

Gloria Tardajos

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,889
citations

218381

26
h-index

189595

50
g-index

83
all docs

83
docs citations

83
times ranked

3077
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Supramolecular Control over the Interparticle Distance in Gold Nanoparticle Arrays by Cyclodextrin Polyrotaxanes. <i>Nanomaterials</i> , 2018, 8, 168. | 1.9 | 7 |
| 2 | Mechanosensitive Gold Colloidal Membranes Mediated by Supramolecular Interfacial Self-Assembly. <i>Journal of the American Chemical Society</i> , 2017, 139, 1120-1128. | 6.6 | 24 |
| 3 | Femtosecond laser reshaping yields gold nanorods with ultranarrow surface plasmon resonances. <i>Science</i> , 2017, 358, 640-644. | 6.0 | 233 |
| 4 | Thiol-Functionalized IGEPAL® Surfactants as Novel Fluorescent Ligands for the Silica Coating of Gold Nanoparticles. <i>Israel Journal of Chemistry</i> , 2016, 56, 249-256. | 1.0 | 2 |
| 5 | Intracellular pH-Induced Tip-to-Tip Assembly of Gold Nanorods for Enhanced Plasmonic Photothermal Therapy. <i>ACS Omega</i> , 2016, 1, 388-395. | 1.6 | 21 |
| 6 | σ-Hole and lone pair interactions in benzylic halides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6194-6202. | 1.5 | 17 |
| 7 | Femtosecond Laser-Controlled Tip-to-Tip Assembly and Welding of Gold Nanorods. <i>Nano Letters</i> , 2015, 15, 8282-8288. | 4.5 | 105 |
| 8 | Using Inclusion Complexes with Cyclodextrins To Explore the Aggregation Behavior of a Ruthenium Metallosurfactant. <i>Langmuir</i> , 2015, 31, 2677-2688. | 1.6 | 19 |
| 9 | Cooperative Self-Assembly Transfer from Hierarchical Supramolecular Polymers to Gold Nanoparticles. <i>ACS Nano</i> , 2015, 9, 11241-11248. | 7.3 | 9 |
| 10 | Activated nanoporous carbon-gold nanoparticle composite electrode with enhanced volumetric capacitance. <i>RSC Advances</i> , 2015, 5, 86282-86290. | 1.7 | 5 |
| 11 | Polyrotaxane-Mediated Self-Assembly of Gold Nanospheres into Fully Reversible Supercrystals. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12751-12755. | 7.2 | 36 |
| 12 | The role of the surrounding polarity on the phototautomerization process in a diazaaromatic compound: An UV-vis and NMR study. <i>Journal of Luminescence</i> , 2014, 148, 64-71. | 1.5 | 4 |
| 13 | Polyrotaxane-Mediated Self-Assembly of Gold Nanospheres into Fully Reversible Supercrystals. <i>Angewandte Chemie</i> , 2014, 126, 12965-12969. | 1.6 | 9 |
| 14 | The Impact of Dihydrogen Phosphate Anions on the Excited-State Proton Transfer of Harmane. Effect of β-Cyclodextrin on These Photoreactions. <i>Journal of Physical Chemistry A</i> , 2012, 116, 207-214. | 1.1 | 16 |
| 15 | Rhodamine solid complexes as fluorescence probes to monitor the dispersion of cyclodextrins in polymeric nanocomposites. <i>Dyes and Pigments</i> , 2012, 94, 427-436. | 2.0 | 17 |
| 16 | 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 |
| 17 | Chemiluminescence of phthalhydrazide derivatives in organized media: Interactions with surfactants and cyclodextrins. <i>Journal of Luminescence</i> , 2011, 131, 662-668. | 1.5 | 6 |
| 18 | Relationships observed in the structure and spectra of uracil and its 5-substituted derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 1261-1269. | 2.0 | 38 |

