# N Mariano Correa

## List of Publications by Citations



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| 131 papers | 3,484 citations | 33 h-index | 53 g-index |
| 134 ext. papers | 3,711 ext. citations | 4.8 avg, IF | 5.32 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 131 | Nonaqueous polar solvents in reverse micelle systems. *Chemical Reviews*, **2012**, 112, 4569-602 | 68.1 | 194 |
| 130 | When is water not water? Exploring water confined in large reverse micelles using a highly charged inorganic molecular probe. *Journal of the American Chemical Society*, **2006**, 128, 12758-65 | 16.4 | 166 |
| 129 | Kinetics of reactions catalyzed by enzymes in solutions of surfactants. *Advances in Colloid and Interface Science*, **2008**, 136, 1-24 | 14.3 | 144 |
| 128 | Micropolarity of Reverse Micelles of Aerosol-OT in n-Hexane. *Journal of Colloid and Interface Science*, **1995**, 172, 71-76 | 9.3 | 123 |
| 127 | What can you learn from a molecular probe? New insights on the behavior of C343 in homogeneous solutions and AOT reverse micelles. *Journal of Physical Chemistry B*, **2006**, 110, 13050-61 | 3.4 | 108 |
| 126 | A Mild and Versatile Method for Palladium-Catalyzed Cross-Coupling of Aryl Halides in Water and Surfactants. *European Journal of Organic Chemistry*, **2003**, 2003, 4080-4086 | 3.2 | 106 |
| 125 | Properties of AOT Aqueous and Nonaqueous Microemulsions Sensed by Optical Molecular Probes. *Langmuir*, **2000**, 16, 3070-3076 | 4 | 100 |
| 124 | AcidBase and Aggregation Processes of Acridine Orange Base in n-Heptane/AOT/Water Reverse Micelles. *Langmuir*, **2002**, 18, 2039-2047 | 4 | 96 |
| 123 | New insights on the behavior of PRODAN in homogeneous media and in large unilamellar vesicles. *Journal of Physical Chemistry B*, **2006**, 110, 11838-46 | 3.4 | 83 |
| 122 | Micropolarity of Reversed Micelles: Comparison between Anionic, Cationic, and Nonionic Reversed Micelles. *Journal of Colloid and Interface Science*, **1996**, 184, 570-8 | 9.3 | 83 |
| 121 | New insights on the photophysical behavior of PRODAN in anionic and cationic reverse micelles: from which state or states does it emit?. *Journal of Physical Chemistry B*, **2007**, 111, 748-59 | 3.4 | 71 |
| 120 | Cationic reverse micelles create water with super hydrogen-bond-donor capacity for enzymatic catalysis: hydrolysis of 2-naphthyl acetate by alpha-chymotrypsin. *Chemistry - A European Journal*, **2010**, 16, 8887-93 | 4.8 | 68 |
| 119 | Effect of the addition of a nonaqueous polar solvent (glycerol) on enzymatic catalysis in reverse micelles. Hydrolysis of 2-naphthyl acetate by alpha-chymotrypsin. *Langmuir*, **2004**, 20, 5732-7 | 4 | 65 |
| 118 | On the formation of new reverse micelles: a comparative study of benzene/surfactants/ionic liquids systems using UV-visible absorption spectroscopy and dynamic light scattering. *Langmuir*, **2009**, 25, 10426-9 | 4 | 64 |
| 117 | What are the factors that control non-aqueous/AOT/n-heptane reverse micelle sizes? A dynamic light scattering study. *Physical Chemistry Chemical Physics*, **2009**, 11, 11096-100 | 3.6 | 64 |
| 116 | FTIR and 1H NMR Studies of the Solubilization of Pure and Aqueous 1,2-Ethanediol in the Reverse Aggregates of Aerosol-OT. *Langmuir*, **2000**, 16, 5573-5578 | 4 | 56 |
