

Ã-zlem Cankurtaran

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The study on cholesteryl chloroformate liquid crystal for separation of isomers and determination of its surface properties. <i>Separation Science and Technology</i> , 2022, 57, 2843-2851.	2.5	9
2	Thermodynamic and separation properties of 4-(octyloxy) benzoic acid liquid crystals by inverse gas chromatography (IGC). <i>Instrumentation Science and Technology</i> , 2022, 50, 1-15.	1.8	3
3	Effective biosorption of methylene blue dye from aqueous solution using wild macrofungus (<i>Lactarius piperatus</i>). <i>Separation Science and Technology</i> , 2022, 57, 854-871.	2.5	24
4	Investigation of thermodynamic properties of Amine Modified Polystyrene and its use for separation of isomers. <i>Fluid Phase Equilibria</i> , 2022, 559, 113467.	2.5	1
5	A comparative study of surface properties of <i>Urtica dioica</i> (nettle) leaves, roots, and seeds and examination of their ability to separate xylene isomers. <i>Phytochemical Analysis</i> , 2022, 33, 886-894.	2.4	4
6	Determination of the surface thermodynamic characteristics and the structural isomer separation ability of new synthesized phenylbenzoate-based three-ring calamitic liquid crystals by inverse gas chromatography. <i>Journal of Molecular Structure</i> , 2022, 1265, 133379.	3.6	3
7	Synthesis and characterization of novel 4-benzyloxyphenyl 4-[4-(n-dodecyloxy) benzoyloxy]benzoate liquid crystal. <i>Turkish Journal of Chemistry</i> , 2021, 45, 71-81.	1.2	2
8	Investigation of the surface properties of dibutyl amine modified poly(styrene) based polymer by inverse gas chromatography method. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	4
9	Evaluation of the surface properties of 4-(Decyloxy) benzoic acid liquid crystal and its use in structural isomer separation. <i>Turkish Journal of Chemistry</i> , 2021, 45, 845-857.	1.2	6
10	Studies on Miscibility of a Copolyester of Bisphenol-A with Terephthalic and Isophthalic Acids and Poly(methyl methacrylate) Blends in Dilute Solution. <i>Polymer Science - Series A</i> , 2021, 63, 429-434.	1.0	0
11	Liquid Crystal Entrapped Porous Films for Ammonia Sensing and Determination of Surface Properties of Liquid Crystal Molecule. <i>ChemistrySelect</i> , 2021, 6, 6740-6747.	1.5	2
12	Application of inverse gas chromatography in the surface characterization of diethanol amine modified polystyrene based polymer. <i>Turkish Journal of Chemistry</i> , 2021, 45, 1533-1542.	1.2	5
13	Thermodynamic Characterization of Surface and Solubility of 5-((S)-3,7-Dimethyloctyloxy)-2-[[[4-(octyloxy)phenyl]imino]methyl]phenol Liquid Crystal with Some Solvents. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 1007-1013.	1.9	12
14	Determination of glass transition temperature and surface properties of novel chalcone modified poly (styrene) based polymer. <i>Thermal Science</i> , 2019, 23, 193-202.	1.1	7
15	Investigation of thermodynamic properties of 4-decyloxybiphenyl-4-carboxylic acid liquid crystal and preparation of polymer dispersed liquid crystal composite. <i>Journal of Molecular Liquids</i> , 2018, 265, 24-30.	4.9	9
16	Miscibility in mixtures of liquid crystal 4-[4-(tetradecyloxy)benzoyloxy] benzoic acid and poly(ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.9	2
17	A study of the thermodynamical interactions with solvents and surface characterisation of liquid crystalline 5-((S)-3,7-dimethyloctyloxy)-2-[[[4-(dodecyloxy)phenyl]imino]-methyl]phenol by inverse gas chromatography. <i>Journal of Molecular Liquids</i> , 2016, 223, 861-867.	4.9	26
