Andrea Mele

List of Publications by Year
in descending order

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230	6,979	66234	91712
papers	citations	42 h-index	69 g-index

273	273	273	7358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Structure of a Room-Temperature Ionic Liquid with and without Trace Amounts of Water: The Role of Cï£¿Hâ‹…â‹…â‹…O and Cï£¿Hâ‹…â‹…â‹…F Interactions in 1-n-Butyl-3-Methylimidazolium Tetrafluoroborate. Angewandte Chemie - International Edition, 2003, 42, 4364-4366.	7.2	400
2	A Halogen-Bonding-Based Heteroditopic Receptor for Alkali Metal Halides. Journal of the American Chemical Society, 2005, 127, 14972-14973.	6.6	243
3	Interaction of Water with the Model Ionic Liquid [bmim][BF₄]: Molecular Dynamics Simulations and Comparison with NMR Data. Journal of Physical Chemistry B, 2008, 112, 7826-7836.	1.2	231
4	The Local Structure of Ionic Liquids: Cationâ€“Cation NOE Interactions and Internuclear Distances in Neat [BMIM][BF4] and [BDMIM][BF4]. Angewandte Chemie - International Edition, 2006, 45, 1123-1126.	7.2	142
5	Helical Sense-Responsive and Substituent-Sensitive Features in Vibrational and Electronic Circular Dichroism, in Circularly Polarized Luminescence, and in Raman Spectra of Some Simple Optically Active Hexahelicenes. Journal of Physical Chemistry C, 2014, 118, 1682-1695.	1.5	135
6	Molecular Environment and Enhanced Diffusivity of Li⁺ Ions in Lithium-Salt-Doped Ionic Liquid Electrolytes. Journal of Physical Chemistry Letters, 2011, 2, 153-157.	2.1	134
7	Hydrophilic Clicked 2,6-Bis-triazolyl-pyridines Endowed with High Actinide Selectivity and Radiochemical Stability: Toward a Closed Nuclear Fuel Cycle. Journal of the American Chemical Society, 2016, 138, 7232-7235.	6.6	124
8	Phase Behavior of Ionic Liquidâ€“LiX Mixtures: Pyrrolidinium Cations and TFSI^{â€“} Anions â€“ Linking Structure to Transport Properties. Chemistry of Materials, 2011, 23, 4331-4337.	3.2	121
9	New Methods of Free-Radical Perfluoroalkylation of Aromatics and Alkenes. Absolute Rate Constants and Partial Rate Factors for the Homolytic Aromatic Substitution byn-Perfluorobutyl Radical. Journal of Organic Chemistry, 1997, 62, 7128-7136.	1.7	109
10	Structural Organization and Transport Properties of Novel Pyrrolidinium-Based Ionic Liquids with Perfluoroalkyl Sulfonylimide Anions. Journal of Physical Chemistry B, 2009, 113, 10750-10759.	1.2	102
11	Partial photocatalytic oxidation of glycerol in TiO2 water suspensions. Catalysis Today, 2010, 151, 21-28.	2.2	97
12	1H NMR and Molecular Modeling Study on the Inclusion Complex Î²-Cyclodextrinâˆ’Indomethacin. Journal of Organic Chemistry, 1996, 61, 909-914.	1.7	85
13	HR MAS NMR, powder XRD and Raman spectroscopy study of inclusion phenomena in Î²CD nanosponges. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 69, 403-409.	1.6	82
14	TEMPOâ€Oxidized Cellulose Crossâ€Linked with Branched Polyethyleneimine: Nanostructured Adsorbent Sponges for Water Remediation. ChemPlusChem, 2015, 80, 1408-1415.	1.3	80
15	Synthesis and Characterization of Some Aza[5]helicenes. European Journal of Organic Chemistry, 2005, 2005, 1247-1257.	1.2	79
16	Smart Approach To Evaluate Drug Diffusivity in Injectable Agaraâˆ’Carbomer Hydrogels for Drug Delivery. Journal of Physical Chemistry B, 2011, 115, 2503-2510.	1.2	79
