

Volkmar Vill

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/731018/publications.pdf>

Version: 2024-02-01

66
papers

1,293
citations

361413

20
h-index

395702

33
g-index

72
all docs

72
docs citations

72
times ranked

866
citing authors

#	ARTICLE	IF	CITATIONS
1	Tannin-Mordant Coloration with Matcha (<i>Camelia sinensis</i>) and Iron(II)-Lactate on Human Hair Tresses. <i>Molecules</i> , 2021, 26, 829.	3.8	7
2	Self-Organisation, Thermotropic and Lyotropic Properties of Glycolipids Related to their Biological Implications. <i>The Open Biochemistry Journal</i> , 2015, 9, 49-72.	0.5	35
3	Crystal structure of cholest-5-en-3 β -yl 3-(2,4-dimethoxy-3-methylphenyl)prop-2-enoate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o92-o93.	0.5	0
4	Cholest-5-en-3 β -yl 3-(4-ethoxyphenyl)prop-2-enoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o2064-o2064.	0.2	1
5	Structural polymorphism of hydrated monoacylated maltose glycolipids. <i>Chemistry and Physics of Lipids</i> , 2008, 155, 31-37.	3.2	5
6	Structural polymorphism of hydrated ether-linked dimyristyl maltoside and melibioside. <i>Chemistry and Physics of Lipids</i> , 2008, 151, 18-29.	3.2	9
7	Synthesis and molecular structure of asymmetric 2,2 α -(4-(alkyloxy)-1,3-phenylene)bis(1-(4-substitutedphenyl)diazene): Crystal structure of 2,2 α -(4-(octyloxy)-1,3-phenylene)bis(1-(4-chlorophenyl)diazene). <i>Journal of Molecular Structure</i> , 2008, 882, 1-8.	3.6	5
8	Dichroic photo- and electroluminescence of oligo p-(phenylene vinylene) derivatives. <i>Synthetic Metals</i> , 2007, 157, 222-227.	3.9	20
9	Structural preferences of dioleoyl glycolipids with mono- and disaccharide head groups. <i>Chemistry and Physics of Lipids</i> , 2007, 149, 52-58.	3.2	10
10	The stereochemistry of glycolipids. A key for understanding membrane functions?. <i>Liquid Crystals</i> , 2006, 33, 1351-1358.	2.2	22
11	Nematic and Smectic a Phases in Ortho-Hydroxy-Para-Hexadecanoyloxybenzylidene-Para-Substituted Anilines. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 452, 63-72.	0.9	30
12	An Improved Synthetic Procedure for the Preparation of N α -Acyl (2 α -aminoethyl) α -D-Glucopyranoside Lipids and Characterization of Their Mesogenic Properties. <i>Journal of Carbohydrate Chemistry</i> , 2006, 25, 615-632.	1.1	4
13	Synthesis and mesomorphic properties of glycosyl dialkyl- and diacyl-glycerols bearing saturated, unsaturated and methyl branched fatty acid and fatty alcohol chains. <i>Chemistry and Physics of Lipids</i> , 2005, 135, 1-14.	3.2	10
14	Synthesis and mesomorphic properties of glycosyl dialkyl- and diacyl-glycerols bearing saturated, unsaturated and methyl branched fatty acid and fatty alcohol chains. <i>Chemistry and Physics of Lipids</i> , 2005, 135, 15-26.	3.2	10
15	Structures of micelles formed by synthetic alkyl glycosides with unsaturated alkyl chains. <i>Journal of Colloid and Interface Science</i> , 2005, 284, 704-713.	9.4	32
16	Mixed Micelles Formed by SDS and a Bolaamphiphile with Carbohydrate Headgroups. <i>Langmuir</i> , 2005, 21, 6707-6711.	3.5	24
17	Comparison of the Supramolecular Structures of Two Glyco Lipids with Chiral and Nonchiral Methyl-Branched Alkyl Chains from Natural Sources. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1599-1608.	2.6	10
18	Antiferroelectric ordering of amphiphilic glycolipids in bent-core liquid crystals. <i>Physical Review E</i> , 2004, 69, 021703.	2.1	12

