Pilar Lopez Cornejo

List of Publications by Year
in descending order

91 papers	1,319 citations	361045 20 h-index	433756 31 g-index
93 all docs	93 docs citations	93 times ranked	1169 citing authors

#	Article	IF	Citations
1	Dynamic Light Scattering Study of AOT Microemulsions with Nonaqueous Polar Additives in an Oil Continuous Phase. Langmuir, 1998, 14, 3531-3537.	1.6	75
2	Compaction and Decompaction of DNA Induced by the Cationic Surfactant CTAB. Langmuir, 2012, 28, 10968-10979.	1.6	73
3	Use of the Pseudophase Model in the Interpretation of Reactivity under Restricted Geometry Conditions. An Application to the Study of the [Ru(NH3)5pz]2++ S2O82-Electron-Transfer Reaction in Different Microheterogeneous Systems. Journal of the American Chemical Society, 2002, 124, 5154-5164.	6.6	70
4	Use of the BrÃ¶nsted Equation in the Interpretation of Micellar Effects in Kinetics. Langmuir, 1996, 12, 4981-4986.	1.6	48
5	Preparation and Characterization of New Liposomes. Bactericidal Activity of Cefepime Encapsulated into Cationic Liposomes. Pharmaceutics, 2019, 11, 69.	2.0	47
6	Importance of hydrophobic interactions in the single-chained cationic surfactant-DNA complexation. Journal of Colloid and Interface Science, 2018, 521, 197-205.	5.0	43
7	Luminescence of Zinc Tetraphenylporphyrin in Ethylene Glycol-in-Oil Microemulsions. Langmuir, 1998, 14, 2042-2049.	1.6	39
8	Optimized Preparation of Levofloxacin Loaded Polymeric Nanoparticles. Pharmaceutics, 2019, 11, 57.	2.0	37
9	Micellar, Microemulsion, and Salt Kinetic Effects upon the Reaction Fe(CN)2(bpy)2 + S2O82-. Langmuir, 1997, 13, 3084-3089.	1.6	36
10	The Fluorophore 4â€²,6â€Diamidinoâ€2â€phenylindole (DAPI) Induces DNA Folding in Long Doubleâ€Stranded DNA. Chemistry - an Asian Journal, 2012, 7, 1803-1810.	1.7	33
11	Micellar Effects on the Kinetics of the Oxidation of the Excited State of the [Ru(bpy)3]2+ Complex by S2O82-. A Comparison of Different Approaches for the Interpretation of Micellar Effects on Kinetics. Journal of Physical Chemistry B, 2001, 105, 10523-10527.	1.2	30
12	Kinetic study of the reaction *[Ru(bpy)3]2++S2O82â^’ in solutions of Brij-35 at premicellar and micellar concentrations. Chemical Physics Letters, 2002, 352, 33-38.	1.2	30
13	Oxidation of Fe(CN)4â€“6 by S2O2â€“8 in AOTâ€“oilâ€“water microemulsions. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 2701-2704.	1.7	29
14	<i>P</i>â€Sulfocalix[6]arene as Nanocarrier for Controlled Delivery of Doxorubicin. Chemistry - an Asian Journal, 2017, 12, 679-689.	1.7	29
15	Kinetic Study of the Oxidation of [Ru(NH3)5pz]2+by [Co(C2O4)3]3-in AOTâ^’Oilâ^’Water Microemulsions and in CTACl Micellar Solutions. Langmuir, 2004, 20, 1558-1563.	1.6	27
16	Electron Transfer Reactions in Micellar Systems. Progress in Reaction Kinetics and Mechanism, 2000, 25, 371-407.	1.1	23
17	Study of water solubilized in AOT/n-decane/water microemulsions. Chemical Physics, 2008, 345, 65-72.	0.9	22
18	Study of the Reactions I-+ IrCl62-and Fe(CN)64-+ S2O82-in Micellar Solutions. Langmuir, 1997, 13, 187-191.	1.6	21