| 115 | A unique ionic liquid with amphiphilic properties that can form reverse micelles and spontaneous unilamellar vesicles. *Chemistry - A European Journal*, **2012**, 18, 15598-601 | 4.8 | 55 |

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| 114 | An example of how to use AOT reverse micelle interfaces to control a photoinduced intramolecular charge-transfer process. *Langmuir*, **2008**, 24, 4637-46 | 4 | 55 |
| 113 | The use of acridine orange base (AOB) as molecular probe to characterize nonaqueous AOT reverse micelles. *Journal of Colloid and Interface Science*, **2006**, 296, 356-64 | 9.3 | 52 |
| 112 | Solvent blends can control cationic reversed micellar interdroplet interactions. The effect of n-heptane:benzene mixture on BHDC reversed micellar interfacial properties: droplet sizes and micropolarity. *Journal of Physical Chemistry B*, **2011**, 115, 12076-84 | 3.4 | 48 |
| 111 | Real structure of formamide entrapped by AOT nonaqueous reverse micelles: FT-IR and 1H NMR studies. *Journal of Physical Chemistry B*, **2005**, 109, 21209-19 | 3.4 | 47 |
| 110 | Preparation of AgBr Quantum Dots via Electroporation of Vesicles. *Journal of the American Chemical Society*, **2000**, 122, 6432-6434 | 16.4 | 45 |
| 109 | Effect of the constrained environment on the interactions between the surfactant and different polar solvents encapsulated within AOT reverse micelles. *ChemPhysChem*, **2009**, 10, 2034-40 | 3.2 | 41 |
| 108 | Characterization of multifunctional reverse micelles' interfaces using hemicyanines as molecular probes. II: Effect of the surfactant. *Journal of Physical Chemistry B*, **2009**, 113, 6718-24 | 3.4 | 39 |
| 107 | Exploratory Study of the Effect of Polar Solvents upon the Partitioning of Solutes in Nonaqueous Reverse Micellar Solutions. *Langmuir*, **2003**, 19, 2067-2071 | 4 | 39 |
| 106 | Influence of anionic and cationic reverse micelles on nucleophilic aromatic substitution reaction between 1-fluoro-2,4-dinitrobenzene and piperidine. *Journal of Organic Chemistry*, **2000**, 65, 6427-33 | 4.2 | 39 |
| 105 | Interfacial water with special electron donor properties: effect of water-surfactant interaction in confined reversed micellar environments and its influence on the coordination chemistry of a copper complex. *Journal of Colloid and Interface Science*, **2011**, 355, 124-30 | 9.3 | 38 |
| 104 | Binding of Nitrodiphenylamines to Reverse Micelles of AOT in n-Hexane and Carbon Tetrachloride: Solvent and Substituent Effects. *Journal of Colloid and Interface Science*, **1998**, 208, 96-103 | 9.3 | 38 |
| 103 | Layered structure of room-temperature ionic liquids in microemulsions by multinuclear NMR spectroscopic studies. *Chemistry - A European Journal*, **2011**, 17, 6837-46 | 4.8 | 37 |
| 102 | Catalysis in Micellar Media. Kinetics and Mechanism for the Reaction of 1-Fluoro-2,4-dinitrobenzene with n-Butylamine and Piperidine in n-Hexane and AOT/n-Hexane/Water Reverse Micelles. *Journal of Organic Chemistry*, **1999**, 64, 5757-5763 | 4.2 | 35 |
| 101 | AOT reverse micelles as versatile reaction media for chitosan nanoparticles synthesis. *Carbohydrate Polymers*, **2017**, 171, 85-93 | 10.3 | 34 |
| 100 | On the Investigation of the Droplet□Droplet Interactions of Sodium 1,4-Bis(2-ethylhexyl) Sulfosuccinate Reverse Micelles upon Changing the External Solvent Composition and Their Impact on Gold Nanoparticle Synthesis. *European Journal of Inorganic Chemistry*, **2014**, 2014, 2095-2102 | 2.3 | 34 |