17	Linking the structures, free volumes, and properties of ionic liquid mixtures. Chemical Science, 2017, 8, 6359-6374.	3.7	74
18	Available Technologies and Materials for Waste Cooking Oil Recycling. Processes, 2020, 8, 366.	1.3	74

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19	Mesoscopic structural organization in triphilic room temperature ionic liquids. Faraday Discussions, 2013, 167, 499.	1.6	73
20	NMR Determination of Free Fatty Acids in Vegetable Oils. Processes, 2020, 8, 410.	1.3	72
21	Blending ionic liquids: how physico-chemical properties change. Physical Chemistry Chemical Physics, 2010, 12, 1784.	1.3	69
22	Non-covalent associations of cyclomaltooligosaccharides (cyclodextrins) with trans-Î²-carotene in water: evidence for the formation of large aggregates by light scattering and NMR spectroscopy. Carbohydrate Research, 1998, 310, 261-267.	1.1	66
23	Monoaza[5]helicenes. Part 2: Synthesis, characterisation and theoretical calculations. Tetrahedron, 2006, 62, 139-148.	1.0	66
24	Validating a Strategy for Molecular Dynamics Simulations of Cyclodextrin Inclusion Complexes through Single-Crystal X-ray and NMR Experimental Data: A Case Study. Journal of Physical Chemistry B, 2009, 113, 9110-9122.	1.2	66
25	Pyrrolidinium-Based Ionic Liquids Doped with Lithium Salts: How Does Li⁺ Coordination Affect Its Diffusivity?. Journal of Physical Chemistry B, 2014, 118, 13679-13688.	1.2	63
26	Anomalous diffusion of Ibuprofen in cyclodextrin nanosponge hydrogels: an HRMAS NMR study. Beilstein Journal of Organic Chemistry, 2014, 10, 2715-2723.	1.3	59
27	Networking Properties of Cyclodextrin-Based Cross-Linked Polymers Probed by Inelastic Light-Scattering Experiments. Journal of Physical Chemistry B, 2012, 116, 5323-5327.	1.2	58
28	2,9-Dicarbonyl-1,10-phenanthroline derivatives with an unprecedented Am(iii)/Eu(iii) selectivity under highly acidic conditions. Dalton Transactions, 2013, 42, 16930.	1.6	58
29	Proton Nuclear Magnetic Resonance Spectroscopy Studies of the Inclusion Complex of Piroxicam with Î²â€Cyclodextrin. Journal of Pharmaceutical Sciences, 1992, 81, 1162-1165.	1.6	57
30	Anodic titanium oxide as immobilized photocatalyst in UV or visible light devices. Journal of Hazardous Materials, 2011, 186, 2103-2109.	6.5	57
31	Vibrational dynamics and hydrogen bond properties of Î²-CD nanosponges: an FTIR-ATR, Raman and solid-state NMR spectroscopic study. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 75, 247-254.	1.6	53
32	Effect of Water on Deep Eutectic Solvent/Î²-Cyclodextrin Systems. ACS Sustainable Chemistry and Engineering, 2019, 7, 7277-7285.	3.2	52
33	The mode of bakers' yeast transformation of 3-chloropropiophenone and related ketones. Synthesis of (2S)-[2-2H]propiophenone, (R)-fluoxetine, and (R)- and (S)-fenfluramine. Journal of Organic Chemistry, 1991, 56, 6019-6023.	1.7	51
34	Synthesis and Applications of Ionic Liquids Derived from Natural Sugars. Topics in Current Chemistry, 2010, 295, 177-195.	4.0	51
35	Molecular Crystal Architecture and Optical Properties of a Thiohelicenes Series Containing 5, 7, 9, and 11 Rings Prepared via Photochemical Synthesis. Chemistry of Materials, 2001, 13, 3906-3914.	3.2	50
