

Gloria Tardajos

List of Publications by Year in descending order

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82
papers

2,889
citations

218677
26
h-index

189892
50
g-index

83
all docs

83
docs citations

83
times ranked

3077
citing authors

#	ARTICLE	IF	CITATIONS
1	Femtosecond laser reshaping yields gold nanorods with ultranarrow surface plasmon resonances. Science, 2017, 358, 640-644.	12.6	233
2	Geminiâ€Surfactantâ€Directed Selfâ€Assembly of Monodisperse Gold Nanorods into Standing Superlattices. Angewandte Chemie - International Edition, 2009, 48, 9484-9488.	13.8	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.	2.0	191
5	Isothermal compressibilities of n-alkanes and benzene. Journal of Chemical Thermodynamics, 1978, 10, 19-24.	2.0	142
6	Femtosecond Laser-Controlled Tip-to-Tip Assembly and Welding of Gold Nanorods. Nano Letters, 2015, 15, 8282-8288.	9.1	105
7	Speed of sound in pure liquids by a pulse-echo-overlap method. Journal of Chemical Thermodynamics, 1986, 18, 683-689.	2.0	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.	1.9	98

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19	Polyrotaxane-Mediated Self-Assembly of Gold Nanospheres into Fully Reversible Supercrystals. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12751-12755.	13.8	36
20	Excess Molar Volumes of Binary Mixtures Containing a Methyl Ester (Ethanoate to Tetradecanoate) with Odd n-Alkanes at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 1995, 40, 283-289.	1.9	35
21	Excess enthalpies at 298.15 K of binary mixtures of cyclohexane with n-alkanes. <i>Journal of Chemical Thermodynamics</i> , 1979, 11, 159-166.	2.0	31
22	Thermodynamic properties for binary liquid mixtures of 1-chlorobutane+n-alkanes. <i>Journal of Solution Chemistry</i> , 1991, 20, 805-816.	1.2	31
23	Accurate, sensitive, and fully automatic method to measure sound velocity and attenuation. <i>Review of Scientific Instruments</i> , 1994, 65, 2933-2938.	1.3	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	2.0	29
25	Site-Specific Interaction between 2-Dibenzofuran Carboxylate and β - and γ -Cyclodextrins Determined by Intermolecular NOE and Molecular Modeling. <i>Journal of Physical Chemistry B</i> , 2004, 108, 14154-14162.	2.6	28
26	Effects of Natural Cyclodextrins on the Photophysical Properties of Dibenzofuran-2-carboxylic Acid. <i>Journal of Physical Chemistry A</i> , 2004, 108, 392-402.	2.5	28
27	Isothermal compressibility of toluene + n-hexane and + n-octane at 298.15, 308.15, 318.15, and 333.15 K. <i>Journal of Chemical Thermodynamics</i> , 1982, 14, 671-677.	2.0	27
28	Study of phenothiazine and N-methyl phenothiazine by infrared, raman, ^1H -, and ^{13}C -NMR spectroscopies. <i>International Journal of Quantum Chemistry</i> , 2002, 89, 147-171.	2.0	27
29	Molar Partial Compressibilities and Volumes, ^1H NMR, and Molecular Modeling Studies of the Ternary Systems β -Cyclodextrin + Sodium Octanoate/Sodium Decanoate + Water. <i>Langmuir</i> , 1999, 15, 7963-7972.	3.5	26
30	Study of the Interaction between a Nonyl Phenyl Ether and β -Cyclodextrin: A Decoupling Nonionic Surfactant Solutions by Complexation. <i>Journal of Physical Chemistry B</i> , 2007, 111, 1368-1376.	2.6	26
31	Speed of sound and isentropic compressibility of (1-chlorobutane + n-undecane or n-dodecane or) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 542	2.0	24
32	Thermodynamic properties of (a methyl ester + an n-alkane). II. H_{Em} and V_{Em} for $\{x\text{CH}_3(\text{CH}_2)_u\text{CO}_2\text{CH}_3$ ($u = 1$ to 6) + $(1-x)\text{CH}_3(\text{CH}_2)_4\text{CH}_3\}$. <i>Journal of Chemical Thermodynamics</i> , 1993, 25, 561-568.	2.0	24
33	Mechanosensitive Gold Colloidal Membranes Mediated by Supramolecular Interfacial Self-Assembly. <i>Journal of the American Chemical Society</i> , 2017, 139, 1120-1128.	13.7	24
34	Study of the 2,6-o-Dimethyl- β -cyclodextrin + Hexadecyltrimethylammonium Bromide + Water System from Speed of Sound Measurements. <i>Journal of Colloid and Interface Science</i> , 1993, 158, 388-394.	9.4	21
35	Chemical Equilibrium in Supramolecular Systems as Studied by NMR Spectrometry. <i>Journal of Chemical Education</i> , 2004, 81, 270.	2.3	21
36	Complexation and Chiral Drug Recognition of an Amphiphilic Phenothiazine Derivative with β -Cyclodextrin. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 1484-1498.	3.3	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.	3.5	21
39	Quantum Chemical Scaling and Its Importance: The Infrared and Raman Spectra of 5-Bromouracil. Spectroscopy Letters, 2010, 43, 51-59.	1.0	20