#	ARTICLE	IF	CITATIONS
19	Enantiopure Trioxadecalin Derived Liquid Crystals: Influence of the Nature of the Phenyl Substituent on the Mesogenic Properties.. ChemInform, 2004, 35, no.	0.0	0
20	Micellar structure of a sugar based bolaamphiphile in pure solution and destabilizing effects in mixtures of glycolipids. Chemical Physics Letters, 2004, 392, 105-109.	2.6	17
21	Cellulose-Based Polymers with Long-Chain Pendant Ferrocene Derivatives as Organometallic Chromophores. Organometallics, 2004, 23, 3853-3864.	2.3	19
22	Enantiopure Trioxadecalin Derived Liquid Crystals: Influence of the Nature of the Phenyl Substituent on the Mesogenic Properties. Journal of Carbohydrate Chemistry, 2003, 22, 685-703.	1.1	8
23	Novel Nitronyl Nitroxides: Synthesis and Properties. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2002, 57, 677-684.	0.7	11
24	Dimeric liquid crystals with two troponoid mesogenic moieties: effect of the direction of the carbonyl group on the mesomorphic properties. Liquid Crystals, 2002, 29, 687-695.	2.2	12
25	Carbohydrate liquid crystals: structure-property relationship of thermotropic and lyotropic glycolipids. Current Opinion in Colloid and Interface Science, 2002, 7, 395-409.	7.4	111
26	Liquid Crystalline Trioxadecalins: The Mesogenic Chirality as Sensor for Molecular Conformation and Orientation. ACS Symposium Series, 2001, , 206-213.	0.5	0
27	ENANTIOPURE TRIOXADECALIN DERIVED LIQUID CRYSTALS: INFLUENCE OF PHENYL SUBSTITUTION ON THE MESOGENIC PROPERTIES. Journal of Carbohydrate Chemistry, 2001, 20, 315-327.	1.1	3
28	Chemical Structures and Polymorphism. , 2001, , 101-114.		2
29	Synthesis and Mesogenic Properties of Enantiopure Trioxadecalin Derivatives Bearing an n-Alkylphenyl Substituent. Journal of Chemical Research, 2001, 2001, 461-462.	1.3	3
30	Sugar Amphiphiles as Revealing Dopants for Induced Chiral Nematic Lyotropic Liquid Crystals. Journal of Colloid and Interface Science, 2001, 236, 108-115.	9.4	12
31	Stereospecific Synthesis of New Trioxadecalin-Derived Liquid Crystals Bearing Halogen Substituents on the Phenyl Ring. European Journal of Organic Chemistry, 2001, 2001, 375-381.	2.4	13
32	Directional Effects of the Carbonyl Group on the Mesogenic Properties of Twin Troponoids. Molecular Crystals and Liquid Crystals, 2001, 365, 1-5.	0.3	0
33	An Optically Active Diarylethene Having Cholesterol Units: A Dopant for Photoswitching of Liquid Crystal Phases. Chemistry Letters, 2000, 29, 654-655.	1.3	34
34	Conformational and Thermal Phase Behavior of Oligomethylene Chains Constrained by Carbohydrate Hydrogen-Bond Networks. Journal of the American Chemical Society, 2000, 122, 12327-12333.	18.7	73
35	Mesogenic Properties of Bis(5-Alkoxytroponato)Metals. Molecular Crystals and Liquid Crystals, 1999, 332, 127-134.	0.3	5
36	Hexakis(terthiophenylthio)benzene as a New Class Liquid Crystalline Molecule. Journal of Chemical Research Synopses, 1999, , 596-597.	0.3	15

