

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41 papers	1,421 citations	22 h-index	37 g-index
45 ext. papers	1,523 ext. citations	7.2 avg, IF	4.51 L-index

#	Paper	IF	Citations
41	Design of chiral dimesogens containing cholesteryl groups; formation of new molecular organizations and their application to molecular photonics. <i>Chemical Society Reviews</i> , 2004 , 33, 76-84	58.5	148
40	In Situ Synthesis of Gold Nanoparticles Using Molecular Gels and Liquid Crystals from Vitamin-C Amphiphiles. <i>Chemistry of Materials</i> , 2007 , 19, 138-140	9.6	135
39	Robust organogels from nitrogen-containing derivatives of (R)-12-hydroxystearic acid as gelators: comparisons with gels from stearic acid derivatives. <i>Langmuir</i> , 2009 , 25, 8615-25	4	105
38	Reversible thermal and photochemical switching of liquid crystalline phases and luminescence in diphenylbutadiene-based mesogenic dimers. <i>Journal of the American Chemical Society</i> , 2006 , 128, 7692-8	16.4	100
37	Cooling rate effects on the microstructure, solid content, and rheological properties of organogels of amides derived from stearic and (R)-12-hydroxystearic acid in vegetable oil. <i>Langmuir</i> , 2013 , 29, 7642-34	4	67
36	Relationship Between Molecular Structure and Thermo-mechanical Properties of Candelilla Wax and Amides Derived from (R)-12-Hydroxystearic Acid as Gelators of Safflower Oil. <i>Food Biophysics</i> , 2010 , 5, 193-202	3.2	65
35	Self-assembly of esters of arjunolic acid into fibrous networks and the properties of their organogels. <i>Langmuir</i> , 2009 , 25, 8663-71	4	56
34	Photoresponsive vitrifiable chiral dimesogens: photo-thermal modulation of microscopic disordering in helical superstructure and glass-forming properties. <i>Journal of Materials Chemistry</i> , 2003 , 13, 219-224		56
33	Reversible phase transitions within self-assembled fibrillar networks of (R)-18-(n-alkylamino)octadecan-7-ols in their carbon tetrachloride gels. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15045-54	16.4	52
32	Photochemical Phase Transition in Hydrogen-Bonded Liquid Crystals. <i>Chemistry of Materials</i> , 1999 , 11, 207-208	9.6	49
31	In situ synthesis and assembly of gold nanoparticles embedded in glass-forming liquid crystals. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3269-74	16.4	46
30	Reversible Photochemical Phase Transition Behavior of Alkoxy-Cyano-Substituted Diphenylbutadiene Liquid Crystals. <i>Chemistry of Materials</i> , 2003 , 15, 1057-1063	9.6	43
29	Correlations of properties and structures at different length scales of hydro- and organo-gels based on N-alkyl-(R)-12-hydroxyoctadecylammonium chlorides. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 12401-14	3.4	39
28	Correlations between thixotropic and structural properties of molecular gels with crystalline networks. <i>Soft Matter</i> , 2016 , 12, 3665-76	3.6	39
27	Synthesis, Liquid-Crystalline Properties, and Photo-optical Studies of Photoresponsive Oligomeric Mesogens as Dopants in a Chiral Glassy Liquid Crystal. <i>Advanced Functional Materials</i> , 2006 , 16, 477-484	15.6	37
26	Self-assembled fibrillar networks and molecular gels employing 12-hydroxystearic acid and its isomers and derivatives. <i>Journal of Physical Organic Chemistry</i> , 2014 , 27, 310-315	2.1	36
25	Photochemically Driven Smectic-Cholesteric Phase Transition in an Inherently Photoactive Dimesogen. <i>Chemistry of Materials</i> , 2003 , 15, 3237-3239	9.6	32

