Giorgio Celebre

List of Publications by Year
in descending order

52	599	567281 15	677142 22
papers	citations	h-index	g-index

55	55	55	420
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure of biphenyl in a nematic liquid-crystalline solvent. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 2623.	1.7	49
2	Soluteâ^'Solvent Interactions and Chiral Induction in Liquid Crystals. Journal of the American Chemical Society, 2005, 127, 11736-11744.	13.7	47
3	Order and Conformation of Biphenyl in Cyanobiphenyl Liquid Crystals: A Combined Atomistic Molecular Dynamics and ¹H NMR Study. ChemPhysChem, 2014, 15, 1356-1367.	2.1	33
4	Internal rotation potential function for anisole in solution: a liquid crystal NMR study. The Journal of Physical Chemistry, 1992, 96, 2466-2470.	2.9	26
5	On the anisotropic intermolecular potential of biaxial apolar solutes in nematic solvents: Monte Carlo predictions and experimental data. Journal of Chemical Physics, 2001, 115, 9552-9556.	3.0	25
6	Is styrene planar in liquid phases?. Journal of Chemical Physics, 2004, 120, 7075-7084.	3.0	23
7	Conformational Investigation in Solution of a Fluorinated Anti-inflammatory Drug by NMR Spectroscopy in Weakly Ordering Media. Journal of Physical Chemistry B, 2014, 118, 9007-9016.	2.6	22
8	An investigation of the potential governing rotation about the Oâ€"CH2bond in 4-chloroethoxybenzene by comparing observed and calculated dipolar couplings obtained for a sample dissolved in a nematic solvent. Journal of the Chemical Society, Faraday Transactions 2, 1988, 84, 1041-1052.	1.1	21
9	The orientational ordering of a biaxial particle in a uniaxial environment by Monte Carlo sampling: a new approach to the problem. Chemical Physics Letters, 2001, 342, 375-381.	2.6	21
10	The orientational behaviour of 1,4-difluorobenzene and p-benzoquinone in ZLI1132 and EBBA nematic solvents. Chemical Physics Letters, 2003, 368, 359-364.	2.6	20
11	The conformational behaviour of naproxen and flurbiprofen in solution by NMR spectroscopy. New Journal of Chemistry, 2015, 39, 9086-9097.	2.8	20
12	The Structure of Acrolein in a Liquid Crystal Phase. Chemistry - A European Journal, 2005, 11, 3599-3608.	3.3	19
13	Short-Range Molecular Interactions Governing the Orientational Ordering of Apolar Molecules Dissolved in Nematic Solvents. Journal of Physical Chemistry B, 2003, 107, 3243-3250.	2.6	18
14	Conformational Distribution of trans-Stilbene in Solution Investigated by Liquid Crystal NMR Spectroscopy and Compared with in Vacuo Theoretical Predictions. Journal of Physical Chemistry B, 2012, 116, 2876-2885.	2.6	17
15	Intrinsic Information Content of NMR Dipolar Couplings: A Conformational Investigation of 1,3-Butadiene in a Nematic Phase. ChemPhysChem, 2006, 7, 1930-1943.	2.1	16
16	A combined LX-NMR and molecular dynamics investigation of the bulk and local structure of ionic liquid crystals. Soft Matter, 2019, 15, 4486-4497.	2.7	16
17	Assessing the stable conformations of ibuprofen in solution by means of Residual Dipolar Couplings. European Journal of Pharmaceutical Sciences, 2017, 106, 113-121.	4.0	15
18	The temperature dependence of biaxiality of solutes dissolved in nematic solvents. Physical Chemistry Chemical Physics, 2000, 2, 1883-1888.	2.8	14

