

Pilar Lopez Cornejo

List of Publications by Year in descending order

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91
papers

1,319
citations

361413

20
h-index

434195

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.	3.5	75
2	Compaction and Decompaction of DNA Induced by the Cationic Surfactant CTAB. Langmuir, 2012, 28, 10968-10979.	3.5	73
3	Use of the Pseudophase Model in the Interpretation of Reactivity under Restricted Geometry Conditions. An Application to the Study of the [Ru(NH ₃) ₅ pz] ²⁺ S ₂ O ₈ ²⁻ -Electron-Transfer Reaction in Different Microheterogeneous Systems. Journal of the American Chemical Society, 2002, 124, 5154-5164.	13.7	70
4	Use of the Brønsted Equation in the Interpretation of Micellar Effects in Kinetics. Langmuir, 1996, 12, 4981-4986.	3.5	48
5	Preparation and Characterization of New Liposomes. Bactericidal Activity of Cefepime Encapsulated into Cationic Liposomes. Pharmaceutics, 2019, 11, 69.	4.5	47
6	Importance of hydrophobic interactions in the single-chained cationic surfactant-DNA complexation. Journal of Colloid and Interface Science, 2018, 521, 197-205.	9.4	43
7	Luminescence of Zinc Tetraphenylporphyrin in Ethylene Glycol-in-Oil Microemulsions. Langmuir, 1998, 14, 2042-2049.	3.5	39
8	Optimized Preparation of Levofloxacin Loaded Polymeric Nanoparticles. Pharmaceutics, 2019, 11, 57.	4.5	37
9	Micellar, Microemulsion, and Salt Kinetic Effects upon the Reaction Fe(CN) ₂ (bpy) ₂ + S ₂ O ₈ ²⁻ . Langmuir, 1997, 13, 3084-3089.	3.5	36
10	The Fluorophore 4',6'-Diamidino-2-phenylindole (DAPI) Induces DNA Folding in Long Double-Stranded DNA. Chemistry - an Asian Journal, 2012, 7, 1803-1810.	3.3	33
11	Micellar Effects on the Kinetics of the Oxidation of the Excited State of the [Ru(bpy) ₃] ²⁺ Complex by S ₂ O ₈ ²⁻ . A Comparison of Different Approaches for the Interpretation of Micellar Effects on Kinetics. Journal of Physical Chemistry B, 2001, 105, 10523-10527.	2.6	30
12	Kinetic study of the reaction * [Ru(bpy) ₃] ²⁺ +S ₂ O ₈ ²⁻ in solutions of Brij-35 at pre-micellar and micellar concentrations. Chemical Physics Letters, 2002, 352, 33-38.	2.6	30
13	Oxidation of Fe(CN) ₆ ⁴⁻ by S ₂ O ₈ ²⁻ in AOT-oil-water microemulsions. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 2701-2704.	1.7	29
14	Sulfocalix[6]arene as Nanocarrier for Controlled Delivery of Doxorubicin. Chemistry - an Asian Journal, 2017, 12, 679-689.	3.3	29
15	Kinetic Study of the Oxidation of [Ru(NH ₃) ₅ pz] ²⁺ by [Co(C ₂ O ₄) ₃] ³⁻ in AOT-oil-water Microemulsions and in CTAC Micellar Solutions. Langmuir, 2004, 20, 1558-1563.	3.5	27
16	Electron Transfer Reactions in Micellar Systems. Progress in Reaction Kinetics and Mechanism, 2000, 25, 371-407.	2.1	23
17	Study of water solubilized in AOT/n-decane/water microemulsions. Chemical Physics, 2008, 345, 65-72.	1.9	22
18	Study of the Reactions I ⁺ IrCl ₆ ²⁻ and Fe(CN) ₆ ⁴⁻ S ₂ O ₈ ²⁻ in Micellar Solutions. Langmuir, 1997, 13, 187-191.	3.5	21

