

Giuseppina De Luca

List of Publications by Year in descending order

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60
papers

1,066
citations

430874

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454955

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docs citations

63
times ranked

1316
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the chirality-dependent conformational distribution of small flexible opposite enantiomers dissolved in weakly ordering enantiopure media by means of liquid crystal NMR techniques. <i>Journal of Molecular Liquids</i> , 2022, 347, 117994.	4.9	2
2	Metabolic composition and authenticity evaluation of bergamot essential oil assessed by nuclear magnetic resonance spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 2297-2313.	3.7	4
3	NMR Spectroscopy Applied to the Metabolic Analysis of Natural Extracts of <i>Cannabis sativa</i> . <i>Molecules</i> , 2022, 27, 3509.	3.8	1
4	Partial Removal of Sugar from Apple Juice by Nanofiltration and Discontinuous Diafiltration. <i>Membranes</i> , 2022, 12, 712.	3.0	5
5	Order parameter and electro-optical properties in polymer-dispersed liquid crystals. <i>Liquid Crystals</i> , 2021, 48, 1206-1214.	2.2	5
6	NMR-based metabolomics analysis of Calabrian citrus fruit juices and its application to industrial process quality control. <i>Food Control</i> , 2021, 121, 107619.	5.5	16
7	Molecular Characterization of the Organic Fraction of Municipal Solid Waste and Compositional Evolution during Oxidative Processes Assessed by HR-MAS ¹³ C NMR Spectroscopy. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2267.	2.5	4
8	Urinary Metabolic Profile of Patients with Transfusion-Dependent β^0 -Thalassemia Major Undergoing Deferasirox Therapy. <i>Kidney and Blood Pressure Research</i> , 2020, 45, 455-466.	2.0	8
9	Tertiary Phosphine and Arsinic Complexes of Phosphorus Pentafluoride: Synthesis, Properties, and Electronic Structures. <i>Inorganic Chemistry</i> , 2020, 59, 4517-4526.	4.0	3
10	Amphiphiles as novel solvents for photochromics: stability and photophysical properties. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 684, 24-36.	0.9	2
11	A combined LX-NMR and molecular dynamics investigation of the bulk and local structure of ionic liquid crystals. <i>Soft Matter</i> , 2019, 15, 4486-4497.	2.7	16
12	Surface modification of molecular sieve fillers for mixed matrix membranes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 333-342.	4.7	12
13	¹ H-NMR Spectroscopy: A Possible Approach to Advanced Bitumen Characterization for Industrial and Paving Applications. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 229.	2.5	38
14	Assessing the stable conformations of ibuprofen in solution by means of Residual Dipolar Couplings. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 106, 113-121.	4.0	15
15	Phosphine and diphosphine complexes of tungsten(VI) oxide tetrafluoride. <i>Journal of Fluorine Chemistry</i> , 2017, 197, 74-79.	1.7	15
16	Complexation of Al ³⁺ and Ni ²⁺ by α -Ascorbic Acid: An Experimental and Theoretical Investigation. <i>Journal of Physical Chemistry A</i> , 2017, 121, 9773-9781.	2.5	21
17	Doped ionic liquid crystals as effective weakly alignment media for polar solutes. <i>Journal of Magnetic Resonance</i> , 2016, 267, 63-67.	2.1	7
18	Detection of Significant Aprotic Solvent Effects on the Conformational Distribution of Methyl 4-Nitrophenyl Sulfoxide: From Gas-Phase Rotational to Liquid-Crystal NMR Spectroscopy. <i>ChemPhysChem</i> , 2015, 16, 2327-2337.	2.1	3

