, 2100108.	5.3	5
4	Direct Conversion of Agarose into Alkyl Mono- and Disaccharide Surfactants Based on 3,6-Anhydro L- and D-Galactose Units. <i>ChemistrySelect</i> , 2021, 6, 389-395.	1.5	2
5	Glycoside Hydrolases and Glycosyltransferases from Hyperthermophilic Archaea: Insights on Their Characteristics and Applications in Biotechnology. <i>Biomolecules</i> , 2021, 11, 1557.	4.0	20
6	Model Affitin and PEG modifications onto siRNA lipid nanocapsules: cell uptake and in vivo biodistribution improvements. <i>RSC Advances</i> , 2019, 9, 27264-27278.	3.6	11
7	Extracted ulvans from green algae <i>Ulva linza</i> of Lebanese origin and amphiphilic derivatives: evaluation of their physico-chemical and rheological properties. <i>Journal of Applied Phycology</i> , 2019, 31, 1931-1946.	2.8	23
8	Lipid bolaamphiphiles for fabricating membrane-mimetic biomaterials. , 2018, , 113-156.		0
9	Dendritic Cell Targeting mRNA Lipopolyplexes Combine Strong Antitumor T-Cell Immunity with Improved Inflammatory Safety. <i>ACS Nano</i> , 2018, 12, 9815-9829.	14.6	98
10	Isolation of Bioactive Compounds from <i>Calicotome villosa</i> Stems. <i>Molecules</i> , 2018, 23, 851.	3.8	12
11	Efficient transfection of Xenobiotic Responsive Element-biosensor plasmid using diether lipid and phosphatidylcholine liposomes in differentiated HepaRG cells. <i>International Journal of Pharmaceutics</i> , 2017, 524, 268-278.	5.2	6
12	Synthesis of a novel archaeal tetraether-type lipid containing a diorthoester group as a helper lipid for gene delivery. <i>Tetrahedron Letters</i> , 2016, 57, 2976-2980.	1.4	6
13	Structural and rheological properties of kappa ($\hat{\text{I}}^{\text{e}}$)-carrageenans covalently modified with cationic moieties. <i>Journal of Polymer Research</i> , 2016, 23, 1.	2.4	12
14	Data on characterization of nano- and micro-structures resulting from glycine betaine surfactant/kappa-carrageenan interactions by Laser Scanning Confocal Microscopy and Transmission Electron Microscopy. <i>Data in Brief</i> , 2016, 9, 508-523.	1.0	2
15	Folate-conjugated stealth archaeosomes for the targeted delivery of novel antitumoral peptides. <i>RSC Advances</i> , 2016, 6, 75234-75241.	3.6	9
16	Synthesis of a trimannosylated-equipped archaeal diether lipid for the development of novel glycoliposomes. <i>Carbohydrate Research</i> , 2016, 435, 142-148.	2.3	11
17	Extracted and depolymerized alginates from brown algae <i>Sargassum vulgare</i> of Lebanese origin: chemical, rheological, and antioxidant properties. <i>Journal of Applied Phycology</i> , 2016, 28, 1915-1929.	2.8	52
18	Interactions and hybrid complex formation of anionic algal polysaccharides with a cationic glycine betaine-derived surfactant. <i>Carbohydrate Polymers</i> , 2015, 121, 436-448.	10.2	23

#	ARTICLE	IF	CITATIONS
19	Chapter 17. Glycolipid-based nanosystems for the delivery of drugs, genes and vaccine adjuvant applications. <i>Carbohydrate Chemistry</i> , 2014, , 341-377.	0.3	4
20	Modification of bipolar lipid conformation at the air/water interface by a single stereochemical variation. <i>Chemistry and Physics of Lipids</i> , 2014, 183, 9-17.	3.2	4
21	Effects of a Novel Archaeal Tetraether-Based Colipid on the <i>In Vivo</i> Gene Transfer Activity of Two Cationic Amphiphiles. <i>Molecular Pharmaceutics</i> , 2014, 11, 2973-2988.	4.6	19