36	Effect of Cross-Linking Properties on the Vibrational Dynamics of Cyclodextrins-Based Polymers: An Experimentalâ€“Numerical Study. Journal of Physical Chemistry B, 2012, 116, 7952-7958.	1.2	50

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37	Pyrazolium- versus Imidazolium-Based Ionic Liquids: Structure, Dynamics and Physicochemical Properties. Journal of Physical Chemistry B, 2013, 117, 668-676.	1.2	49
38	Deep eutectics and analogues as electrolytes in batteries. Journal of Molecular Liquids, 2021, 338, 116597.	2.3	48
39	Competitive and Synergistic Interactions between Polymer Micelles, Drugs, and Cyclodextrins: The Importance of Drug Solubilization Locus. Langmuir, 2016, 32, 13174-13186.	1.6	46
40	Tuning structural parameters for the optimization of drug delivery performance of cyclodextrin-based nanosponges. Expert Opinion on Drug Delivery, 2017, 14, 331-340.	2.4	46
41	Non-covalent associations of cyclomaltooligosaccharides (cyclodextrins) with carotenoids in water. A study on the Î±- and Î²-cyclodextrin/Ï‚,Î¶-carotene (lycopene) systems by light scattering, ionspray ionization and tandem mass spectrometry. Carbohydrate Research, 2002, 337, 1129-1136.	1.1	45
42	Phase-controlled supramolecular photochirogenesis in cyclodextrin nanosponges. Chemical Communications, 2013, 49, 3510.	2.2	44
43	Purification of Kraft cellulose under mild conditions using choline acetate based deep eutectic solvents. Green Chemistry, 2020, 22, 8680-8691.	4.6	43
44	Noncovalent association phenomena of 2,5-dihydroxybenzoic acid with cyclic and linear oligosaccharides. A matrix-assisted laser desorption/ionization time-of-flight mass spectrometric and X-ray crystallographic study. Journal of the American Society for Mass Spectrometry, 2000, 11, 228-236.	1.2	42
45	Photochemical synthesis and structural properties of high membered thiohelicenes. Chemical Communications, 2000, , 1139-1140.	2.2	42
46	Approaches to the Azahelicene System: Synthesis and Spectroscopic Characterization of Some Diazapentahelicenes. Helvetica Chimica Acta, 2002, 85, 1-8.	1.0	41
47	Self-assembly in surfactant-based liquid mixtures: Bis(2-ethylhexyl)phosphoric acid/bis(2-ethylhexyl)amine systems. Journal of Colloid and Interface Science, 2010, 348, 183-188.	5.0	40
48	Polymer hydrogel functionalized with biodegradable nanoparticles as composite system for controlled drug delivery. Nanotechnology, 2015, 26, 015602.	1.3	40
49	Synthetic exploitation of the ring-opening of 3,4-dinitrothiophene. Access to 1,4-disubstituted 2,3-dinitro-1,3-butadienes and 2,3-butanedione dioximes. Tetrahedron, 1992, 48, 4407-4418.	1.0	39
50	Penicillin Acylase-Mediated Synthesis of 2-Acetyl-1-pyrroline and of 2-Propionyl-1-pyrroline, Key Roast-Smelling Odorants in Food. Inclusion Complexes with Î²-Cyclodextrin and Their NMR and MS Characterization. Journal of Organic Chemistry, 1996, 61, 8975-8979.	1.7	39
51	Experimental Evidence for Intramolecular Attractive Nonbonded Câ€“Fâ€¦Hâ€“C Interactions in 2â€²,3â€²-Dideoxy-4â€²-(fluoromethyl)nucleosides â€“ Through-SpaceJCF andJHF NMR Coupling Constants, Correlation with Empirical Parameters of Solvent Polarity and Single-Crystal X-ray Structures. European Journal of Organic Chemistry, 1999, 1999, 187-196.	1.2	39