| 99 | Enzymatic hydrolysis of N-benzoyl-L-tyrosine p-nitroanilide by □-chymotrypsin in DMSO-water/AOT/n-heptane reverse micelles. A unique interfacial effect on the enzymatic activity. *Langmuir*, **2013**, 29, 8245-54 | 4 | 34 |
| 98 | Molecular dynamics simulation of water/BHDC cationic reverse micelles. structural characterization, dynamical properties, and influence of solvent on intermicellar interactions. *Langmuir*, **2014**, 30, 9643-53 | 4 | 33 |
| 97 | Binding of nitroanilines to reverse micelles of AOT n-hexane. *Journal of Molecular Liquids*, **1997**, 72, 163-176 | | 33 |

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| 96 | Solubilization of Pure and Aqueous 1,2,3-Propanetriol by Reverse Aggregates of AerosolOT in Isooctane Probed by FTIR and 1H NMR Spectroscopy. *Langmuir*, **2001**, 17, 1847-1852 | 4 | 33 |
| 95 | Comparison between two anionic reverse micelle interfaces: the role of water-surfactant interactions in interfacial properties. *ChemPhysChem*, **2012**, 13, 115-23 | 3.2 | 32 |
| 94 | The effect of different interfaces and confinement on the structure of the ionic liquid 1-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide entrapped in cationic and anionic reverse micelles. *Physical Chemistry Chemical Physics*, **2012**, 14, 3460-70 | 3.6 | 32 |
| 93 | Ionic liquids entrapped in reverse micelles as nanoreactors for bimolecular nucleophilic substitution reaction. Effect of the confinement on the chloride ion availability. *Langmuir*, **2014**, 30, 12130-7 | 4 | 31 |
| 92 | How the cation 1-butyl-3-methylimidazolium impacts the interaction between the entrapped water and the reverse micelle interface created with an ionic liquid-like surfactant. *Soft Matter*, **2016**, 12, 830-44 | 3.6 | 30 |
| 91 | PRODAN dual emission feature to monitor BHDC interfacial properties changes with the external organic solvent composition. *Langmuir*, **2013**, 29, 3556-66 | 4 | 29 |
| 90 | A new organized media: glycerol:N,N-dimethylformamide mixtures/AOT/n-heptane reversed micelles. The effect of confinement on preferential solvation. *Journal of Physical Chemistry B*, **2011**, 115, 5894-902 | 3.4 | 29 |
| 89 | Inhibited phenol ionization in reverse micelles: confinement effect at the nanometer scale. *ChemPhysChem*, **2012**, 13, 124-30 | 3.2 | 28 |
| 88 | Electrochemistry in AOT Reverse Micelles. A Powerful Technique To Characterize Organized Media. *Journal of Physical Chemistry C*, **2007**, 111, 4269-4276 | 3.8 | 28 |
| 87 | Distribution of amines in water/AOT/n-hexane reverse micelles: influence of the amine chemical structure. *Journal of Colloid and Interface Science*, **2005**, 286, 245-52 | 9.3 | 27 |
| 86 | Substituent Effects on Binding Constants of Carotenoids to n-Heptane/AOT Reverse Micelles. *Journal of Colloid and Interface Science*, **2001**, 240, 573-580 | 9.3 | 27 |
| 85 | On the investigation of the bilayer functionalities of 1,2-di-oleoyl-sn-glycero-3-phosphatidylcholine (DOPC) large unilamellar vesicles using cationic hemicyanines as optical probes: a wavelength-selective fluorescence approach. *Journal of Colloid and Interface Science*, **2008**, 317, 332-45 | 9.3 | 26 |