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|----|--|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Raman and Infrared Spectra of Hydrated 2,4-Dithiouracil Molecule. , 2010, , . | | 2 |
| 22 | Raman And Infrared Spectra Of Hydrated 5-Nitrouracil Molecule. , 2010, , . | | 1 |
| 23 | Solid Crystal Network of Self-Assembled Cyclodextrin and Nonionic Surfactant Pseudorotaxanes. Journal of Physical Chemistry B, 2010, 114, 11489-11495. | 1.2 | 15 |
| 24 | Natural Cyclodextrins as Efficient Boosters of the Chemiluminescence of Luminol and Isoluminol: Exploration of Potential Applications. Journal of Physical Chemistry B, 2010, 114, 2798-2806. | 1.2 | 38 |
| 25 | Quantum Chemical Scaling and Its Importance: The Infrared and Raman Spectra of 5-Bromouracil. Spectroscopy Letters, 2010, 43, 51-59. | 0.5 | 20 |
| 26 | 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 |
| 27 | Gemini Surfactant Directed Self Assembly of Monodisperse Gold Nanorods into Standing Superlattices. Angewandte Chemie - International Edition, 2009, 48, 9484-9488. | 7.2 | 210 |
| 28 | Complexation and Chiral Drug Recognition of an Amphiphilic Phenothiazine Derivative with β -Cyclodextrin. Journal of Pharmaceutical Sciences, 2008, 97, 1484-1498. | 1.6 | 21 |
| 29 | 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 |
| 30 | Study of the Interaction between a Nonyl Phenyl Ether and β -Cyclodextrin: Decoupling Nonionic Surfactant Solutions by Complexation. Journal of Physical Chemistry B, 2007, 111, 1368-1376. | 1.2 | 26 |
| 31 | Studying the transfer process of a gemini surfactant from water to β -cyclodextrin at a molecular level. Chemical Physics Letters, 2007, 446, 92-97. | 1.2 | 13 |
| 32 | 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 |
| 33 | 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 |
| 34 | Inclusion Complexes between β -Cyclodextrin and a Gemini Surfactant in Aqueous Solution: An NMR Study. Journal of Physical Chemistry B, 2006, 110, 13819-13828. | 1.2 | 69 |
| 35 | 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. | 1.2 | 19 |
| 36 | Selective Solvation of Cyclodextrins by Small Molecules: A NOE Study. ChemPhysChem, 2006, 7, 2074-2076. | 1.0 | 13 |

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|----|---|-----|-----------|
| 37 | Chemical Equilibrium in Supramolecular Systems as Studied by NMR Spectrometry. Journal of Chemical Education, 2004, 81, 270. | 1.1 | 21 |
| 38 | Site-Specific Interaction between 2-Dibenzofuran Carboxylate and β - and γ -Cyclodextrins Determined by Intermolecular NOE and Molecular Modeling. Journal of Physical Chemistry B, 2004, 108, 14154-14162. | 1.2 | 28 |
| 39 | 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 |
| 40 | Spectroscopic Characterization of the System β -Cyclodextrin + Propafenone Hydrochloride + Water. Journal of Physical Chemistry B, 2002, 106, 6096-6103. | 1.2 | 7 |
| 41 | Study of phenothiazine and N-methyl phenothiazine by infrared, raman, ^1H -, and ^{13}C -NMR spectroscopies. International Journal of Quantum Chemistry, 2002, 89, 147-171. | 1.0 | 27 |
| 42 | The Aggregation of Cyclodextrins as Studied by Photon Correlation Spectroscopy. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 44, 101-105. | 1.6 | 197 |
| 43 | Thermodynamic and Spectroscopic Study of a Molecular Rotaxane Containing a Bolaform Surfactant and β -Cyclodextrin. Langmuir, 2001, 17, 1392-1398. | 1.6 | 41 |
| 44 | 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 |
| 45 | Molar Partial Compressibilities and Volumes, ^1H NMR, and Molecular Modeling Studies of the Ternary Systems β -Cyclodextrin + Sodium Octanoate/Sodium Decanoate + Water. Langmuir, 1999, 15, 7963-7972. | 1.6 | 26 |
| 46 | Speed of Sound, Density, and Molecular Modeling Studies on the Inclusion Complex between Sodium Cholate and β -Cyclodextrin. Langmuir, 1997, 13, 2235-2241. | 1.6 | 55 |
| 47 | Study at a Molecular Level of the Transfer Process of a Cationic Surfactant from Water to β -Cyclodextrin. Journal of Physical Chemistry B, 1997, 101, 4413-4421. | 1.2 | 48 |
| 48 | Inclusion Complexes between Cyclodextrins and Triblock Copolymers in Aqueous Solution: A Dynamic and Static Light-Scattering Study. Journal of Physical Chemistry B, 1997, 101, 710-719. | 1.2 | 84 |
| 49 | Polarization of the Ca^{*} chemiluminescence from the $\text{Ca}^{*} + \text{CH}_3\text{I} \rightarrow \text{Ca}^{*} + \text{CH}_3$ reaction: evidence for Hund's case (c) coupling. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 3671-3672. | 1.7 | 3 |
| 50 | 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 |
| 51 | Accurate, sensitive, and fully automatic method to measure sound velocity and attenuation. Review of Scientific Instruments, 1994, 65, 2933-2938. | 0.6 | 30 |
| 52 | 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 |
| 53 | Thermodynamic mixing properties of (chlorobenzene + an alkane). Journal of Chemical Thermodynamics, 1993, 25, 201-207. | 1.0 | 8 |
| 54 | Thermodynamic properties of (a methyl ester + an n-alkane). II. HEM and VEM for $\{x\text{CH}_3(\text{CH}_2)_u-1\text{CO}_2\text{CH}_3$ ($u = 1$ to 6) + $(1-x)\text{CH}_3(\text{CH}_2)_4\text{CH}_3\}$. Journal of Chemical Thermodynamics, 1993, 25, 561-568. | 1.0 | 24 |