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19	The conformational behaviour of naproxen and flurbiprofen in solution by NMR spectroscopy. <i>New Journal of Chemistry</i> , 2015, 39, 9086-9097.	2.8	20
20	Conformational and Orientational Determination from Dipolar Couplings in a Weakly Ordering Organic-Based Lyotropic and a Strongly Ordering Thermotropic Liquid Crystal. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 614, 39-53.	0.9	6
21	Biomimetic synthesis and antioxidant evaluation of 3,4-DHPEA-EDA [2-(3,4-hydroxyphenyl) ethyl (3S,4E)-4-formyl-3-(2-oxoethyl)hex-4-enoate]. <i>Food Chemistry</i> , 2014, 162, 89-93.	8.2	44
22	Order and Conformation of Biphenyl in Cyanobiphenyl Liquid Crystals: A Combined Atomistic Molecular Dynamics and ¹ H NMR Study. <i>ChemPhysChem</i> , 2014, 15, 1356-1367.	2.1	33
23	Conformational Investigation in Solution of a Fluorinated Anti-inflammatory Drug by NMR Spectroscopy in Weakly Ordering Media. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9007-9016.	2.6	22
24	An Erbium-Based Bifunctional Heterogeneous Catalyst: A Cooperative Route Towards C-C Bond Formation. <i>Molecules</i> , 2014, 19, 10218-10229.	3.8	15
25	Chromonic-Like Physical Luminescent Gels Formed by Ionic Octahedral Iridium(III) Complexes in Diluted Water Solutions. <i>Advanced Optical Materials</i> , 2013, 1, 844-854.	7.3	24
26	The stable conformations of 4,4'-dichloro-trans-stilbene in solution by liquid crystal NMR spectroscopy. <i>Journal of Molecular Structure</i> , 2013, 1034, 283-288.	3.6	3
27	Smectic order parameters via liquid crystal NMR spectroscopy: Application to a partial bilayer smectic A phase. <i>European Physical Journal E</i> , 2012, 35, 112.	1.6	14
28	Conformational Distribution of <i>trans</i> -Stilbene in Solution Investigated by Liquid Crystal NMR Spectroscopy and Compared with <i>in Vacuo</i> Theoretical Predictions. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2876-2885.	2.6	17
29	Alignment of Druglike Compounds in Lipid Bilayers Analyzed by Solid-State ¹⁹ F-NMR and Molecular Dynamics, Based on Dipolar Couplings of Adjacent CF ₃ Groups. <i>Journal of Physical Chemistry B</i> , 2012, 116, 4769-4782.	2.6	6
30	Experimental Assessment of the Vibration-Reorientation Contribution to Liquid Crystal NMR Dipolar Couplings: The Case of Tetramethylallene Dissolved in a Nematic Mesophase. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11119-11126.	2.6	2
31	Publisher's Note: Rigid probe solutes in a smectic-Aliquid crystal: An unconventional route to the latter's positional order parameters [<i>Phys. Rev. E</i> 84, 061703 (2011)]. <i>Physical Review E</i> , 2011, 84, .	2.1	0
32	Rigid probe solutes in a smectic-Aliquid crystal: An unconventional route to the latter's positional order parameters. <i>Physical Review E</i> , 2011, 84, 061703.	2.1	6
33	Antioxidant and spectroscopic studies of crosslinked polymers synthesized by grafting polymerization of ferulic acid. <i>Polymers for Advanced Technologies</i> , 2010, 21, 774-779.	3.2	18
34	A general strategy for obtaining ¹⁹ F- ¹⁹ F and ¹³ C- ¹⁹ F residual dipolar couplings in perfluorocarbons from the NMR spectroscopy of liquid crystalline samples. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7968.	2.8	7
35	The conformation and orientational order of a 1,2-disubstituted ethane nematogenic molecule (I22) in liquid crystalline and isotropic phases studied by NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2895.	2.8	12
36	Statin-like Principles of Bergamot Fruit (<i>Citrus bergamia</i>): Isolation of 3-Hydroxymethylglutaryl Flavonoid Glycosides. <i>Journal of Natural Products</i> , 2009, 72, 1352-1354.	3.0	140