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19	Multivalent Calixarene-Based Liposomes as Platforms for Gene and Drug Delivery. <i>Pharmaceutics</i> , 2021, 13, 1250.	4.5	21
20	On the Equivalence of the Pseudophase Related Models and the Brønsted Approach in the Interpretation of Reactivity under Restricted Geometry Conditions. <i>Progress in Reaction Kinetics and Mechanism</i> , 2004, 29, 289-310.	2.1	20
21	Cooperative interaction between metallosurfactants, derived from the $[Ru(2,2\text{-bpy})_3]^{2+}$ complex, and DNA. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 817-824.	5.0	20
22	Photoinduced electron transfer in non-aqueous microemulsions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 142, 151-161.	3.9	19
23	Host-guest interactions between cyclodextrins and surfactants with functional groups at the end of the hydrophobic tail. <i>Journal of Colloid and Interface Science</i> , 2017, 491, 336-348.	9.4	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. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 118, 90-100.	5.0	18
25	Self-aggregation in aqueous solution of amphiphilic cationic calix[4]arenes. Potential use as vectors and nanocarriers. <i>Journal of Molecular Liquids</i> , 2020, 304, 112724.	4.9	18
26	Comparative Study of Micellar and DNA Effects on the Reaction $[Ru(NH_3)_5py]^{2+}$ S ₂ O ₈ ²⁻ . <i>Langmuir</i> , 2003, 19, 3185-3189.	3.5	17
27	Binding of 12-s-12 dimeric surfactants to calf thymus DNA: Evaluation of the spacer length influence. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 144, 311-318.	5.0	16
28	Assessment of the denaturation of collagen protein concentrates using different techniques. <i>Biological Chemistry</i> , 2019, 400, 1583-1591.	2.5	16
29	Study of ionic surfactants interactions with carboxylated single-walled carbon nanotubes by using ion-selective electrodes. <i>Electrochemistry Communications</i> , 2016, 67, 31-34.	4.7	15
30	The formation of the complex pentacyano(3-pyrazincarboxylate)ferrate(II) in various water-cosolvent mixtures. <i>International Journal of Chemical Kinetics</i> , 1990, 22, 1017-1026.	1.6	14
31	Solvent effects on the $Co(NH_3)_4(pzCO_2)_2 + Fe(CN)_6^{4-}$ reaction. An interpretation based on spectroscopic data. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 1155-1162.	1.7	14
32	Effect of surfactant addition on the kinetics of the reaction $Fe(bpy)_3^{2+}$ S ₂ O ₈ ²⁻ . <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 2181-2184.	1.7	14
33	Influence of the Micellar Electric Field on Electron-Transfer Processes (II): A Study of the $Ru(NH_3)_5pz^{2+}$ $Co(C_2O_4)_3^{3-}$ Reaction in SDS Micellar Solution Containing NaCl. <i>Langmuir</i> , 2000, 16, 7986-7990.	3.5	14
34	Micellar effects on a ligand substitution reaction: Kinetics of the formation of $[Fe(CN)_5(\frac{1}{4}\text{-pz})Ru(NH_3)_5]^{2+}$, from $[Fe(CN)_5H_2O]^{3-}$ and $[Ru(NH_3)_5pz]^{2+}$, in the presence of anionic micelles. <i>International Journal of Chemical Kinetics</i> , 2004, 36, 627-633.	1.6	14
35	Method for the Evaluation of the Reorganization Energy of Electron Transfer Reactions Produced under Restricted Geometry Conditions. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1703-1707.	2.6	14
36	Effects of SB1.5G and SB4.5G dendrimers on the rate of the electron transfer reaction between $[Ru(NH_3)_5pz]^{2+}$ and $[Co(C_2O_4)_3]^{3-}$. <i>Chemical Physics Letters</i> , 2004, 398, 82-86.	2.6	13

