Gloria Tardajos

List of Publications by Year
in descending order

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82	2,889	218381	189595
papers	citations	26 h-index	50 g-index

83	83	83	3077
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Femtosecond laser reshaping yields gold nanorods with ultranarrow surface plasmon resonances. Science, 2017, 358, 640-644.	6.0	233
2	Geminiâ€Surfactantâ€Directed Selfâ€Assembly of Monodisperse Gold Nanorods into Standing Superlattices. Angewandte Chemie - International Edition, 2009, 48, 9484-9488.	7.2	210
3	The Aggregation of Cyclodextrins as Studied by Photon Correlation Spectroscopy. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 44, 101-105.	1.6	197
4	Isothermal compressibilities of n-1-alcohols from methanol to 1-dodecanol at 298.15, 308.15, 318.15, and 333.15 K. Journal of Chemical Thermodynamics, 1979, 11, 441-445.	1.0	191
5	Isothermal compressibilities of n-alkanes and benzene. Journal of Chemical Thermodynamics, 1978, 10, 19-24.	1.0	142
6	Femtosecond Laser-Controlled Tip-to-Tip Assembly and Welding of Gold Nanorods. Nano Letters, 2015, 15, 8282-8288.	4.5	105
7	Speed of sound in pure liquids by a pulse-echo-overlap method. Journal of Chemical Thermodynamics, 1986, 18, 683-689.	1.0	101
8	FT-IR, FT-Raman spectra, density functional computations of the vibrational spectra and molecular geometry of biomolecule 5-aminouracil. Chemical Physics, 2007, 340, 17-31.	0.9	98
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19	Polyrotaxaneâ€Mediated Selfâ€Assembly of Gold Nanospheres into Fully Reversible Supercrystals. Angewandte Chemie - International Edition, 2014, 53, 12751-12755.	7.2	36
20	Excess Molar Volumes of Binary Mixtures Containing a Methyl Ester (Ethanoate to Tetradecanoate) with Odd n-Alkanes at 298.15 K. Journal of Chemical & Engineering Data, 1995, 40, 283-289.	1.0	35
21	Excess enthalpies at 298.15 K of binary mixtures of cyclohexane with n-alkanes. Journal of Chemical Thermodynamics, 1979, 11, 159-166.	1.0	31
22	Thermodynamic properties for binary liquid mixtures of 1-chlorobutane+n-alkanes. Journal of Solution Chemistry, 1991, 20, 805-816.	0.6	31
23	Accurate, sensitive, and fully automatic method to measure sound velocity and attenuation. Review of Scientific Instruments, 1994, 65, 2933-2938.	0.6	30
24	Ultrasonic speeds and isentropic compressibilities of (1,4-dioxane + n-heptane or n-decane or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	1.0	29
25	Site-Specific Interaction between 2-Dibenzofuran Carboxylate and Î²- and Î³-Cyclodextrins Determined by Intermolecular NOE and Molecular Modeling. Journal of Physical Chemistry B, 2004, 108, 14154-14162.	1.2	28
26	Effects of Natural Cyclodextrins on the Photophysical Properties of Dibenzofuran-2-carboxylic Acid. Journal of Physical Chemistry A, 2004, 108, 392-402.	1.1	28
27	Isothermal compressibility of toluene + n-hexane and + n-octane at 298.15, 308.15, 318.15, and 333.15 K. Journal of Chemical Thermodynamics, 1982, 14, 671-677.	1.0	27
28	Study of phenothiazine andN-methyl phenothiazine by infrared, raman,1H-, and13C-NMR spectroscopies. International Journal of Quantum Chemistry, 2002, 89, 147-171.	1.0	27
29	Molar Partial Compressibilities and Volumes,1H NMR, and Molecular Modeling Studies of the Ternary Systems Î²-Cyclodextrin + Sodium Octanoate/Sodium Decanoate + Water. Langmuir, 1999, 15, 7963-7972.	1.6	26
30	Study of the Interaction between a Nonyl Phenyl Ether and Î²-Cyclodextrin:Â Declouding Nonionic Surfactant Solutions by Complexation. Journal of Physical Chemistry B, 2007, 111, 1368-1376.	1.2	26
31	Speed of sound and isentropic compressibility of (1-chlorobutane + n-undecane or n-dodecane or) Tj ETQq1 1 0.784314 rgBT /Overlock	1.0	24
32	Thermodynamic properties of (a methyl ester + an n-alkane). II. HEm and VEm for {xCH3(CH2)u-1CO2CH3 (u = 1 to 6) + (1-x)CH3(CH2)4CH3}. Journal of Chemical Thermodynamics, 1993, 25, 561-568.	1.0	24
33	Mechanosensitive Gold Colloidal Membranes Mediated by Supramolecular Interfacial Self-Assembly. Journal of the American Chemical Society, 2017, 139, 1120-1128.	6.6	24
34	Study of the 2,6-o-Dimethyl-Î²-cyclodextrin + Hexadecyltrimethylammonium Bromide + Water System from Speed of Sound Measurements. Journal of Colloid and Interface Science, 1993, 158, 388-394.	5.0	21
35	Chemical Equilibrium in Supramolecular Systems as Studied by NMR Spectrometry. Journal of Chemical Education, 2004, 81, 270.	1.1	21
36	Complexation and Chiral Drug Recognition of an Amphiphilic Phenothiazine Derivative with Î²â€Cyclodextrin. Journal of Pharmaceutical Sciences, 2008, 97, 1484-1498.	1.6	21