52	Modelling the interplay between covalent and physical interactions in cyclodextrin-based hydrogel: effect of water confinement. Soft Matter, 2013, 9, 6457.	1.2	39
53	Innovative applications of waste cooking oil as raw material. Science Progress, 2019, 102, 153-160.	1.0	38
54	Synthetic exploitation of the ring-opening of 3,4-dinitrothiophene. A novel access to 1,4-dialkyl- and 1,4-diaryl-2,3-dinitro- 1,3-butadienes. Tetrahedron Letters, 1990, 31, 4933-4936.	0.7	37

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55	TEMPO-Nanocellulose/Ca2+ Hydrogels: Ibuprofen Drug Diffusion and In Vitro Cytocompatibility. Materials, 2020, 13, 183.	1.3	37
56	Connecting chloride solvation with hydration in deep eutectic systems. Physical Chemistry Chemical Physics, 2021, 23, 107-111.	1.3	37
57	Stereochemistry of the microbial generation of .delta.-decanolide, .gamma.-dodecanolide, and .gamma.-nonanolide from C18 13-hydroxy, C18 10-hydroxy, and C19 14-hydroxy unsaturated fatty acids. Journal of Organic Chemistry, 1991, 56, 5237-5239.	1.7	36
58	Structural and physicochemical characterization of the inclusion complexes of cyclomaltooligosaccharides (cyclodextrins) with melatonin. Carbohydrate Research, 2002, 337, 743-754.	1.1	36
59	Cyclodextrin nanosponge-sensitized enantiodifferentiating photoisomerization of cyclooctene and 1,3-cyclooctadiene. Beilstein Journal of Organic Chemistry, 2012, 8, 1305-1311.	1.3	36
60	Connection between the vibrational dynamics and the crossâ€linking properties in cyclodextrinsâ€based polymers. Journal of Raman Spectroscopy, 2013, 44, 1457-1462.	1.2	36
61	Aza[6]helicene Platinum Complexes: Chirality Control of cisâ€“trans Isomerism. Angewandte Chemie - International Edition, 2014, 53, 5786-5790.	7.2	35
62	Synthesis, Spectroscopic, and X-ray Diffraction Structural Studies of Tin(IV) Derivatives with Tris(pyrazol-1-yl)methanes. Inorganic Chemistry, 1999, 38, 5777-5787.	1.9	33
63	Inside New Materials: An Experimental Numerical Approach for the Structural Elucidation of Nanoporous Cross-Linked Polymers. Journal of Physical Chemistry B, 2012, 116, 13133-13140.	1.2	33
64	Photocatalysis in dimethyl carbonate green solvent: degradation and partial oxidation of phenanthrene on supported TiO₂. RSC Advances, 2014, 4, 40859-40864.	1.7	32
65	The effect of oxygen in the photocatalytic oxidation pathways of perfluorooctanoic acid. Journal of Fluorine Chemistry, 2015, 179, 159-168.	0.9	32
66	Direct experimental observation of mesoscopic fluorous domains in fluorinated room temperature ionic liquids. Physical Chemistry Chemical Physics, 2017, 19, 13101-13110.	1.3	32
67	Sugar-Derived Ionic Liquids. Chimia, 2011, 65, 76.	0.3	31
68	Cage-Like Local Structure of Ionic Liquids Revealed by a ¹²⁹Xe Chemical Shift. Journal of Physical Chemistry Letters, 2013, 4, 1608-1612.	2.1	31
69	Effect of organic cations in locally concentrated ionic liquid electrolytes on the electrochemical performance of lithium metal batteries. Energy Storage Materials, 2022, 44, 370-378.	9.5	31
70	DifluorobenzeneâEBased Locally Concentrated Ionic Liquid Electrolyte Enabling Stable Cycling of Lithium Metal Batteries with NickelâERich Cathode. Advanced Energy Materials, 2022, 12, .	10.2	31