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19	Multivalent Calixarene-Based Liposomes as Platforms for Gene and Drug Delivery. Pharmaceutics, 2021, 13, 1250.	2.0	21
20	On the Equivalence of the Pseudophase Related Models and the BrÃ¶nsted Approach in the Interpretation of Reactivity under Restricted Geometry Conditions. Progress in Reaction Kinetics and Mechanism, 2004, 29, 289-310.	1.1	20
21	Cooperative interaction between metallosurfactants, derived from the [Ru(2,2â€²-bpy)3]2+ complex, and DNA. Colloids and Surfaces B: Biointerfaces, 2015, 135, 817-824.	2.5	20
22	Photoinduced electron transfer in non-aqueous microemulsions. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 142, 151-161.	2.0	19
23	Host-guest interactions between cyclodextrins and surfactants with functional groups at the end of the hydrophobic tail. Journal of Colloid and Interface Science, 2017, 491, 336-348.	5.0	19
24	Conformational changes of DNA in the presence of 12-s-12 gemini surfactants (s=2 and 10). Role of the spacer's length in the interaction surfactant-polynucleotide. Colloids and Surfaces B: Biointerfaces, 2014, 118, 90-100.	2.5	18
25	Self-aggregation in aqueous solution of amphiphilic cationic calix[4]arenes. Potential use as vectors and nanocarriers. Journal of Molecular Liquids, 2020, 304, 112724.	2.3	18
26	Comparative Study of Micellar and DNA Effects on the Reaction [Ru(NH3)5py]2++ S2O82-. Langmuir, 2003, 19, 3185-3189.	1.6	17
27	Binding of 12-s-12 dimeric surfactants to calf thymus DNA: Evaluation of the spacer length influence. Colloids and Surfaces B: Biointerfaces, 2016, 144, 311-318.	2.5	16
28	Assessment of the denaturation of collagen protein concentrates using different techniques. Biological Chemistry, 2019, 400, 1583-1591.	1.2	16
29	Study of ionic surfactants interactions with carboxylated single-walled carbon nanotubes by using ion-selective electrodes. Electrochemistry Communications, 2016, 67, 31-34.	2.3	15
30	The formation of the complex pentacyano(3-pyrazincarboxylate)ferrate(II) in various water-cosolvent mixtures. International Journal of Chemical Kinetics, 1990, 22, 1017-1026.	1.0	14
31	Solvent effects on the Co(NH3)4(pzCO2)2+â€“Fe(CN)64â€“reaction. An interpretation based on spectroscopic data. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 1155-1162.	1.7	14
32	Effect of surfactant addition on the kinetics of the reaction Fe(bpy)32++S2O82-. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 2181-2184.	1.7	14
33	Influence of the Micellar Electric Field on Electron-Transfer Processes (II):Â A Study of the Ru(NH3)5pz2++ Co(C2O4)33-Reaction in SDS Micellar Solution Containing NaCl. Langmuir, 2000, 16, 7986-7990.	1.6	14
34	Micellar effects on a ligand substitution reaction: Kinetics of the formation of [Fe(CN)5(Î¼-pz)Ru(NH3)5]â^', from [Fe(CN)5H2O]3â^'and [Ru(NH3)5pz]2+, in the presence of anionic micelles. International Journal of Chemical Kinetics, 2004, 36, 627-633.	1.0	14
35	Method for the Evaluation of the Reorganization Energy of Electron Transfer Reactions Produced under Restricted Geometry Conditions. Journal of Physical Chemistry B, 2005, 109, 1703-1707.	1.2	14
36	Effects of SB1.5G and SB4.5G dendrimers on the rate of the electron transfer reaction between [Ru(NH3)5pz]2+ and [Co(C2O4)3]3â^'. Chemical Physics Letters, 2004, 398, 82-86.	1.2	13