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19	The structure of ethylbenzene as a solute in liquid crystalline solvents via analysis of proton NMR spectra. Physical Chemistry Chemical Physics, 2000, 2, 3405-3413.	2.8	14
20	Smectic order parameters via liquid crystal NMR spectroscopy: Application to a partial bilayer smectic A phase. European Physical Journal E, 2012, 35, 112.	1.6	14
21	On the analysis of Liquid Crystal NMR dipolar coupling data via mixed a priori-maximum entropy methods. Journal of Chemical Physics, 2006, 124, 176101.	3.0	12
22	An Explicit Relationship between the Dielectric Anisotropy and the Average Electric Field Gradient in Nematic Solvents. Journal of Physical Chemistry B, 2007, 111, 2565-2572.	2.6	12
23	Orientational Mechanisms in Liquid Crystalline Systems. 2. The Contribution to Solute Ordering from the Reaction Field Interaction between the Solute Electric Quadrupole Moment and the Solvent Electric Field Gradient. Journal of Physical Chemistry B, 2010, 114, 235-241.	2.6	12
24	Solvent smectic order parameters from solute nematic order parameters. Journal of Chemical Physics, 2008, 129, 094509.	3.0	9
25	Orientational Mechanisms in Liquid Crystalline Systems. 1. A Reaction Field Analytical Description of the Interaction between the Electric Quadrupole Moment of a Probe Solute and the Electric Field Gradient of a Nematic Solvent. Journal of Physical Chemistry B, 2010, 114, 228-234.	2.6	9
26	NMR Studies of Solutes in Liquid Crystals: Small Flexible Molecules. , 2003, , 305-324.		8
27	Multitechnique Investigation of Conformational Features of Small Molecules:Â the Case of Methyl Phenyl Sulfoxide. Journal of Physical Chemistry B, 2008, 112, 2095-2101.	2.6	8
28	CalculatedVersusâ€œExperimentalâ€•Force Fields: The Influence in the Structure Determination of Benzene by NMR Spectroscopy in Liquid Crystal Solvents. Molecular Crystals and Liquid Crystals, 2007, 465, 289-299.	0.9	7
29	Doped ionic liquid crystals as effective weakly alignment media for polar solutes. Journal of Magnetic Resonance, 2016, 267, 63-67.	2.1	7
30	Rigid probe solutes in a smectic-Aliquid crystal: An unconventional route to the latter's positional order parameters. Physical Review E, 2011, 84, 061703.	2.1	6
31	Conformational and Orientational Determination from Dipolar Couplings in a Weakly Ordering Organic-Based Lyotropic and a Strongly Ordering Thermotropic Liquid Crystal. Molecular Crystals and Liquid Crystals, 2015, 614, 39-53.	0.9	6
32	The combined use of deuterium NMR and computer simulations for conformational investigation of flexible molecules in nematic solutions. Computational and Theoretical Chemistry, 2005, 728, 209-214.	1.5	5
33	The use of residual dipolar couplings for conformational analysis of non-steroidal anti-inflammatory drugs dissolved in weakly ordering media. Liquid Crystals, 2018, 45, 2033-2047.	2.2	5
34	The use of heteronuclear multiple quantum spectra in the automatic analysis of NMR spectra of samples dissolved in liquid crystalline phases. Liquid Crystals, 2001, 28, 1403-1413.	2.2	4
35	Helical solutes orientationally ordered in anisotropic media composed of helical particles: Formulation of a mean torque potential sensitive to P and M chirality as a tool for the assignment of the absolute configuration of enantiomers. Journal of Molecular Liquids, 2019, 288, 111044.	4.9	4
36	Molecular Characterization of the Organic Fraction of Municipal Solid Waste and Compositional Evolution during Oxidative Processes Assessed by HR-MAS 13C NMR Spectroscopy. Applied Sciences (Switzerland), 2021, 11, 2267.	2.5	4

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37	Metabolic composition and authenticity evaluation of bergamot essential oil assessed by nuclear magnetic resonance spectroscopy. Analytical and Bioanalytical Chemistry, 2022, 414, 2297-2313.	3.7	4
38	Effects of Electrostatic Interactions on Orientational Order of Solutes in Nematic Solvents: NMR Experiments and Theoretical Predictions. Molecular Crystals and Liquid Crystals, 2002, 372, 107-120.	0.9	3
39	The prediction of ordering of parallelepipedal solute particles in nematic solvents: a comparison among different methodologies. Chemical Physics Letters, 2004, 384, 344-349.	2.6	3
40	Orientational ordering of solutes in confined nematic solvents: A possible way to probe director distributions. Physical Review E, 2006, 73, 020702.	2.1	3
41	The stable conformations of 4,4â€²-dichloro-trans-stilbene in solution by liquid crystal NMR spectroscopy. Journal of Molecular Structure, 2013, 1034, 283-288.	3.6	3
42	Detection of Significant Aprotic Solvent Effects on the Conformational Distribution of Methyl 4â€Nitrophenyl Sulfoxide: From Gasâ€Phase Rotational to Liquidâ€Crystal NMR Spectroscopy. ChemPhysChem, 2015, 16, 2327-2337.	2.1	3
43	Experimental Assessment of the Vibration-Reorientation Contribution to Liquid Crystal NMR Dipolar Couplings: The Case of Tetramethylallene Dissolved in a Nematic Mesophase. Journal of Physical Chemistry B, 2011, 115, 11119-11126.	2.6	2
44	Statistical thermodynamics of thermotropic biaxial nematic liquid crystals: An effective, molecular-field based theoretical description by means of a closed approximate form of the orientational partition function. Journal of Molecular Liquids, 2015, 209, 104-114.	4.9	2
45	Probing the sensitivity of orientational ordering as a way towards absolute enantiorecognition: Helical-particle solutes in helical-particle nematic solvents. Physical Review E, 2018, 98, .	2.1	2
46	Assessing the chirality-dependent conformational distribution of small flexible opposite enantiomers dissolved in weakly ordering enantiopure media by means of liquid crystal NMR techniques. Journal of Molecular Liquids, 2022, 347, 117994.	4.9	2
47	Ordering of Polar Solutes in Nematic Magic Mixtures : Evidences of Dipolar Effects?. Molecular Crystals and Liquid Crystals, 2003, 394, 119-125.	0.9	1
48	Effects of Electrostatic Interactions on Orientational Order of Solutes in Nematic Solvents: NMR Experiments and Theoretical Predictions. Molecular Crystals and Liquid Crystals, 2001, 372, 107-120.	0.3	1
49	Publisher's Note: Rigid probe solutes in a smectic-Aliquid crystal: An unconventional route to the latter's positional order parameters [Phys. Rev. E84, 061703 (2011)]. Physical Review E, 2011, 84, .	2.1	0
50	An analytical altitude- and wavelength-dependent expression of the j3 rate coefficient governing the photolysis of the atmospheric Ozone. Journal of Mathematical Chemistry, 2018, 56, 1515-1519.	1.5	0
51	A heuristic approach to the assessment of the root mean square quantum noise. Quantum Information Processing, 2022, 21, 1.	2.2	0
52	Chiral symmetry breaking: Frank model for the evolution of homochirality described by population dynamics. Journal of Mathematical Chemistry, 2022, 60, 681-694.	1.5	0