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|----|--|-----|-----------|
| 55 | Study of the 2,6-o-Dimethyl- β -cyclodextrin + Hexadecyltrimethylammonium Bromide + Water System from Speed of Sound Measurements. Journal of Colloid and Interface Science, 1993, 158, 388-394. | 5.0 | 21 |
| 56 | 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 |
| 57 | Thermodynamic properties for binary liquid mixtures of 1-chlorobutane+n-alkanes. Journal of Solution Chemistry, 1991, 20, 805-816. | 0.6 | 31 |
| 58 | 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 |
| 59 | First and second thermodynamic mixing properties of ethylbenzene +n-alkanes: Experimental and theory. Journal of Solution Chemistry, 1990, 19, 1137-1151. | 0.6 | 4 |
| 60 | 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 |
| 61 | High-frequency ultrasonic studies of solutions of styrene-butadiene-styrene triblock copolymers. Polymer, 1989, 30, 1484-1487. | 1.8 | 2 |
| 62 | Speed of sound and isentropic compressibility of (1-chlorobutane + n-undecane or n-dodecane or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 | 1.0 | 24 |
| 63 | Isobaric thermal expansion and isothermal compressibility of ethylbenzene + n-hexane, and + n-octane at 25 and 45 $\frac{1}{2}$ C. Journal of Solution Chemistry, 1989, 18, 143-150. | 0.6 | 18 |
| 64 | 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 |
| 65 | First and second thermodynamic mixing functions of ethylbenzene+n-nonane, +n-decane, and+n-dodecane at 25 and 45 $\frac{1}{2}$ C. Journal of Solution Chemistry, 1989, 18, 893-901. | 0.6 | 6 |
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|----|--|-----|-----------|
| 73 | 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 |
| 74 | 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 |
| 75 | 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 |
| 76 | Compressibilities of cyclohexane and toluene mixtures at various temperatures. Journal of Solution Chemistry, 1982, 11, 557-564. | 0.6 | 15 |
| 77 | 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 |
| 78 | Isothermal compressibility of benzene + n-undecane, + n-dodecane, + n-tetradecane, and + n-hexadecane. Journal of Chemical Thermodynamics, 1979, 11, 951-957. | 1.0 | 19 |
| 79 | 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 |
| 80 | 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 |
| 81 | 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 |
| 82 | Isothermal compressibilities of n-alkanes and benzene. Journal of Chemical Thermodynamics, 1978, 10, 19-24. | 1.0 | 142 |