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37	Effect of the structure and concentration of cyclodextrins in the quenching process of naproxen. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 188, 5-11.	2.0	13
38	Preparation and characterization of metallomicelles of Ru(II). Cytotoxic activity and use as vector. Colloids and Surfaces B: Biointerfaces, 2019, 175, 116-125.	2.5	13
39	Kinetic study of the electron transfer process between Ru(NH3)5pz2+ and S2O82â^' in waterâ€"cosolvent mixtures: a new component of reorganization energy. Chemical Physics, 1999, 243, 159-168.	0.9	12
40	Estimation of electron transfer rate constants by static (optical and electrochemical) measurements. Chemical Physics, 1999, 250, 321-334.	0.9	12
41	Salt and Solvent Effects on the Kinetics of the Oxidation of the Excited State of the [Ru(bpy)3]2+Complex by S2O82-. Journal of Physical Chemistry A, 2006, 110, 4196-4201.	1.1	12
42	Influence of the Charge and Concentration of Coreactants on the Apparent Binding Constant of the Reactant to Micelles. Langmuir, 2003, 19, 5991-5995.	1.6	11
43	Cooperative and Noncooperative Binding of *Ru(bpy)₃²⁺ to DNA and SB4.5G Dendrimers. Journal of Physical Chemistry B, 2009, 113, 9373-9378.	1.2	11
44	Salt and Solvent Effects on the Kinetics and Thermodynamics of the Inclusion of the Ruthenium Complex [Ru(NH3)5(4,4â€˜-bpy)]2+in Î²-Cyclodextrin. Journal of Physical Chemistry B, 2006, 110, 12959-12963.	1.2	10
45	Reversibility of the interactions between a novel surfactant derived from lysine and biomolecules. Colloids and Surfaces B: Biointerfaces, 2015, 135, 346-356.	2.5	10
46	Potentiometric Study of Carbon Nanotube/Surfactant Interactions by Ion-Selective Electrodes. Driving Forces in the Adsorption and Dispersion Processes. International Journal of Molecular Sciences, 2021, 22, 826.	1.8	10
47	Interaction between monomers of two surfactants derived from the [Ru(2,2â€²-bpy)3]2+ complex and Î±, Î² and Î³-cyclodextrins: formation of [2]- and [3]-pseudorotaxanes. Dalton Transactions, 2013, 42, 6171.	1.6	9
48	Metallo-Liposomes of Ruthenium Used as Promising Vectors of Genetic Material. Pharmaceutics, 2020, 12, 482.	2.0	9
49	A study of the electron-transfer reaction between Fe(CN)2(bpy)2 and S2O82- in solvent mixtures: the translational component of solvent reorganization. New Journal of Chemistry, 1998, 22, 39-44.	1.4	8
50	Oxidation of Fe(CN)4(bpy)2- by S2O2-8 in AOT-Oil-Water Microemulsions. Journal of Colloid and Interface Science, 1994, 166, 503-505.	5.0	7
51	Specific interactions in reversed micelles: Oxidation of Fe(bpy)32+by S2O82â^'in AOT-oil-water microemulsions. International Journal of Chemical Kinetics, 1995, 27, 525-534.	1.0	7
52	Ionic strength effects in binary aqueous mixtures: Study of the reaction between Co(en)2(2-pzCO2)2+and Fe(CN)5H2O3â^'. International Journal of Chemical Kinetics, 1995, 27, 807-815.	1.0	7
53	Common basis for salt, micelle and microemulsion effects upon the ionic reaction of hexachloroiridate(IV) with thiosulfate. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 3381-3384.	1.7	7
54	On the Calculation of Transition State Activity Coefficient and Solvent Effects on Chemical Reactions. Collection of Czechoslovak Chemical Communications, 1998, 63, 1969-1976.	1.0	7

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55	Salt effects upon the S2O82? + Ru(NH3)5pz2+ electron transfer reaction. International Journal of Chemical Kinetics, 1999, 31, 485-490.	1.0	7
56	Binding of Ru(NH₃)₅pz²⁺ to 4-Sulfocalix[4]arene Sodium Salt. Effects of the Hostâˆ'Guest Interaction on Electron Transfer Processes. Journal of Physical Chemistry B, 2009, 113, 12721-12726.	1.2	7
57	Binding of DNA by a dinitro-diester calix[4]arene: Denaturation and condensation of DNA. Colloids and Surfaces B: Biointerfaces, 2015, 127, 65-72.	2.5	7
58	Cationic Single-Chained Surfactants with a Functional Group at the End of the Hydrophobic Tail DNA Compacting Efficiency. Pharmaceutics, 2021, 13, 589.	2.0	7
59	Study of the Reaction Fe(CN)5(4-CNpy)3- + CN- in AOT-Oil-Water Microemulsions. Journal of Colloid and Interface Science, 1993, 159, 53-57.	5.0	6
60	Rigidity and/or Flexibility of Calixarenes. Effect of the p-Sulfonatocalix[n]arenes (n = 4, 6, and 8) on the Electron Transfer Process [Ru(NH3)5pz]2+ + Co(C2O4)33-. Journal of Physical Chemistry B, 2007, 111, 10697-10702.	1.2	6
61	Influence of the surfactant degree of oligomerization on the formation of cyclodextrin: surfactant inclusion complexes. Arabian Journal of Chemistry, 2020, 13, 2318-2330.	2.3	6
62	Metallo-Liposomes Derived from the [Ru(bpy)3]2+ Complex as Nanocarriers of Therapeutic Agents. Chemosensors, 2021, 9, 90.	1.8	6
63	Method for the evaluation of the reorganization energy of electron transfer reactions in waterâ€"methanol mixtures. Chemical Physics Letters, 2005, 407, 342-346.	1.2	5
64	Strength and Character of Peptide/Anion Interactions. Journal of Physical Chemistry B, 2005, 109, 19676-19680.	1.2	5
65	Role of the spacer in the non ideal behavior of alkanedyil-Î±,Ï‰-bis(dodecyldimethylammonium) bromide-MEGA10 binary mixtures. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 418, 139-146.	2.3	5
66	Influence of the degree of oligomerization of surfactants on the DNA/surfactant interaction. Colloids and Surfaces B: Biointerfaces, 2019, 182, 110399.	2.5	5
67	Determination of Substrate/Ligand Binding Constants from Electromotrive Force Measurements. Journal of Solution Chemistry, 2008, 37, 519-526.	0.6	4
68	Formation of a Rotaxane from the End-Capping Process of a Pseudorotaxane. Effects of the Solvent. Journal of Physical Chemistry B, 2008, 112, 11610-11615.	1.2	4
69	Kinetic study of the condensation of salicylaldehyde with diethyl malonate in a nonpolar solvent catalyzed by secondary amines. International Journal of Chemical Kinetics, 2009, 41, 589-598.	1.0	4
70	The use of a kinetic process as sensor to determine DNA conformation changes in solution. Chemical Physics Letters, 2011, 511, 413-417.	1.2	4
71	On the applicability of the two state (pseudophase) model to photochemical reactions under restricted geometry conditions. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 248, 36-41.	2.0	4
72	Stoppering/unstoppering of a rotaxane formed between an N-hetorycle ligand containing surfactant: Î²-cyclodextrin pseudorotaxane and pentacyanoferrate(II) ions. Journal of Colloid and Interface Science, 2017, 497, 343-349.	5.0	4