| 84 | Dynamics of Electroporation of Synthetic Liposomes Studied Using a Pore-Mediated Reaction, Ag+ + Br- -qAgBr. *Journal of Physical Chemistry B*, **1998**, 102, 9319-9322 | 3.4 | 25 |
| 83 | Electroporation of Unilamellar Vesicles Studied by Using a Pore-Mediated Electron-Transfer Reaction. *Langmuir*, **1998**, 14, 5802-5805 | 4 | 25 |
| 82 | More evidence on the control of reverse micelles sizes. Combination of different techniques as a powerful tool to monitor AOT reversed micelles properties. *Journal of Physical Chemistry B*, **2013**, 117, 3818-28 | 3.4 | 24 |
| 81 | Characterization of multifunctional reverse micelles' interfaces using hemicyanines as molecular probes. I. Effect of the hemicyanines' structure. *Journal of Physical Chemistry B*, **2009**, 113, 4284-92 | 3.4 | 24 |
| 80 | Reverse micellar aggregates: effect on ketone reduction. 2. Surfactant role. *Journal of Organic Chemistry*, **2004**, 69, 8231-8 | 4.2 | 24 |
| 79 | The impact of the polar core size and external organic media composition on micelle–micelle interactions: the effect on gold nanoparticle synthesis. *New Journal of Chemistry*, **2015**, 39, 8887-8895 | 3.6 | 22 |

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| 78 | Effect of the cationic surfactant moiety on the structure of water entrapped in two catanionic reverse micelles created from ionic liquid-like surfactants. *ChemPhysChem*, **2014**, 15, 3097-109 | 3.2 | 22 |
| 77 | Gold nanoparticles stabilized with sulphonated imidazolium salts in water and reverse micelles. *Royal Society Open Science*, **2017**, 4, 170481 | 3.3 | 21 |
| 76 | Role of the medium on the C343 inter/intramolecular hydrogen bond interactions. An absorption, emission, and 1HNMR investigation of C343 in benzene/n-heptane mixtures. *Journal of Physical Chemistry A*, **2010**, 114, 7326-30 | 2.8 | 21 |
| 75 | Electron donor ionic liquids entrapped in anionic and cationic reverse micelles. Effects of the interface on the ionic liquid-surfactant interactions. *Physical Chemistry Chemical Physics*, **2013**, 15, 16746-57 | 3.6 | 19 |
| 74 | The use of two non-toxic lipophilic oils to generate environmentally friendly anionic reverse micelles without cosurfactant. Comparison with the behavior found for traditional organic non-polar solvents. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 457, 354-362 | 5.1 | 18 |
| 73 | An interesting case where water behaves as a unique solvent. 4-Aminophthalimide emission profile to monitor aqueous environment. *Journal of Physical Chemistry B*, **2013**, 117, 2160-8 | 3.4 | 18 |
| 72 | Reverse micellar aggregates: effect on ketone reduction. 1. Substrate role. *Journal of Organic Chemistry*, **2004**, 69, 8224-30 | 4.2 | 18 |
| 71 | Droplet-droplet interactions investigated using a combination of electrochemical and dynamic light scattering techniques. The case of water/BHDC/benzene:n-heptane system. *Soft Matter*, **2015**, 11, 2952-62 | 3.6 | 17 |
| 70 | Supramolecular assemblies obtained by mixing different cyclodextrins and AOT or BHDC reverse micelles. *Langmuir*, **2014**, 30, 3354-62 | 4 | 17 |
| 69 | How TOPO affects the interface of the novel mixed water/AOT:TOPO/n-heptane reverse micelles: dynamic light scattering and Fourier transform infrared spectroscopy studies. *Physical Chemistry Chemical Physics*, **2014**, 16, 15457-68 | 3.6 | 16 |