#	ARTICLE	IF	CITATIONS
37	Convergent Synthesis of Columnar Twins and Tetramers from Triphenylene Building Blocks – The First Example of a Columnar Spiro-Twin. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 2499-2506.	2.4	52
38	Grey levels in the history of liquid crystals. <i>Liquid Crystals</i> , 1998, 24, 21-24.	2.2	8
39	Synthesis and Properties of Bis(5-alkoxytropolonato) Metallomesogens. <i>Chemistry Letters</i> , 1998, 27, 601-602.	1.3	6
40	New Twin-Type Troponoid Liquid Crystals with a Smectic C Phase. <i>Chemistry Letters</i> , 1998, 27, 617-618.	1.3	6
41	Preliminary communication : Development of an incremental system for the prediction of the nematic-isotropic phase transition temperature of liquid crystals with two aromatic rings. <i>Liquid Crystals</i> , 1997, 22, 519-523.	2.2	14
42	Homologous Series of Liquid Crystalline Steroidal Lipids. <i>Journal of Physical and Chemical Reference Data</i> , 1997, 26, 291-333.	4.2	22
43	Vorlander's wheel. <i>Liquid Crystals</i> , 1997, 23, 813-819.	2.2	24
44	Synthesis and Photochemical Behaviour of 3-(Estran-16-yl)acrylates and 2-(Estran-16-yl)vinyl Ketones. <i>Journal of Chemical Research Synopses</i> , 1997, , 248-249.	0.3	18
45	Cholesteric helix inversion: investigations on the influence of the terminal group on the inversion of the helical pitch in trioxadecalins. <i>Journal of Materials Chemistry</i> , 1997, 7, 893-899.	6.7	13
46	Investigation of the influence of carbohydrate amphiphiles on the complex catalysed asymmetric hydrogenation of (Z)-methyl \pm -acetamidocinnamate in water. <i>Journal of Molecular Catalysis A</i> , 1997, 116, 231-236.	4.8	33
47	Prediction of Material Properties from Chemical Structures. The Clearing Temperature of Nematic Liquid Crystals Derived from Their Chemical Structures by Artificial Neural Networks. <i>Journal of Chemical Information and Computer Sciences</i> , 1996, 36, 1173-1177.	2.8	16
48	Re-entrant and induced mesophases: Mixed systems showing re-entrant TGB _A and re-entrant cholesteric phases. <i>Liquid Crystals</i> , 1996, 20, 547-552.	2.2	27
49	Structural variation of liquid crystalline trioxadecalins. <i>Journal of Materials Chemistry</i> , 1996, 6, 739.	6.7	18
50	Predicting the transition temperature of smectic liquid crystalline compounds from their structure using artificial neural networks. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996, , 1685-1689.	0.9	8
51	Cholesteric helix inversion: Novel nitro compounds showing unusual changes of the cholesteric helical pitch. <i>Liquid Crystals</i> , 1996, 20, 449-452.	2.2	11
52	Liquid crystals derived from carbohydrates: Synthesis and properties of oxadecaline compounds. <i>Liebigs Annalen</i> , 1995, 1995, 1055-1059.	0.8	19
53	Use of glucose as a trifunctional building block for chiral liquid crystals. <i>Journal of Materials Chemistry</i> , 1995, 5, 2283.	6.7	4
54	Mesomorphic derivatives of the 6-amino-6-deoxy-D-galactose. <i>Journal of Materials Chemistry</i> , 1995, 5, 2073.	6.7	6

#	ARTICLE	IF	CITATIONS
55	Carbohydrate-based liquid crystals: new compounds showing re-entrant TGBA and cholesteric phases and dopant-induced TGBA, SA and SC* phases. Journal of the Chemical Society Chemical Communications, 1995, , 1047.	2.0	23
56	Liquid Crystalline Cholestanyl and Cholesteryl Ether Lipids. Molecular Crystals and Liquid Crystals, 1994, 250, 73-83.	0.3	3
57	Sign inversion of the helical pitch in carbohydrate-based liquid crystals. Tetrahedron: Asymmetry, 1994, 5, 2443-2446.	1.8	23
58	Liquid Crystalline D-Glucose Dialkyl Acetals and Dodecyl D-Glucosides. Chemische Berichte, 1994, 127, 1065-1068.	0.2	26
59	The Development of Liquid Crystal Research. Advanced Materials, 1994, 6, 527-528.	21.0	7
60	Synthesis and properties of sulfated alkyl glycosides. Carbohydrate Research, 1992, 230, 245-256.	2.3	24
61	D-Galacturonsäurederivate, VI. D-Galacturonsäurederivate mit flüssigkristallinen Eigenschaften. Liebigs Annalen Der Chemie, 1992, 1992, 1171-1177.	0.8	18
62	Liquid Crystalline 6-Deoxy Glycosides. Journal of Carbohydrate Chemistry, 1991, 10, 771-786.	1.1	10
63	Steroidal ether lipids with liquid crystalline properties. Chemistry and Physics of Lipids, 1991, 58, 105-110.	3.2	5
64	flüssigkristalline 4,6-O-(n-Alkyliden)-D-glucopyranosen. Journal für Praktische Chemie, 1991, 333, 173-175.	0.2	10
65	Synthese und Eigenschaften kalamitischer flüssigkristalle aus desoxygenierten Kohlenhydratderivaten. Chemische Berichte, 1990, 123, 1129-1135.	0.2	19
66	Studies on liquid-crystalline glycosides. Liquid Crystals, 1989, 6, 349-356.	2.2	147