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73	Structure-property relationships of d-mannitol-based cationic poly(amide triazoles) and their self-assembling complexes with DNA. European Polymer Journal, 2020, 123, 109458.	2.6	4
74	Quenching of two conformers of the naphthalene derivative, nabumetone, in water. Journal of Luminescence, 2008, 128, 1241-1247.	1.5	3
75	A New Formulation for Quenching Processes under Restricted Geometry Conditions in the Slow Exchange Limit. Progress in Reaction Kinetics and Mechanism, 2014, 39, 151-170.	1.1	3
76	Fluorescence quenching of 1-pyrene-carboxaldehyde by iodide ions in the presence of anionic (SDS) and cationic (CTAC) micelles: a quantitative treatment. RSC Advances, 2015, 5, 46485-46492.	1.7	3
77	Synthesis of chiral iron-based ionic liquids: modelling stable hybrid materials. New Journal of Chemistry, 2020, 44, 6375-6383.	1.4	3
78	Supramolecular Systems for Gene and Drug Delivery. Pharmaceutics, 2022, 14, 471.	2.0	3
79	Fluorescent Calixarene-Schiff as a Nanovehicle with Biomedical Purposes. Chemosensors, 2022, 10, 281.	1.8	3
80	Kinetic salt effects on the outer sphere electron transfer reaction between hexacyanoferrate(II) and 4-pyridinecarboxylatopentammine cobalt(III). International Journal of Chemical Kinetics, 1992, 24, 1083-1091.	1.0	2
81	Title is missing!. Transition Metal Chemistry, 2000, 25, 674-679.	0.7	2
82	Title is missing!. Transition Metal Chemistry, 2002, 27, 127-133.	0.7	2
83	Ruthenium complexes of 3-hydroxy-4-pyranones and of 3-hydroxy-4-pyridinones. Transition Metal Chemistry, 2008, 33, 553-561.	0.7	2
84	Photoinduced Electron-Transfer Reactions: A Study of the Diffusion-Controlled and Activation-Diffusion-Controlled Processes. Journal of Physical Chemistry A, 2010, 114, 7912-7917.	1.1	2
85	Binding and reactivity under restricted geometry conditions: Applicability of the Pseudophase Model to thermal and photochemical processes. Current Opinion in Colloid and Interface Science, 2017, 32, 23-28.	3.4	2
86	Influence of the cyclodextrin nature on the decompaction of dimeric cationic surfactant-DNA complexes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 133-141.	2.3	2
87	Properties of polyplexes formed between a cationic polymer derived from l-arabinitol and nucleic acids. New Journal of Chemistry, 2021, 45, 10098-10108.	1.4	2
88	Micellar effects upon the forward and reverse processes corresponding to the reaction between acetonitrile pentacyanoferrate(II) and pentaamminepyrazineruthenium(II). Chemical Physics Letters, 2008, 451, 252-256.	1.2	1
89	Abnormal salt effects on reactions between ions: The coupling of salt and solvent effects. International Journal of Chemical Kinetics, 2009, 41, 582-588.	1.0	1
90	Estimation of the reorganization and reaction free energies for electron transfer processes from optical and thermal data. An application to the reaction [FeII(CN)5pzCoIII(NH3)5] â†' [FeIII(CN)5pzCoII(NH3)5]. New Journal of Chemistry, 2006, 30, 712-716.	1.4	0

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91	Salt Effects on the Formation of the Rotaxane [Ru(NH3)5(4,4â€²-bpy)/Î²-CD/Fe(CN)5]â^’. Journal of Solution Chemistry, 2011, 40, 1701-1710.	0.6	0