| 68 | Singularities in the physicochemical properties of spontaneous AOT-BHD unilamellar vesicles in comparison with DOPC vesicles. *Physical Chemistry Chemical Physics*, **2015**, 17, 17112-21 | 3.6 | 16 |
| 67 | On the possibility that cyclodextrins' chiral cavities can be available on AOT n-heptane reverse micelles. A UV-visible and induced circular dichroism study. *Journal of Physical Chemistry B*, **2007**, 111, 10703-12 | 3.4 | 16 |
| 66 | Non-aqueous reverse micelles media for the SNAr reaction between 1-fluoro-2,4-dinitrobenzene and piperidine. *Journal of Physical Organic Chemistry*, **2006**, 19, 805-812 | 2.1 | 16 |
| 65 | Green Electrodes Modified with Au Nanoparticles Synthesized in Glycerol, as Electrochemical Nitrite Sensor. *Electroanalysis*, **2015**, 27, 1883-1891 | 3 | 15 |
| 64 | A protic ionic liquid, when entrapped in cationic reverse micelles, can be used as a suitable solvent for a bimolecular nucleophilic substitution reaction. *Organic and Biomolecular Chemistry*, **2016**, 14, 3170-7 | 3.9 | 15 |
| 63 | Electrochemistry in large unilamellar vesicles. The distribution of 1-naphthol studied by square wave voltammetry. *Electrochimica Acta*, **2011**, 56, 10231-10237 | 6.7 | 15 |
| 62 | An alternative approach to quantify partition processes in confined environments: the electrochemical behavior of PRODAN in unilamellar vesicles. *ChemPhysChem*, **2010**, 11, 236-44 | 3.2 | 14 |
| 61 | Unique catanionic vesicles as a potential Nano-Taxi for drug delivery systems. In vitro and in vivo biocompatibility evaluation. *RSC Advances*, **2017**, 7, 5372-5380 | 3.7 | 13 |

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| 60 | Use of Ionic Liquids-like Surfactants for the Generation of Unilamellar Vesicles with Potential Applications in Biomedicine. *Langmuir*, **2019**, 35, 13332-13339 | 4 | 13 |
| 59 | Interfacial properties modulated by the water confinement in reverse micelles created by the ionic liquid-like surfactant bmim-AOT. *Soft Matter*, **2019**, 15, 947-955 | 3.6 | 13 |
| 58 | Improvement of the amphiphilic properties of a dialkyl phosphate by creation of a protic ionic liquid-like surfactant. *RSC Advances*, **2017**, 7, 44743-44750 | 3.7 | 12 |
| 57 | Role of micellar interface in the synthesis of chitosan nanoparticles formulated by reverse micellar method. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 599, 124876 | 5.1 | 12 |
| 56 | How the Type of Cosurfactant Impacts Strongly on the Size and Interfacial Composition in Gemini 12-2-12 RMs Explored by DLS, SLS, and FTIR Techniques. *Journal of Physical Chemistry B*, **2016**, 120, 467-76 | 3.4 | 11 |
| 55 | Characterization of different reverse micelle interfaces using the reaction of 4-fluoro-3-nitrobenzoate with piperidine. *Journal of Physical Organic Chemistry*, **2005**, 18, 121-127 | 2.1 | 11 |
| 54 | Effect of Confinement on the Properties of Sequestered Mixed Polar Solvents: Enzymatic Catalysis in Nonaqueous 1,4-Bis-2-ethylhexylsulfosuccinate Reverse Micelles. *ChemPhysChem*, **2016**, 17, 1678-85 | 3.2 | 11 |
| 53 | Micropolarity and Hydrogen-Bond Donor Ability of Environmentally Friendly Anionic Reverse Micelles Explored by UV/Vis Absorption of a Molecular Probe and FTIR Spectroscopy. *ChemPhysChem*, **2018**, 19, 759-765 | 3.2 | 10 |