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37	FT-IR and FT-Raman spectra, ab initio and density functional computations of the vibrational spectra, molecular geometry, atomic charges and some molecular properties of the biomolecule 5-iodouracil. Computational and Theoretical Chemistry, 2010, 940, 29-44.	1.5	21
38	Intracellular pH-Induced Tip-to-Tip Assembly of Gold Nanorods for Enhanced Plasmonic Photothermal Therapy. ACS Omega, 2016, 1, 388-395.	1.6	21
39	Quantum Chemical Scaling and Its Importance: The Infrared and Raman Spectra of 5-Bromouracil. Spectroscopy Letters, 2010, 43, 51-59.	0.5	20
40	Isothermal compressibility of benzene + n-undecane, + n-dodecane, + n-tetradecane, and + n-hexadecane. Journal of Chemical Thermodynamics, 1979, 11, 951-957.	1.0	19
41	Isothermal compressibility of cyclohexane + n-tridecane and + n-pentadecane at 298.15, 308.15, 318.15, and 333.15 K. Journal of Chemical Thermodynamics, 1981, 13, 783-788.	1.0	19
42	Correlation of the prigogine-flory theory with isothermal compressibility data. I. Systems with quasi-spherical molecules. Journal of Solution Chemistry, 1983, 12, 41-51.	0.6	19
43	Isothermal compressibility and isobaric thermal expansivity of linear and branched hexanols at 298.15 K. Journal of Chemical & Engineering Data, 1994, 39, 349-350.	1.0	19
44	Unexpected binding mode of gemini surfactants and Î³-cyclodextrin: DOSY as a tool for the study of complexation. Chemical Physics Letters, 2006, 432, 486-490.	1.2	19
45	Using Inclusion Complexes with Cyclodextrins To Explore the Aggregation Behavior of a Ruthenium Metallosurfactant. Langmuir, 2015, 31, 2677-2688.	1.6	19
46	Isobaric thermal expansion and isothermal compressibility of ethylbenzene + n-hexane, and + n-octane at 25 and 45ï¿½C. Journal of Solution Chemistry, 1989, 18, 143-150.	0.6	18
47	Correlation of the Prigogine-Flory theory with isothermal compressibility and excess enthalpy data for cyclohexane + alkane mixtures. Journal of Solution Chemistry, 1984, 13, 443-455.	0.6	17
48	Van der Waals liquids, Flory theory and mixing functions for chlorobenzene with linear and branched alkanes. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 89-93.	1.7	17
49	Rhodamine solid complexes as fluorescence probes to monitor the dispersion of cyclodextrins in polymeric nanocomposites. Dyes and Pigments, 2012, 94, 427-436.	2.0	17
50	Ïƒ-Holeâ‹¯Ï€ and lone pairâ‹¯Ï€ interactions in benzylic halides. Organic and Biomolecular Chemistry, 2015, 13, 6194-6202.	1.5	17
51	Excess enthalpies at 298.15 K for binary mixtures of toluene + an n-alkane. Journal of Chemical Thermodynamics, 1979, 11, 825-828.	1.0	16
52	Isothermal compressibility of (toluene + n-decane) and (toluene + n-dodecane) at various temperatures. Journal of Chemical Thermodynamics, 1986, 18, 885-890.	1.0	16
53	The Impact of Dihydrogen Phosphate Anions on the Excited-State Proton Transfer of Harmane. Effect of Î²-Cyclodextrin on These Photoreactions. Journal of Physical Chemistry A, 2012, 116, 207-214.	1.1	16
54	Compressibilities of cyclohexane and toluene mixtures at various temperatures. Journal of Solution Chemistry, 1982, 11, 557-564.	0.6	15