24	Novel supramolecular hydrogen-bonded cholesteric mesogens: liquid crystalline, thermoptical and glass-forming properties. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1582		30
23	Butadienes as Novel Photochromes for Color Tuning of Cholesteric Glasses: Influence of Microscopic Molecular Reorganization within the Helical Superstructure. <i>Advanced Functional Materials</i> , 2004 , 14, 743-748	15.6	28
22	Self-assembly of ketals of arjunolic acid into vesicles and fibers yielding gel-like dispersions. <i>Langmuir</i> , 2013 , 29, 1766-78	4	25
21	Novel Azopyridine-Containing Silver Mesogens: Synthesis, Liquid-Crystalline, and Photophysical Properties. <i>Chemistry of Materials</i> , 2002 , 14, 2687-2692	9.6	25
20	Photoactive dimesogen having different pathways of light driven phase transitions at different temperatures. <i>Chemical Communications</i> , 2004 , 2538-9	5.8	23
19	Thermal hysteresis in the photoresponsivity of a langmuir film of amphiphilic spiropyran. <i>Journal of the American Chemical Society</i> , 2004 , 126, 1006-7	16.4	20
18	Synthesis and studies of some 4-substituted phenyl-4'-azopyridine-containing hydrogen-bonded supramolecular mesogens. <i>Liquid Crystals</i> , 2003 , 30, 135-141	2.3	20
17	Structural bases for mechano-responsive properties in molecular gels of (R)-12-hydroxy-N-(Ehydroxyalkyl)octadecanamides. Rates of formation and responses to destructive strain. <i>Soft Matter</i> , 2015 , 11, 5010-22	3.6	19
16	Influence of anions and alkyl chain lengths of N-alkyl-n-(R)-12-hydroxyoctadecyl ammonium salts on their hydrogels and organogels. <i>Langmuir</i> , 2013 , 29, 6476-84	4	19
15	Cholesterol Phenoxy Hexanoate Mesogens: Effect of meta Substituents on Their Liquid Crystalline Behavior and in Situ Metal Nanoparticle Synthesis. <i>Chemistry of Materials</i> , 2007 , 19, 5203-5206	9.6	14
14	Synthesis and Photoswitching Properties of Some Cholesterol Based Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 350, 125-139		13
13	Oscillatory Rheology and Surface Water Wave Effects on Crude Oil and Corn Oil Gels with (R)-12-Hydroxystearic Acid as Gelator. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 954-960	3.9	12
12	Insights and Initiatives While Teaching Organic Chemistry I and II with Laboratory Courses in the Time of COVID-19. <i>Journal of Chemical Education</i> , 2020 , 97, 3240-3245	2.4	12
11	Synthesis and studies of some cholest-5-en-3-ol-(3',4'-phenylpyridylazo)carbonate-containing supramolecular hydrogen-bonded mesogens. <i>Liquid Crystals</i> , 2001 , 28, 259-264	2.3	11
10	Synthesis and study of novel azopyridine-containing hexacatenar silver mesogens. <i>Liquid Crystals</i> , 2004 , 31, 713-717	2.3	8
9	Chiral Nematic Glasses from Novel Hydrogen-Bonded Mesogens. <i>Chemistry Letters</i> , 2001 , 30, 752-753	1.7	8
8	Self-assembly in vegetable oils of ionic gelators derived from (R)-12-hydroxystearic acid. <i>Food Structure</i> , 2017 , 13, 56-69	4.3	6
7	Study of Chiral Dimesogens: Liquid Crystalline Properties, Effect of Smectic Cybotactic Domains in Controlling the Chiral Reflections and Glassy Liquid Crystal Forming Properties. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 454, 81/[483]-90/[492]	0.5	6

6	Thermal and photo optical properties of azoxybenzene/alkyloxy-azobenzene-cholesterol dimesogens with alkyl diacetylene linker. <i>Journal of Materials Research</i> , 2005 , 20, 3431-3438	2.5	5
5	Dissecting kinetic pathways to formation of the fibrillar objects in molecular gels using synchrotron FT-IR. <i>CrystEngComm</i> , 2015 , 17, 8085-8092	3.3	3
4	Study of unsymmetrical dimesogens containing 4-heptylazobenzene. <i>Journal of Physical Organic Chemistry</i> , 2007 , 20, 878-883	2.1	3
3	Structure-Property Comparison and Self-Assembly Studies of Molecular Gels Derived from (R)-12-Hydroxystearic Acid Derivatives as Low Molecular Mass Gelators. <i>ACS Symposium Series</i> , 2018 , 1718, 227-243	0.4	3
2	Cholesterol and Dihydrocholesterol are Simple Steroidal Molecular Gelators: How One Double Bond Controls the Structure and Mechanotropic Properties of Their Gels. <i>ChemistrySelect</i> , 2016 , 1, 4965-4972	1.8	1
1	Self-Assembly and Aggregation Studies of Simple Structural Derivatives of Stearic Acid. <i>ACS Symposium Series</i> , 2020 , 31-45	0.4	