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37	Effect of the structure and concentration of cyclodextrins in the quenching process of naproxen. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 188, 5-11.	3.9	13
38	Preparation and characterization of metallomicelles of Ru(II). Cytotoxic activity and use as vector. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 116-125.	5.0	13
39	Kinetic study of the electron transfer process between Ru(NH ₃) ₅ pz ²⁺ and S ₂ O ₈ ²⁻ in water-cosolvent mixtures: a new component of reorganization energy. <i>Chemical Physics</i> , 1999, 243, 159-168.	1.9	12
40	Estimation of electron transfer rate constants by static (optical and electrochemical) measurements. <i>Chemical Physics</i> , 1999, 250, 321-334.	1.9	12
41	Salt and Solvent Effects on the Kinetics of the Oxidation of the Excited State of the [Ru(bpy) ₃] ²⁺ Complex by S ₂ O ₈ ²⁻ . <i>Journal of Physical Chemistry A</i> , 2006, 110, 4196-4201.	2.5	12
42	Influence of the Charge and Concentration of Coreactants on the Apparent Binding Constant of the Reactant to Micelles. <i>Langmuir</i> , 2003, 19, 5991-5995.	3.5	11
43	Cooperative and Noncooperative Binding of *Ru(bpy) ₃ ²⁺ to DNA and SB4.5G Dendrimers. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9373-9378.	2.6	11
44	Salt and Solvent Effects on the Kinetics and Thermodynamics of the Inclusion of the Ruthenium Complex [Ru(NH ₃) ₅ (4- <i>bpy</i>) ₂] ⁺ in β -Cyclodextrin. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12959-12963.	2.6	10
45	Reversibility of the interactions between a novel surfactant derived from lysine and biomolecules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 346-356.	5.0	10
46	Potentiometric Study of Carbon Nanotube/Surfactant Interactions by Ion-Selective Electrodes. Driving Forces in the Adsorption and Dispersion Processes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 826.	4.1	10
47	Interaction between monomers of two surfactants derived from the [Ru(2,2'- <i>bpy</i>) ₃] ²⁺ complex and β , γ and δ -cyclodextrins: formation of [2]- and [3]-pseudorotaxanes. <i>Dalton Transactions</i> , 2013, 42, 6171.	3.3	9
48	Metallo-Liposomes of Ruthenium Used as Promising Vectors of Genetic Material. <i>Pharmaceutics</i> , 2020, 12, 482.	4.5	9
49	A study of the electron-transfer reaction between Fe(CN) ₂ (bpy) ₂ and S ₂ O ₈ ²⁻ in solvent mixtures: the translational component of solvent reorganization. <i>New Journal of Chemistry</i> , 1998, 22, 39-44.	2.8	8
50	Oxidation of Fe(CN) ₄ (bpy) ₂ ⁻ by S ₂ O ₈ ²⁻ in AOT-Oil-Water Microemulsions. <i>Journal of Colloid and Interface Science</i> , 1994, 166, 503-505.	9.4	7
51	Specific interactions in reversed micelles: Oxidation of Fe(bpy) ₃ ²⁺ by S ₂ O ₈ ²⁻ in AOT-oil-water microemulsions. <i>International Journal of Chemical Kinetics</i> , 1995, 27, 525-534.	1.6	7
52	Ionic strength effects in binary aqueous mixtures: Study of the reaction between Co(en) ₂ (2-pzCO ₂) ₂ ⁺ and Fe(CN) ₅ H ₂ O ₃ ⁻ . <i>International Journal of Chemical Kinetics</i> , 1995, 27, 807-815.	1.6	7
53	Common basis for salt, micelle and microemulsion effects upon the ionic reaction of hexachloroiridate(IV) with thiosulfate. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 3381-3384.	1.7	7
54	On the Calculation of Transition State Activity Coefficient and Solvent Effects on Chemical Reactions. <i>Collection of Czechoslovak Chemical Communications</i> , 1998, 63, 1969-1976.	1.0	7