40	Isothermal compressibility of benzene + n-undecane, + n-dodecane, + n-tetradecane, and + n-hexadecane. Journal of Chemical Thermodynamics, 1979, 11, 951-957.	2.0	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.	2.0	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.	1.2	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.	1.9	19
44	Unexpected binding mode of gemini surfactants and β -cyclodextrin: DOSY as a tool for the study of complexation. Chemical Physics Letters, 2006, 432, 486-490.	2.6	19
45	Using Inclusion Complexes with Cyclodextrins To Explore the Aggregation Behavior of a Ruthenium Metallosurfactant. Langmuir, 2015, 31, 2677-2688.	3.5	19
46	Isobaric thermal expansion and isothermal compressibility of ethylbenzene + n-hexane, and + n-octane at 25 and 45 $^{\circ}$ C. Journal of Solution Chemistry, 1989, 18, 143-150.	1.2	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.	1.2	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.	3.7	17
50	π -Hole and lone pair interactions in benzylic halides. Organic and Biomolecular Chemistry, 2015, 13, 6194-6202.	2.8	17
51	Excess enthalpies at 298.15 K for binary mixtures of toluene + an n-alkane. Journal of Chemical Thermodynamics, 1979, 11, 825-828.	2.0	16
52	Isothermal compressibility of (toluene + n-decane) and (toluene + n-dodecane) at various temperatures. Journal of Chemical Thermodynamics, 1986, 18, 885-890.	2.0	16
53	The Impact of Dihydrogen Phosphate Anions on the Excited-State Proton Transfer of Harmane. Effect of β -Cyclodextrin on These Photoreactions. Journal of Physical Chemistry A, 2012, 116, 207-214.	2.5	16
54	Compressibilities of cyclohexane and toluene mixtures at various temperatures. Journal of Solution Chemistry, 1982, 11, 557-564.	1.2	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. <i>Vibrational Spectroscopy</i> , 2010, 52, 108-121.	2.2	15
56	Solid Crystal Network of Self-Assembled Cyclodextrin and Nonionic Surfactant Pseudorotaxanes. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11489-11495.	2.6	15
57	The effect of pressure on order destruction and order creation in linear or branched alkane mixtures. <i>Journal of Solution Chemistry</i> , 1989, 18, 369-377.	1.2	14
58	Enhancement of the Chemiluminescence of Two Isoluminol Derivatives by Nanoencapsulation with Natural Cyclodextrins. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10541-10549.	2.6	14
59	Selective Solvation of Cyclodextrins by Small Molecules: A NOE Study. <i>ChemPhysChem</i> , 2006, 7, 2074-2076.	2.1	13
60	Studying the transfer process of a gemini surfactant from water to β^2 -cyclodextrin at a molecular level. <i>Chemical Physics Letters</i> , 2007, 446, 92-97.	2.6	13
61	Thermodynamics of methylcyclohexane + toluene and methylcyclohexane + cyclohexane mixtures from isothermal compressibility data. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1984, 80, 437-446.	1.1	12
62	On the Connection between the Complexation and Aggregation Thermodynamics of Oxyethylene Nonionic Surfactants. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15691-15700.	2.6	12
63	Isobaric thermal expansion coefficient of benzene + n-decane, and + n-tetradecane mixtures at various temperatures. <i>Fluid Phase Equilibria</i> , 1985, 20, 87-92.	2.5	10
64	Ultrasonic Study of the L Phase of the CTAB/Benzyl Alcohol/Water System. <i>Journal of Colloid and Interface Science</i> , 1999, 211, 104-109.	9.4	10
65	Polyrotaxane-Mediated Self-Assembly of Gold Nanospheres into Fully Reversible Supercrystals. <i>Angewandte Chemie</i> , 2014, 126, 12965-12969.	2.0	9
66	Cooperative Self-Assembly Transfer from Hierarchical Supramolecular Polymers to Gold Nanoparticles. <i>ACS Nano</i> , 2015, 9, 11241-11248.	14.6	9
67	Thermodynamic mixing properties of (chlorobenzene+an alkane). <i>Journal of Chemical Thermodynamics</i> , 1993, 25, 201-207.	2.0	8
68	Spectroscopic Characterization of the System β^2 -Cyclodextrin + Propafenone Hydrochloride + Water. <i>Journal of Physical Chemistry B</i> , 2002, 106, 6096-6103.	2.6	7
69	Determination of the ionization constants of natural cyclodextrins by high-resolution ^1H -NMR and photon correlation spectroscopy. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011, 69, 361-367.	1.6	7
70	Supramolecular Control over the Interparticle Distance in Gold Nanoparticle Arrays by Cyclodextrin Polyrotaxanes. <i>Nanomaterials</i> , 2018, 8, 168.	4.1	7
71	First and second thermodynamic mixing functions of ethylbenzene+n-nonane, +n-decane, and+n-dodecane at 25 and 45 $^{\circ}$ C. <i>Journal of Solution Chemistry</i> , 1989, 18, 893-901.	1.2	6
72	Chemiluminescence of phthalhydrazide derivatives in organized media: Interactions with surfactants and cyclodextrins. <i>Journal of Luminescence</i> , 2011, 131, 662-668.	3.1	6