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55	Simulation of a tetramer form of 5-iodouracil: The vibrational spectra and molecular structure in the isolated and in the solid state by using DFT calculations. Vibrational Spectroscopy, 2010, 52, 108-121.	1.2	15
56	Solid Crystal Network of Self-Assembled Cyclodextrin and Nonionic Surfactant Pseudorotaxanes. Journal of Physical Chemistry B, 2010, 114, 11489-11495.	1.2	15
57	The effect of pressure on order destruction and order creation in linear or branched alkane mixtures. Journal of Solution Chemistry, 1989, 18, 369-377.	0.6	14
58	Enhancement of the Chemiluminescence of Two Isoluminol Derivatives by Nanoencapsulation with Natural Cyclodextrins. Journal of Physical Chemistry B, 2010, 114, 10541-10549.	1.2	14
59	Selective Solvation of Cyclodextrins by Small Molecules: A NOE Study. ChemPhysChem, 2006, 7, 2074-2076.	1.0	13
60	Studying the transfer process of a gemini surfactant from water to Î²-cyclodextrin at a molecular level. Chemical Physics Letters, 2007, 446, 92-97.	1.2	13
61	Thermodynamics of methylcyclohexane + toluene and methylcyclohexane + cyclohexane mixtures from isothermal compressibility data. Journal of the Chemical Society, Faraday Transactions 2, 1984, 80, 437-446.	1.1	12
62	On the Connection between the Complexation and Aggregation Thermodynamics of Oxyethylene Nonionic Surfactants. Journal of Physical Chemistry B, 2008, 112, 15691-15700.	1.2	12
63	Isobaric thermal expansion coefficient of benzene + n-decane, and + n-tetradecane mixtures at various temperatures. Fluid Phase Equilibria, 1985, 20, 87-92.	1.4	10
64	Ultrasonic Study of the L Phase of the CTAB/Benzyl Alcohol/Water System. Journal of Colloid and Interface Science, 1999, 211, 104-109.	5.0	10
65	Polyrotaxaneâ€Mediated Selfâ€Assembly of Gold Nanospheres into Fully Reversible Supercrystals. Angewandte Chemie, 2014, 126, 12965-12969.	1.6	9
66	Cooperative Self-Assembly Transfer from Hierarchical Supramolecular Polymers to Gold Nanoparticles. ACS Nano, 2015, 9, 11241-11248.	7.3	9
67	Thermodynamic mixing properties of (chlorobenzene+an alkane). Journal of Chemical Thermodynamics, 1993, 25, 201-207.	1.0	8
68	Spectroscopic Characterization of the System Î²-Cyclodextrin + Propafenone Hydrochloride + Water. Journal of Physical Chemistry B, 2002, 106, 6096-6103.	1.2	7
69	Determination of the ionization constants of natural cyclodextrins by high-resolution 1H-NMR and photon correlation spectroscopy. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 69, 361-367.	1.6	7
70	Supramolecular Control over the Interparticle Distance in Gold Nanoparticle Arrays by Cyclodextrin Polyrotaxanes. Nanomaterials, 2018, 8, 168.	1.9	7
71	First and second thermodynamic mixing functions of ethylbenzene+n-nonane, +n-decane, and+n-dodecane at 25 and 45ï¿½C. Journal of Solution Chemistry, 1989, 18, 893-901.	0.6	6
72	Chemiluminescence of phthalhydrazide derivatives in organized media: Interactions with surfactants and cyclodextrins. Journal of Luminescence, 2011, 131, 662-668.	1.5	6

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73	Effect of Î²-cyclodextrin on the aggregation of the non-ionic surfactant Igepal CO-630 in water as studied by 1D and 2D NMR spectroscopy. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 57, 251-256.	1.6	5
74	Activated nanoporous carbonâ€“gold nanoparticle composite electrode with enhanced volumetric capacitance. RSC Advances, 2015, 5, 86282-86290.	1.7	5
75	Analysis of volumes of mixing for propyl and butyl formate withn-alkanes in terms of the Nitta model. Journal of Solution Chemistry, 1990, 19, 1063-1071.	0.6	4
76	First and second thermodynamic mixing properties of ethylbenzene +n-alkanes: Experimental and theory. Journal of Solution Chemistry, 1990, 19, 1137-1151.	0.6	4
77	The role of the surrounding polarity on the phototautomerization process in a diazaaromatic compound: An UVâ€“vis and NMR study. Journal of Luminescence, 2014, 148, 64-71.	1.5	4
78	Polarization of the CaI* chemiluminescence from the Ca*+ CH3I â†' CaI*+ CH3reaction: evidence for Hund's case (c)coupling. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 3671-3672.	1.7	3
79	High-frequency ultrasonic studies of solutions of styrene-butadiene-styrene triblock copolymers. Polymer, 1989, 30, 1484-1487.	1.8	2
80	Raman and Infrared Spectra of Hydrated 2,4-Dithiouracil Molecule. , 2010, , .		2
81	Thiolâ€Functionalized IGEPALÂ® Surfactants as Novel Fluorescent Ligands for the Silica Coating of Gold Nanoparticles. Israel Journal of Chemistry, 2016, 56, 249-256.	1.0	2
82	Raman And Infrared Spectra Of Hydrated 5-Nitrouracil Molecule. , 2010, , .		1