18	Thermodynamic and surface characterisation of 4-[4-((S)-citronellyloxy)benzoyloxy]benzoic acid thermotropic liquid crystal. <i>Liquid Crystals</i> , 2016, 43, 142-151.	2.2	14

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19	Synthesis, Preparation, and Characterization of Liquid Crystal/Organo-Montmorillonite Nanocomposites. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 607, 23-31.	0.9	1
20	Investigation of thermodynamic and surface characterisation of 4-[4-(2-ethylhexyloxy)benzoyloxy]benzoic acid thermotropic liquid crystal by inverse gas chromatography. <i>Liquid Crystals</i> , 2014, 41, 1323-1331.	2.2	20
21	Dispersive Surface Energy and Acid-Base Parameters of Tosylate Functionalized Poly(ethylene glycol) via Inverse Gas Chromatography. <i>Journal of Chemistry</i> , 2014, 2014, 1-7.	1.9	3
22	Synthesis and Surface Characterizations of New Banana-Shaped Liquid Crystal 4-Bromo-1,3-phenylene-bis[4-[4-(10-undecenyloxy)-benzoyloxy]]benzoate. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 587, 28-40.	0.9	5
23	Investigation of acid-base and surface characteristics of a thermotropic semifluorinated salicylaldimine liquid crystal by inverse gas chromatography. <i>Liquid Crystals</i> , 2012, 39, 1421-1426.	2.2	11
24	Relaxation and Miscibility of the Blends of a Poly (Ether Imide) (Utema,®) and a Phenol-A-Based Copolyester (Ardela,®) by Inverse Gas Chromatography. <i>Chromatographia</i> , 2012, 75, 1157-1164.	1.3	6
25	Thermodynamic and surface characterisation of (<i>S</i>)-5-dodecycloxy-2-[[[4-(2-methylbutoxy)phenyl]imino]methyle]phenol thermotropic liquid crystal by inverse gas chromatography. <i>Liquid Crystals</i> , 2012, 39, 87-97.	2.2	10
26	Thermodynamical study of poly(n-hexyl methacrylate) with some solvents by inverse gas chromatography. <i>Journal of Applied Polymer Science</i> , 2011, 122, 1815-1822.	2.6	11
27	Miscibility studies on a copolyester of bisphenol-A with terephthalic and isophthalic acids/bisphenol-A polycarbonate blends. <i>Journal of Applied Polymer Science</i> , 2010, 117, 309-314.	2.6	2
28	A new liquid crystal of considerable value for the separation of closely related solvents by gas chromatography. <i>Liquid Crystals</i> , 2010, 37, 1111-1118.	2.2	18
29	A study on swelling behavior of poly(p-chloro styrene) networks in some aromatic hydrocarbons and linear poly(p-chloro styrene) solutions. <i>Journal of Applied Polymer Science</i> , 2009, 111, 1328-1334.	2.6	0
30	Determination of crystallinity ratio and some physicochemical properties of poly(4-methyl-1-pentene). <i>Journal of Applied Polymer Science</i> , 2009, 113, 901-906.	2.6	16
31	Evaluations on the miscibility of the mixtures of poly(2,6-dimethyl-1,4-phenylene oxide) and a copolyester of bisphenol-A. <i>Polymers for Advanced Technologies</i> , 2009, 20, 291-297.	3.2	4
32	Detecting organic vapors using a conductometric sensor prepared from Ardel-D-100 and graphite. <i>Mikrochimica Acta</i> , 2008, 160, 441-445.	5.0	3
33	Detection of microphase separation in poly(tert-butyl acrylate-b-methyl methacrylate) synthesized via atom transfer radical polymerization by inverse gas chromatography. <i>European Polymer Journal</i> , 2008, 44, 2115-2122.	5.4	9
34	Use of inverse gas chromatography for the physicochemical characterisation of a new synthesised liquid crystal: (<i>S</i>)-5-(2-methylbutoxy)-2-[[[4-(dodecyloxyphenyl)imino]methyl}phenol. <i>Liquid Crystals</i> , 2008, 35, 1351-1358.	2.2	12