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73	Effect of β -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 carbon-gold nanoparticle composite electrode with enhanced volumetric capacitance. RSC Advances, 2015, 5, 86282-86290.	3.6	5
75	Analysis of volumes of mixing for propyl and butyl formate with n-alkanes in terms of the Nitta model. Journal of Solution Chemistry, 1990, 19, 1063-1071.	1.2	4
76	First and second thermodynamic mixing properties of ethylbenzene + n-alkanes: Experimental and theory. Journal of Solution Chemistry, 1990, 19, 1137-1151.	1.2	4
77	The role of the surrounding polarity on the phototautomerization process in a diazaaromatic compound: An UV-vis and NMR study. Journal of Luminescence, 2014, 148, 64-71.	3.1	4
78	Polarization of the CaI^* chemiluminescence from the $\text{Ca}^* + \text{CH}_3\text{I} \rightarrow \text{CaI}^* + \text{CH}_3$ reaction: 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.	3.8	2
80	Raman and Infrared Spectra of Hydrated 2,4-Dithiouracil Molecule. , 2010, , .		2
81	Thiol-Functionalized ICEPAL [®] Surfactants as Novel Fluorescent Ligands for the Silica Coating of Gold Nanoparticles. Israel Journal of Chemistry, 2016, 56, 249-256.	2.3	2
82	Raman And Infrared Spectra Of Hydrated 5-Nitrouracil Molecule. , 2010, , .		1