| 52 | Structural Characterization of Biocompatible Reverse Micelles Using Small-Angle X-ray Scattering, P Nuclear Magnetic Resonance, and Fluorescence Spectroscopy. *Journal of Physical Chemistry B*, **2018**, 122, 4366-4375 | 3.4 | 10 |
| 51 | On the characterization of NaDEHP/n-heptane nonaqueous reverse micelles: the effect of the polar solvent. *Physical Chemistry Chemical Physics*, **2015**, 17, 7002-11 | 3.6 | 10 |
| 50 | Combination of a protic ionic liquid-like surfactant and biocompatible solvents to generate environmentally friendly anionic reverse micelles. *New Journal of Chemistry*, **2019**, 43, 10398-10404 | 3.6 | 9 |
| 49 | Study of lipid peroxidation and ascorbic acid protective role in large unilamellar vesicles from a new electrochemical performance. *Bioelectrochemistry*, **2018**, 120, 120-126 | 5.6 | 9 |
| 48 | Comparative study of the photophysical behavior of fisetin in homogeneous media and in anionic and cationic reverse micelles media. *Photochemistry and Photobiology*, **2007**, 83, 486-93 | 3.6 | 9 |
| 47 | Binding of o-nitroaniline to nonaqueous AOT reverse micelles. *Arkivoc*, **2011**, 2011, 369-379 | 0.9 | 9 |
| 46 | The hydrolysis of phenyl trifluoroacetate in AOT/n-heptane RMs as a sensor of the encapsulated water structure. *RSC Advances*, **2015**, 5, 34878-34884 | 3.7 | 8 |
| 45 | Catanionic nanocarriers as a potential vehicle for insulin delivery. *Colloids and Surfaces B: Biointerfaces*, **2020**, 188, 110759 | 6 | 8 |
| 44 | Nanoscale Control Over Interfacial Properties in Mixed Reverse Micelles Formulated by Using Sodium 1,4-bis-2-ethylhexylsulfosuccinate and Tri-n-octyl Phosphine Oxide Surfactants. *ChemPhysChem*, **2016**, 17, 2407-14 | 3.2 | 8 |
| 43 | Determination of Benzyl-hexadecyldimethylammonium 1,4-Bis(2-ethylhexyl)sulfosuccinate Vesicle Permeability by Using Square Wave Voltammetry and an Enzymatic Reaction. *Langmuir*, **2017**, 33, 12080-12086 | 4 | 6 |

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| 42 | Interfacial Dynamics and Its Relations with ?Negative? Surface Viscosities Measured at Water?Air Interfaces Covered with a Cationic Surfactant. *Langmuir*, **2019**, 35, 8333-8343 | 4 | 6 |
| 41 | Properties of AOT reverse micelle interfaces with different polar solvents. *Journal of Physical Organic Chemistry*, **2016**, 29, 580-585 | 2.1 | 6 |
| 40 | C343 behavior in benzene/AOT reverse micelles. The role of the dye solubilization in the non-polar organic pseudophase. *Dyes and Pigments*, **2012**, 95, 290-295 | 4.6 | 6 |
| 39 | Piroxicam-loaded nanostructured lipid carriers gel: Design and characterization by square wave voltammetry. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 606, 125396 | 5.1 | 6 |
| 38 | Gold nanoparticles covalently assembled onto vesicle structures as possible biosensing platform. *Beilstein Journal of Nanotechnology*, **2016**, 7, 655-63 | 3 | 6 |
| 37 | Gold Nanoparticles Stabilized by Sulfonated-Imidazolium Salts as Promising Catalyst in Water. *ChemistrySelect*, **2019**, 4, 13496-13502 | 1.8 | 6 |
| 36 | Water-soluble gold nanoparticles: recyclable catalysts for the reduction of aromatic nitro compounds in water.. *RSC Advances*, **2020**, 10, 15065-15071 | 3.7 | 6 |
| 35 | Imim-DEHP reverse micelles investigated with two molecular probes reveals how are the interfacial properties and the coordination behavior of the surfactant. *Journal of Molecular Liquids*, **2020**, 313, 113592 | 6 | 5 |