22	Collapsed bipolar glycolipids at the air/water interface: Effect of the stereochemistry on the stretched/bent conformations. <i>Journal of Colloid and Interface Science</i> , 2013, 412, 72-81.	9.4	5
23	Folate-Equipped Nanolipoplexes Mediated Efficient Gene Transfer into Human Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2013, 14, 1477-1501.	4.1	20
24	Stereochemical Effect Revealed in Self-Assemblies Based on Archaeal Lipid Analogues Bearing a Central Five-Membered Carbocycle: A SAXS Study. <i>Langmuir</i> , 2012, 28, 7591-7597.	3.5	18
25	How the Stereochemistry of a Central Cyclopentyl Ring Influences the Self-Assembling Properties of Archaeal Lipid Analogues: Synthesis and CryoTEM Observations. <i>Journal of Organic Chemistry</i> , 2011, 76, 9738-9747.	3.2	20
26	Selective gene delivery in dendritic cells with mannosylated and histidylated lipopolyplexes. <i>Journal of Drug Targeting</i> , 2011, 19, 315-325.	4.4	55
27	Preparation and Characterization of Stealth Archaeosomes Based on a Synthetic PEGylated Archaeal Tetraether Lipid. <i>Journal of Drug Delivery</i> , 2011, 2011, 1-11.	2.5	32
28	Highly efficient gene transfer into hepatocyte-like HepaRG cells: New means for drug metabolism and toxicity studies. <i>Biotechnology Journal</i> , 2010, 5, 314-320.	3.5	46
29	Air/water interface study of cyclopentane-containing archaeal bipolar lipid analogues. <i>Chemistry and Physics of Lipids</i> , 2010, 163, 794-799.	3.2	12
30	Synthesis and evaluation of C-glycosides as hydrotropes and solubilizing agents. <i>Science China Chemistry</i> , 2010, 53, 1957-1962.	8.2	10
31	Folate PEGylated archaeal lipids: Cell targeting and drug delivery. <i>Journal of Controlled Release</i> , 2010, 148, e115-e116.	9.9	2
32	Horner-Wadsworth-Emmons Reaction of Unprotected Sugars in Water or in the Absence of Any Solvent: One-Step Access to C-Glycoside Amphiphiles. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 1314-1323.	2.4	40
33	Oligomannuronates from Seaweeds as Renewable Sources for the Development of Green Surfactants. <i>Topics in Current Chemistry</i> , 2010, 294, 143-164.	4.0	12
34	Regioselective synthesis of folic acid conjugates from diether-type archaeal lipid analogues. <i>Tetrahedron</i> , 2009, 65, 1455-1460.	1.9	3
35	Synthesis of 1-octadecyl 5-betainylamino-5-deoxy- β -D-fructopyranoside hydrochloride as a new long-chain cationic sugar-based surfactant. <i>Carbohydrate Research</i> , 2009, 344, 136-139.	2.3	11
36	Supramolecular Structures Based on New Bolaamphiphile Molecules Investigated by Small Angle and Wide Angle X-ray Scattering and Polarized Optical Microscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 15433-15444.	2.6	10

#	ARTICLE	IF	CITATIONS
37	Archaeal tetraether bipolar lipids: Structures, functions and applications. <i>Biochimie</i> , 2009, 91, 711-717.	2.6	103
38	New Generation of Liposomes Called Archaeosomes Based on Natural or Synthetic Archaeal Lipids as Innovative Formulations for Drug Delivery. <i>Recent Patents on Drug Delivery and Formulation</i> , 2009, 3, 206-220.	2.1	66
39	Folate-Equipped Pegylated Archaeal Lipid Derivatives: Synthesis and Transfection Properties. <i>Chemistry - A European Journal</i> , 2008, 14, 8330-8340.	3.3	49