71	Induced homolysis of dimethyldioxirane by alkanes and alkyl radicals in oxidation processes. The dramatic role of molecular oxygen and radical inhibitors. Journal of the Chemical Society Chemical Communications, 1995, , 1573.	2.0	29
72	Chiroptical Properties of Some Monoazapentahelicenes. Journal of Physical Chemistry A, 2004, 108, 11752-11761.	1.1	29

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73	Direct evidence of gelâ€“sol transition in cyclodextrin-based hydrogels as revealed by FTIR-ATR spectroscopy. Soft Matter, 2014, 10, 2320-2326.	1.2	29
74	Influence of oligo(ethylene oxide) substituents on pyrrolidinium-based ionic liquid properties, Li⁺ solvation and transport. Physical Chemistry Chemical Physics, 2016, 18, 21539-21547.	1.3	29
75	Spectroscopic and Structural Investigation of the Confinement of <scp>d</scp> and <scp>l</scp> Dimethyl Tartrate in Lecithin Reverse Micelles. Journal of Physical Chemistry B, 2009, 113, 3024-3033.	1.2	28
76	Vibrational spectroscopy investigation of swelling phenomena in cyclodextrin nanosponges. Journal of Raman Spectroscopy, 2013, 44, 1463-1469.	1.2	28
77	Synthesis and characterization of a hyper-branched water-soluble Î²-cyclodextrin polymer. Beilstein Journal of Organic Chemistry, 2014, 10, 2586-2593.	1.3	28
78	Vibrational Density of States and Elastic Properties of Cross-Linked Polymers: Combining Inelastic Light and Neutron Scattering. Journal of Physical Chemistry B, 2014, 118, 624-633.	1.2	27
79	Water and polymer dynamics in a model polysaccharide hydrogel: the role of hydrophobic/hydrophilic balance. Physical Chemistry Chemical Physics, 2015, 17, 963-971.	1.3	27
80	Improving the recycling technology of waste cooking oils: Chemical fingerprint as tool for non-biodiesel application. Waste Management, 2019, 96, 1-8.	3.7	27
81	Unraveling the Degradation Mechanism in FIrpic-Based Blue OLEDs: II. Trap and Detect Molecules at the Interfaces. Chemistry of Materials, 2019, 31, 2277-2285.	3.2	27
82	Macrocycle conformation and self-inclusion phenomena in octakis(3-O-butanoyl-2,6-di-O-pentyl)-Î³-cyclodextrin (Lipodex E) by NMR spectroscopy and molecular dynamics. Carbohydrate Research, 2003, 338, 625-635.	1.1	26
83	Functionalized fluoroalkyl heterocycles by 1,3-dipolar cycloadditions with Î³-fluoro-Î±-nitroalkenes. Tetrahedron Letters, 2009, 50, 2540-2542.	0.7	26
84	Do Cyclodextrins Encapsulate Volatiles in Deep Eutectic Systems?. ACS Sustainable Chemistry and Engineering, 2019, 7, 17397-17405.	3.2	26
85	In Competition for Water: Hydrated Choline Chloride:Urea vs Choline Acetate:Urea Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2021, 9, 12262-12273.	3.2	26
86	Enthalpic and polar effects in the reactions of perfluoroalkyl radicals. Journal of Fluorine Chemistry, 2004, 125, 205-211.	0.9	25
87	Use of cyclodextrins as solubilizing agents for simvastatin: Effect of hydroxypropyl-Î²-cyclodextrin on lactone/hydroxyacid aqueous equilibrium. International Journal of Pharmaceutics, 2011, 404, 49-56.	2.6	25
88	A Combined Experimental and Theoretical Study on the Stereodynamics of Monoaza[5]helicenes: Solventâ€Induced Increase of the Enantiomerization Barrier in 1â€Azaâ€[5]helicene. Chemistry - A European Journal, 2015, 21, 13919-13924.	1.7	25
89	Understanding Cage Effects in Imidazolium Ionic Liquids by ¹²⁹Xe NMR: MD Simulations and Relativistic DFT Calculations. Journal of Physical Chemistry B, 2014, 118, 13963-13968.	1.2	24