| 34 | Spontaneous catanionic vesicles formed by the interaction between an anionic Ecyclodextrins derivative and a cationic surfactant.. *RSC Advances*, **2018**, 8, 12535-12539 | 3.7 | 5 |
| 33 | Non-aqueous reverse micelles created with a cationic surfactant: Encapsulating ethylene glycol in BHDC/non-polar solvent blends. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 509, 467-473 | 5.1 | 5 |
| 32 | Determining the substrate permeability through the bilayer of large unilamellar vesicles of DOPC. A kinetic study. *RSC Advances*, **2016**, 6, 62594-62601 | 3.7 | 5 |
| 31 | Square Wave Voltammetry: An Alternative Technique to Determinate Piroxicam Release Profiles from Nanostructured Lipid Carriers. *ChemPhysChem*, **2016**, 17, 2322-8 | 3.2 | 5 |
| 30 | A kinetic study of the photodynamic effect on tryptophan methyl ester and tryptophan octyl ester in DOPC vesicles. *Photochemistry and Photobiology*, **2010**, 86, 96-103 | 3.6 | 5 |
| 29 | Amphiphilic ionic liquids as sustainable components to formulate promising vesicles to be used in nanomedicine. *Current Opinion in Green and Sustainable Chemistry*, **2020**, 26, 100382 | 7.9 | 4 |
| 28 | Supramolecular Systems as an Alternative for Enzymatic Degradation of 1-Naphthyl Methylcarbamate (Carbaryl) Pesticide. *ChemistrySelect*, **2019**, 4, 7204-7210 | 1.8 | 4 |
| 27 | Probing the microenvironment of unimicelles constituted of amphiphilic hyperbranched polyethyleneimine using 1-methyl-8-oxyquinolinium betaine. *Physical Chemistry Chemical Physics*, **2014**, 16, 13458-64 | 3.6 | 4 |
| 26 | Subtleties of catanionic surfactant reverse micelle assemblies revealed by a fluorescent molecular probe. *Methods and Applications in Fluorescence*, **2017**, 5, 044001 | 3.1 | 4 |
| 25 | On the design of a versatile ionic liquid, AOBH-DEHP, which can be used as a new molecular probe to investigate supramolecular assemblies. *Dyes and Pigments*, **2017**, 138, 68-76 | 4.6 | 4 |

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| 24 | Spontaneous formation of unilamellar vesicles based on the surfactant 1-methylimidazolium bis-(2-ethylhexyl) phosphate, evaluated as a function of pH and in saline solution. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 606, 125435 | 5.1 | 4 |
| 23 | Influence of the AOT Counterion Chemical Structure on the Generation of Organized Systems. *Langmuir*, **2020**, 36, 10785-10793 | 4 | 4 |
| 22 | Electrochemical and photophysical behavior of 1-naphthol in benzyl-n-hexadecyldimethylammonium 1,4-bis(2-ethylhexyl)sulfosuccinate large unilamellar vesicles. *Physical Chemistry Chemical Physics*, **2016**, 18, 15645-53 | 3.6 | 4 |
| 21 | Catanionic Reverse Micelles as an Optimal Microenvironment To Alter the Water Electron Donor Capacity in a S2 Reaction. *Journal of Organic Chemistry*, **2019**, 84, 1185-1191 | 4.2 | 4 |
| 20 | Ionic Liquids in Soft Confinement **2015**, 283-301 | | 3 |
| 19 | Biocompatible Solvents and Ionic Liquid-Based Surfactants as Sustainable Components to Formulate Environmentally Friendly Organized Systems. *Polymers*, **2021**, 13, | 4.5 | 3 |
| 18 | Modified reverse micelle method as facile way to obtain several gold nanoparticle morphologies. *Journal of Molecular Liquids*, **2021**, 331, 115709 | 6 | 3 |