35	Determination of transition points and thermodynamic interaction parameters of poly(2,6-dimethyl-1,4-phenylene oxide). <i>Plastics, Rubber and Composites</i> , 2008, 37, 276-280.	2.0	4
36	A study of some equation-of-state parameters of poly(methylhydrosiloxane-co-dimethylsiloxane) with some solvents by gas chromatography. <i>Journal of Applied Polymer Science</i> , 2007, 104, 1627-1631.	2.6	5

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37	The evaluation of miscibility of blends of poly(ether imide) (Ultem®1000) and a copolyester of bisphenol-A with terephthalic and isophthalic acid (Ardel®D-100) by viscosimetry. <i>European Polymer Journal</i> , 2007, 43, 507-513.	5.4	10
38	Swelling behavior of polystyrene networks in some aliphatic esters and linear polystyrene solutions. <i>Polymer Bulletin</i> , 2007, 58, 305-312.	3.3	2
39	Physicochemical characterization of poly(tert-butyl acrylate-b-methyl methacrylate) prepared with atom transfer radical polymerization by inverse gas chromatography. <i>Polymer</i> , 2006, 47, 132-139.	3.8	12
40	Thermodynamic interactions of a copolyester of bisphenol A with terephthalic acid and isophthalic acid with some solvents. <i>Journal of Applied Polymer Science</i> , 2005, 98, 2365-2368.	2.6	8
41	The ratio of crystallinity and thermodynamical interactions of polycaprolactone with some aliphatic esters and aromatic solvents by inverse gas chromatography. <i>Polymer Bulletin</i> , 2005, 53, 349-357.	3.3	15
42	Determination of secondary transitions and thermodynamic interaction parameters of poly (ether) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	3.3	22
43	Determination of Rate of Crystallinity and Thermodynamical Interaction Parameters of Polycaprolactone with Some Solvents by Gas Chromatography. <i>Macromolecular Symposia</i> , 2004, 217, 301-306.	0.7	2
44	Secondary transitions and thermodynamic interaction parameters of poly (phenyl sulfone) by gas chromatography. <i>Polymer Bulletin</i> , 2003, 51, 225-230.	3.3	5
45	Determination of some thermodynamical interaction parameters of polycaprolactone with some solvents by inverse gas chromatography. <i>Polymer International</i> , 2002, 51, 1285-1289.	3.1	17
46	Equation-of-state exchange parameters of poly(methyl methacrylate) with some aliphatic esters. <i>European Polymer Journal</i> , 2001, 37, 747-751.	5.4	6
47	Determination of exchange enthalpy and entropy parameters of the equation-of-state theory for poly(dimethyl siloxane) and some aromatic solvents by inverse gas chromatography. <i>Polymer International</i> , 2000, 49, 99-102.	3.1	9
48	A study on the parameters of exchange enthalpy, X12, and entropy, Q12, in the equation-of-state theory for some polymer-solvent pairs. <i>Polymer</i> , 1998, 39, 1243-1247.	3.8	7
49	Comparison of the intrinsic viscosity and inverse gas chromatography techniques in determination of the exchange enthalpy and entropy parameters. <i>Polymer</i> , 1997, 38, 3539-3543.	3.8	16
50	Determination of Exchange Enthalpy andEntropy Parameters of Poly(dimethylsiloxane) with Somen-Alkanes by InverseGas Chromatography. <i>Polymer International</i> , 1996, 41, 307-313.	3.1	14
51	Determination of the exchange enthalpy and entropy parameters of the equation-of-state theory for poly(dimethyl siloxane) in various solvents. <i>Polymer</i> , 1996, 37, 3019-3023.	3.8	12
52	Thermodynamic interactions and characterization of poly(p-chlorostyrene) with some aliphatic and aromatic probes by inverse gas chromatography. <i>Polymer</i> , 1992, 33, 4563-4568.	3.8	6