90	Through-Space7JHF and6JCF Spin-Spin Couplings in 2â€²,3â€²-Dideoxy-4â€²-fluoroalkylnucleosides. The Role of Sugar Ring Conformation and Solvent Effect. , 1997, 35, 168-174.		23

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91	Hydrogen-bond dynamics of water confined in cyclodextrin nanosponges hydrogel. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2014, 80, 69-75.	0.9	23
92	Drugâ€“Polymer Interactions in Hydrogelâ€based Drugâ€Delivery Systems: An Experimental and Theoretical Study. ChemPhysChem, 2015, 16, 2818-2825.	1.0	23
93	From Nanoscale to Microscale: Crossover in the Diffusion Dynamics within Two Pyrrolidinium-Based Ionic Liquids. Journal of Physical Chemistry Letters, 2017, 8, 5196-5202.	2.1	23
94	Investigation of Li+ Cation Coordination and Transportation, by Molecular Modeling and NMR Studies, in a LiNTf2-Doped Ionic Liquidâ€“Vinylene Carbonate Mixture. Journal of Physical Chemistry B, 2018, 122, 8560-8569.	1.2	23
95	One-Dimensional Inverse-Detected Methods for Measurement of Long-Range Proton-Carbon Coupling Constants. Application to Saccharides. Journal of Magnetic Resonance Series A, 1994, 108, 160-170.	1.6	22
96	A stereoselective and preparative entry to 1,2-anhydrosugars through oxidation of glycals with perfluoro-cis-2,3-dialkyloxaziridines. Journal of the Chemical Society Chemical Communications, 1995, , 901.	2.0	22
97	Drug Release from Hydrogel: A New Understanding of Transport Phenomena. Journal of Biomedical Nanotechnology, 2011, 7, 476-481.	0.5	22
98	Improvements in the enzymatic synthesis of phosphatidylserine employing ionic liquids. Journal of Molecular Catalysis B: Enzymatic, 2012, 84, 132-135.	1.8	22
99	An Integrated Approach to Optimizing Cellulose Mercerization. Polymers, 2020, 12, 1559.	2.0	22
100	Multiple points of view of heteronuclear NOE: Long range vs short range contacts in pyrrolidinium based ionic liquids in the presence of Li salts. Journal of Molecular Liquids, 2015, 210, 215-222.	2.3	21
101	Inclusion complexes of Î²-cyclodextrin with tricyclic drugs: an X-ray diffraction, NMR and molecular dynamics study. Beilstein Journal of Organic Chemistry, 2017, 13, 714-719.	1.3	21
102	On the structural origin of free volume in 1-alkyl-3-methylimidazolium ionic liquid mixtures: a SAXS and 129Xe NMR study. Physical Chemistry Chemical Physics, 2019, 21, 5999-6010.	1.3	21
103	FT-IR and nuclear overhauser enhancement study of the state of urea confined in AOT-reversed micelles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 218, 255-264.	2.3	20
104	Fluorescence properties of aza-helicenium derivatives for cell imaging. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 222, 307-313.	2.0	20
105	Structure of Neohesperidin Dihydrochalcone/Î²-Cyclodextrin Inclusion Complex:Â NMR, MS, and X-ray Spectroscopic Investigation. Journal of Agricultural and Food Chemistry, 1998, 46, 1500-1505.	2.4	19
106	Synthesis, characterization and crystal structure of new copper(II) complexes with tris- and tetrakis-(pyrazol-1-yl)borate ligands. Polyhedron, 1999, 18, 2255-2263.	1.0	19
107	Effective magnetic moment in cyclodextrinâ€“polynitroxides: potential supramolecular vectors for magnetic resonance imaging. RSC Advances, 2015, 5, 76133-76140.	1.7	19