40	Archaeal Lipids: Innovative Materials for Biotechnological Applications. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 4725-4744.	2.4	55
41	Synthesis of unsymmetrical saturated or diacetylenic cationic bolaamphiphiles. <i>Tetrahedron Letters</i> , 2008, 49, 7419-7422.	1.4	18
42	Surfactants from Renewable Sources: Synthesis and Applications. , 2008, , 153-178.		9
43	Glycine betaine as a renewable raw material to "greener" new cationic surfactants. <i>Green Chemistry</i> , 2008, 10, 310.	9.0	56
44	Progress in Cationic Lipid-Mediated Gene Transfection: A Series of Bio- Inspired Lipids as an Example. <i>Current Gene Therapy</i> , 2008, 8, 296-312.	2.0	137
45	Synthesis of Archaeal Bipolar Lipid Analogues: A Way to Versatile Drug/Gene Delivery Systems. <i>Journal of Organic Chemistry</i> , 2007, 72, 8267-8279.	3.2	59
46	Synthesis and Physico-Chemical Properties of Novel Biocompatible Alkyl-D-Mannopyranosiduronate Surfactants Derived from Alginate. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 3085-3094.	2.4	20
47	Archaeobacteria bipolar lipid analogues: structure, synthesis and lyotropic properties. <i>Current Opinion in Colloid and Interface Science</i> , 2004, 8, 469-479.	7.4	100
48	Synthesis and Supramolecular Assemblies of Bipolar Archaeal Glycolipid Analogues Containing a cis-1,3-Disubstituted Cyclopentane Ring. <i>Journal of the American Chemical Society</i> , 2004, 126, 10003-10012.	13.7	39
49	β -Anomeric selectivity in the glycosidation of d-mannofuranurono-6,3-lactone catalyzed by boron trifluoride diethyl etherate. <i>Carbohydrate Research</i> , 2003, 338, 375-378.	2.3	4
50	Supramolecular Self-Assembling Properties of Membrane-Spanning Archaeal Tetraether Glycolipid Analogues. <i>Chemistry - A European Journal</i> , 2002, 8, 585-593.	3.3	27
51	Cationic lipids derived from glycine betaine promote efficient and non-toxic gene transfection in cultured hepatocytes. <i>Journal of Gene Medicine</i> , 2002, 4, 415-427.	2.8	33
52	Efficient Synthesis of Unsymmetrical Bolaamphiphiles for Spontaneous Formation of Vesicles and Disks with a Transmembrane Organization. <i>Langmuir</i> , 2001, 17, 613-618.	3.5	72
53	Diastereospecific synthesis and amphiphilic properties of new alkyl β -D-fructopyranosides. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 951-960.	0.9	20
54	Synthetic Approaches to Novel Archaeal Tetraether Glycolipid Analogues. <i>Journal of Organic Chemistry</i> , 1999, 64, 3139-3150.	3.2	28

#	ARTICLE	IF	CITATIONS
55	Synthesis and liquid-crystalline properties of novel archaeal diether-type glycolipids possessing one or two furanosyl units. Carbohydrate Research, 1998, 314, 65-77.	2.3	21
56	Self-Organization and Formation of Liquid Crystal Phases by Molecular Templates Related to Membrane Components of Archaeobacteria. Angewandte Chemie - International Edition, 1998, 37, 2511-2515.	13.8	44
57	An efficient synthesis of analogues of unsymmetrical archaeal tetraether glycolipids. Chemical Communications, 1998, , 1571-1572.	4.1	9
58	A convenient synthesis of disaccharides containing furanoside units. Carbohydrate Research, 1997, 299, 7-14.	2.3	48
59	n-Pentenyl Furanosides and Related Glycosyl Donors for the Synthesis of Archaeol Glycolipid Analogues. Synlett, 1996, 1996, 817-819.	1.8	11