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37	General MW-assisted grafting of MCM-41: Study of the dependence on time dielectric heating and solvent. <i>Green Chemistry</i> , 2009, 11, 770.	9.0	33
38	A comparison of proton-detected ¹³ C local field experiments with deuterium NMR at natural abundance for studying liquid crystals. <i>Liquid Crystals</i> , 2008, 35, 443-464.	2.2	33
39	Multitechnique Investigation of Conformational Features of Small Molecules: The Case of Methyl Phenyl Sulfoxide. <i>Journal of Physical Chemistry B</i> , 2008, 112, 2095-2101.	2.6	8
40	Solvent smectic order parameters from solute nematic order parameters. <i>Journal of Chemical Physics</i> , 2008, 129, 094509.	3.0	9
41	Calculated Versus Experimental Force Fields: The Influence in the Structure Determination of Benzene by NMR Spectroscopy in Liquid Crystal Solvents. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 465, 289-299.	0.9	7
42	Experimental analysis and simulation of the gas transport in dense Hyflon® AD60X membranes: Influence of residual solvent. <i>Polymer</i> , 2007, 48, 2619-2635.	3.8	112
43	Intrinsic Information Content of NMR Dipolar Couplings: A Conformational Investigation of 1,3-Butadiene in a Nematic Phase. <i>ChemPhysChem</i> , 2006, 7, 1930-1943.	2.1	16
44	The combined use of deuterium NMR and computer simulations for conformational investigation of flexible molecules in nematic solutions. <i>Computational and Theoretical Chemistry</i> , 2005, 728, 209-214.	1.5	5
45	NMR Spectroscopy Investigation of the Cooperative Nature of the Internal Rotational Motions in Acetophenone. <i>ChemPhysChem</i> , 2005, 6, 2086-2098.	2.1	13
46	The Structure and Conformations of 2-Thiophenecarboxaldehyde Obtained from Partially Averaged Dipolar Couplings. <i>ChemPhysChem</i> , 2005, 6, 1483-1491.	2.1	26
47	The Structure of Acrolein in a Liquid Crystal Phase. <i>Chemistry - A European Journal</i> , 2005, 11, 3599-3608.	3.3	19
48	Conformational Analysis of 2,2'-Bithiophene: A 1H Liquid Crystal NMR Study Using the ¹³ C Satellite Spectra. <i>Journal of Physical Chemistry A</i> , 2005, 109, 9953-9963.	2.5	19
49	Solute-Solvent Interactions and Chiral Induction in Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2005, 127, 11736-11744.	13.7	47
50	Is styrene planar in liquid phases?. <i>Journal of Chemical Physics</i> , 2004, 120, 7075-7084.	3.0	23
51	The orientational behaviour of 1,4-difluorobenzene and p-benzoquinone in ZLI1132 and EBBA nematic solvents. <i>Chemical Physics Letters</i> , 2003, 368, 359-364.	2.6	20
52	Short-Range Molecular Interactions Governing the Orientational Ordering of Apolar Molecules Dissolved in Nematic Solvents. <i>Journal of Physical Chemistry B</i> , 2003, 107, 3243-3250.	2.6	18
53	Ordering of Polar Solutes in Nematic Magic Mixtures : Evidences of Dipolar Effects?. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 394, 119-125.	0.9	1
54	Effects of Electrostatic Interactions on Orientational Order of Solutes in Nematic Solvents: NMR Experiments and Theoretical Predictions. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 372, 107-120.	0.9	3

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55	The use of heteronuclear multiple quantum spectra in the automatic analysis of NMR spectra of samples dissolved in liquid crystalline phases. <i>Liquid Crystals</i> , 2001, 28, 1403-1413.	2.2	4
56	A correlation between the order parameters of rigid solutes dissolved in two nematic solvents and in a mixture of them. <i>Molecular Physics</i> , 2000, 98, 559-565.	1.7	4
57	The temperature dependence of biaxiality of solutes dissolved in nematic solvents. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 1883-1888.	2.8	14
58	The structure of ethylbenzene as a solute in liquid crystalline solvents via analysis of proton NMR spectra. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 3405-3413.	2.8	14
59	Structure of biphenyl in a nematic liquid-crystalline solvent. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 2623.	1.7	49
60	An Integrated Approach Based on NMR and HPLC-UV-ESI-MS/MS to Characterize Apple Juices and Their Nanofiltration (NF) Bioactive Extracts. <i>Food and Bioprocess Technology</i> , 0, , 1.	4.7	2