108	Compatibility of Imidazolium-Based Ionic Liquids for CO2 Capture with Steel Alloys: a Corrosion Perspective. Electrochimica Acta, 2016, 192, 414-421.	2.6	19

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109	Dynamics and interactions of ibuprofen in cyclodextrin nanosponges by solid-state NMR spectroscopy. Beilstein Journal of Organic Chemistry, 2017, 13, 182-194.	1.3	19
110	Drug encapsulation and chiral recognition in deep eutectic solvents/Î²-cyclodextrin mixtures. Journal of Molecular Liquids, 2020, 311, 113279.	2.3	19
111	Anions as Dynamic Probes for Ionic Liquid Mixtures. Journal of Physical Chemistry B, 2020, 124, 2879-2891.	1.2	19
112	On the nature of resonance interactions in substituted benzenes. Part 3. A 13C nuclear magnetic resonance study of substituent effects in 4-substituted benzamides and methyl benzoates in dimethyl sulphoxide. Journal of the Chemical Society Perkin Transactions II, 1990, , 2055.	0.9	18
113	Crystal architecture and conformational properties of the inclusion complex, neohesperidin dihydrochalconeâ€“cyclomaltoheptaose (Î²-cyclodextrin), by X-ray diffraction. Carbohydrate Research, 2004, 339, 2117-2125.	1.1	18
114	Experimental and calculated circular dichroism spectra of monoaza[5]helicenes. Inorganica Chimica Acta, 2007, 360, 908-912.	1.2	18
115	Photochirogenesis in chiral ionic liquid: enantiodifferentiating [4+4] photocyclodimerization of 2-anthracenecarboxylic acid in (R)-1-methyl-3-(2,3-dihydroxypropyl)imidazolium bistriflimide. Chemical Communications, 2010, 46, 3472.	2.2	18
116	Toward an understanding of the thermosensitive behaviour of pH-responsive hydrogels based on cyclodextrins. Soft Matter, 2015, 11, 5862-5871.	1.2	18
117	On the mode of baker's yeast reduction of C-7 --- C-10 2-alken-4-olides. Tetrahedron Letters, 1993, 34, 6467-6470.	0.7	17
118	A green approach to the amidation of heterocyclic bases: the use of sunlight and air. Research on Chemical Intermediates, 2007, 33, 311-317.	1.3	17
119	Synthesis, crystal structure and crystal packing of diaza[5]helicenes. New Journal of Chemistry, 2008, 32, 1710.	1.4	17
120	Selective Interaction of 2,6-Di-O-methyl-Î²-cyclodextrin and Pluronic F127 Micelles Leading to Micellar Rupture: A Nuclear Magnetic Resonance Study. Journal of Physical Chemistry B, 2011, 115, 9005-9013.	1.2	17
121	Glass-like dynamics of new cross-linked polymeric systems: Behavior of the Boson peak. Journal of Non-Crystalline Solids, 2014, 401, 73-77.	1.5	17
122	Thermal fluctuations in chemically cross-linked polymers of cyclodextrins. Soft Matter, 2015, 11, 2183-2192.	1.2	17
123	Liquid structure and dynamics in the choline acetate:urea 1:2 deep eutectic solvent. Journal of Chemical Physics, 2021, 154, 244501.	1.2	17
124	Î²-Cyclodextrin Nanosponge Hydrogels as Drug Delivery Nanoarchitectonics for Multistep Drug Release Kinetics. ACS Applied Polymer Materials, 2021, 3, 6562-6571.	2.0	17
125	Combining Raman and infrared spectroscopy as a powerful tool for the structural elucidation of cyclodextrin-based polymeric hydrogels. Physical Chemistry Chemical Physics, 2015, 17, 10274-10282.	1.3	16
126	Non-destructive and direct determination of the degree of substitution of carboxymethyl cellulose by HR-MAS 13C NMR spectroscopy. Carbohydrate Polymers, 2017, 169, 16-22.	5.1	16