| 17 | Vehiculization of noscapine in large unilamellar vesicles. Study of its protective role against lipid peroxidation by electrochemical techniques. *Journal of Electroanalytical Chemistry*, **2019**, 833, 26-32 | 4.1 | 3 |
| 16 | Polyclonal antibody production anti Pc_312-324 peptide. Its potential use in electrochemical immunosensors for transgenic soybean detection. *Bioelectrochemistry*, **2020**, 131, 107397 | 5.6 | 3 |
| 15 | Characterization of a label system formed by large unilamellar vesicles for its potential use in the design of electrochemical biosensors. *Microchemical Journal*, **2018**, 140, 105-113 | 4.8 | 2 |
| 14 | Understanding Metallic Nanoparticles Stabilization in Water by Imidazolium Salts: A Complete Physicochemical Study. *ChemistrySelect*, **2020**, 5, 11264-11271 | 1.8 | 2 |
| 13 | The Use of AOBH-DEHP Molecular Probe to Characterize BHDC Reverse Micelles Interfaces. Insights on the Interfacial Water Structure. *ChemistrySelect*, **2017**, 2, 2880-2887 | 1.8 | 1 |
| 12 | Reply to "Comment on 'An interesting case where water behaves as a unique solvent. 4-Aminophthalimide emission profile to monitor aqueous environment'". *Journal of Physical Chemistry B*, **2013**, 117, 5389-91 | 3.4 | 1 |
| 11 | Binding Constant of Amines to Water/AOT/n-Hexene Reverse Micelles. Influence of the Chemical Structure. *Molecules*, **2000**, 5, 512-513 | 4.8 | 1 |
| 10 | Is it Necessary for the Use of Fluorinated Compounds to Formulate Reverse Micelles in a Supercritical Fluid? Searching the Best Cosurfactant to Create "Green" AOT Reverse Micelle Media. *Langmuir*, **2021**, 37, 445-453 | 4 | 1 |
| 9 | Electrochemical Methodology as an Useful Tool for the Interfacial Characterization of Aqueous Reverse Micelles. *ChemistrySelect*, **2019**, 4, 14309-14314 | 1.8 | 1 |
| 8 | How the external solvent in biocompatible reverse micelles can improve the alkaline phosphatase behavior. *Organic and Biomolecular Chemistry*, **2021**, 19, 4969-4977 | 3.9 | 1 |
| 7 | New Insights into the Catalytic Activity and Reusability of Water-Soluble Silver Nanoparticles. *ChemistrySelect*, **2021**, 6, 7436-7442 | 1.8 | 1 |

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| 6 | Spectroscopic characterization and general features of piroxicam encapsulated in nanostructured lipid carriers. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 616, 126340 | 5.1 | 0 |
| 5 | A simple electrochemical immunosensor for sensitive detection of transgenic soybean protein CP4-EPSPS in seeds. *Talanta*, **2022**, 237, 122910 | 6.2 | 0 |
| 4 | Monitoring the microenvironment inside polymeric micelles using the fluorescence probe 6-propionyl-2-dimethylaminonaphthalene (PRODAN). *Journal of Molecular Liquids*, **2021**, 343, 117552 | 6 | 0 |
| 3 | Piroxicam-Loaded Nanostructured Lipid Nanocarriers Modified with Salicylic Acid: The Effect on Drug Release. *ChemistrySelect*, **2020**, 5, 804-809 | 1.8 | |
| 2 | Deciphering Solvation Effects in Aqueous Binary Mixtures by Fluorescence Behavior of 4-Aminophthalimide: The Comparison Between Ionic Liquids and Alcohols as Cosolvents. *Journal of Physical Chemistry B*, **2021**, 125, 13203-13211 | 3.4 | |
| 1 | Noscapine-Loaded Nanostructured Lipid Carriers as a Potential Topical Delivery to Bovine Mastitis Treatment. *ChemistrySelect*, **2020**, 5, 5922-5927 | 1.8 | |