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127	Detection of 1:1 adducts of piroxicam with Î²-cyclodextrin or with maltohexaose by fast atom bombardment mass spectrometry. Journal of Mass Spectrometry, 1995, 30, 645-647.	0.7	15
128	Fast Atom Bombardment Mass Spectrometric and Tandem Mass Spectrometric Investigation in Thioglycerol on Protonated Non-covalentAssociations of Î²-Cyclodextrin with 2-Acetyl,2-Propionyl-1-pyrroline and 5-Acetyl-2,3-dihydro-1,4-thiazine, Roast Smelling Odorants in Food. Role of the Matrix. Journal of Mass Spectrometry, 1997, 32, 807-812.	0.7	15
129	Guest-to-host proton transfer in melatonin-?-cyclodextrin inclusion complex by ionspray, fast atom bombardment and tandem mass spectrometry. Journal of Mass Spectrometry, 2001, 36, 1189-1194.	0.7	15
130	A Simple Approach for the Synthesis of 7,8-Diaza[5]helicene. Synthesis, 2008, 2008, 413-416.	1.2	15
131	Gel-sol evolution of cyclodextrin-based nanosponges: role of the macrocycle size. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2014, 80, 77-83.	0.9	15
132	Biocatalytic Synthesis of Phospholipids and Their Application as Coating Agents for CaCO₃Nano-crystals: Characterization and Intracellular Localization Analysis. ChemistrySelect, 2016, 1, 6507-6514.	0.7	15
133	SANS investigation of water adsorption in tunable cyclodextrin-based polymeric hydrogels. Physical Chemistry Chemical Physics, 2017, 19, 6022-6029.	1.3	15
134	Band-Gap Energies of Choline Chloride and Triphenylmethylphosphoniumbromide-Based Systems. Molecules, 2020, 25, 1495.	1.7	15
135	Chiral ionic liquid-mediated photochirogenesis. Enantiodifferentiating photocyclodimerization of 2-anthracenecarboxylic acid. Organic and Biomolecular Chemistry, 2011, 9, 7105.	1.5	14
136	The Role of Drugâ€“Drug Interactions in Hydrogel Delivery Systems: Experimental and Model Study. ChemPhysChem, 2016, 17, 1615-1622.	1.0	14
137	NMR Metabolomics for Stem Cell type discrimination. Scientific Reports, 2017, 7, 15808.	1.6	14
138	A community-built calibration system: The case study of quantification of metabolites in grape juice by qNMR spectroscopy. Talanta, 2020, 214, 120855.	2.9	14
139	Fast-atom bombardment mass spectrometric and tandem mass spectrometric study of (â€”)-menthol-Î²-(D)-glucopyranoside, neohesperidin dihydrochalcone and their non-covalent association with Î²-cyclodextrin. Two examples of interaction of a carbohydrate host with glycoconjugate guests. European Journal of Mass Spectrometry, 1997, 3, 347.	0.7	13
140	Interactions of Î±-tocopherol with biomembrane models: Binding to dry lecithin reversed micelles. International Journal of Pharmaceutics, 2006, 312, 96-104.	2.6	13
141	Organic Peracids: A Structural Puzzle for ¹⁷O NMR and Ab Initio Chemical Shift Calculations. Journal of Physical Chemistry A, 2012, 116, 1814-1819.	1.1	13
142	Quantum Mechanics Calculations, Basicity and Crystal Structure: The Route to Transition Metal Complexes of Azahelicenes. Molecules, 2012, 17, 463-479.	1.7	13
143	A molecular dynamics study of cyclodextrin nanosponge models. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 75, 263-268.	1.6	13
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