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55	Salt effects upon the $S_2O_8^{2-} + Ru(NH_3)_5pz^{2+}$ electron transfer reaction. <i>International Journal of Chemical Kinetics</i> , 1999, 31, 485-490.	1.6	7
56	Binding of $Ru(NH_3)_5pz^{2+}$ to 4-Sulfocalix[4]arene Sodium Salt. Effects of the Host-Guest Interaction on Electron Transfer Processes. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12721-12726.	2.6	7
57	Binding of DNA by a dinitro-diester calix[4]arene: Denaturation and condensation of DNA. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 127, 65-72.	5.0	7
58	Cationic Single-Chained Surfactants with a Functional Group at the End of the Hydrophobic Tail DNA Compacting Efficiency. <i>Pharmaceutics</i> , 2021, 13, 589.	4.5	7
59	Study of the Reaction $Fe(CN)_5(4-CNpy)^{3-} + CN^-$ in AOT-Oil-Water Microemulsions. <i>Journal of Colloid and Interface Science</i> , 1993, 159, 53-57.	9.4	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 $[Ru(NH_3)_5pz]^{2+} + Co(C_2O_4)^{3-}$. <i>Journal of Physical Chemistry B</i> , 2007, 111, 10697-10702.	2.6	6
61	Influence of the surfactant degree of oligomerization on the formation of cyclodextrin: surfactant inclusion complexes. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2318-2330.	4.9	6
62	Metallo-Liposomes Derived from the $[Ru(bpy)_3]^{2+}$ Complex as Nanocarriers of Therapeutic Agents. <i>Chemosensors</i> , 2021, 9, 90.	3.6	6
63	Method for the evaluation of the reorganization energy of electron transfer reactions in water-methanol mixtures. <i>Chemical Physics Letters</i> , 2005, 407, 342-346.	2.6	5
64	Strength and Character of Peptide/Anion Interactions. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19676-19680.	2.6	5
65	Role of the spacer in the non ideal behavior of alkanediyil- β -bis(dodecyldimethylammonium) bromide-MEGA10 binary mixtures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 418, 139-146.	4.7	5
66	Influence of the degree of oligomerization of surfactants on the DNA/surfactant interaction. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110399.	5.0	5
67	Determination of Substrate/Ligand Binding Constants from Electromotive Force Measurements. <i>Journal of Solution Chemistry</i> , 2008, 37, 519-526.	1.2	4
68	Formation of a Rotaxane from the End-Capping Process of a Pseudorotaxane. Effects of the Solvent. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11610-11615.	2.6	4
69	Kinetic study of the condensation of salicylaldehyde with diethyl malonate in a nonpolar solvent catalyzed by secondary amines. <i>International Journal of Chemical Kinetics</i> , 2009, 41, 589-598.	1.6	4
70	The use of a kinetic process as sensor to determine DNA conformation changes in solution. <i>Chemical Physics Letters</i> , 2011, 511, 413-417.	2.6	4
71	On the applicability of the two state (pseudophase) model to photochemical reactions under restricted geometry conditions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 248, 36-41.	3.9	4
72	Stopping/unstopping of a rotaxane formed between an N-heterocycle ligand containing surfactant: β -cyclodextrin pseudorotaxane and pentacyanoferrate(II) ions. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 343-349.	9.4	4

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73	Structure-property relationships of d-mannitol-based cationic poly(amide triazoles) and their self-assembling complexes with DNA. <i>European Polymer Journal</i> , 2020, 123, 109458.	5.4	4
74	Quenching of two conformers of the naphthalene derivative, nabumetone, in water. <i>Journal of Luminescence</i> , 2008, 128, 1241-1247.	3.1	3
75	A New Formulation for Quenching Processes under Restricted Geometry Conditions in the Slow Exchange Limit. <i>Progress in Reaction Kinetics and Mechanism</i> , 2014, 39, 151-170.	2.1	3
76	Fluorescence quenching of 1-pyrene-carboxaldehyde by iodide ions in the presence of anionic (SDS) and cationic (CTAC) micelles: a quantitative treatment. <i>RSC Advances</i> , 2015, 5, 46485-46492.	3.6	3
77	Synthesis of chiral iron-based ionic liquids: modelling stable hybrid materials. <i>New Journal of Chemistry</i> , 2020, 44, 6375-6383.	2.8	3
78	Supramolecular Systems for Gene and Drug Delivery. <i>Pharmaceutics</i> , 2022, 14, 471.	4.5	3
79	Fluorescent Calixarene-Schiff as a Nanovehicle with Biomedical Purposes. <i>Chemosensors</i> , 2022, 10, 281.	3.6	3
80	Kinetic salt effects on the outer sphere electron transfer reaction between hexacyanoferrate(II) and 4-pyridinecarboxylatopentammine cobalt(III). <i>International Journal of Chemical Kinetics</i> , 1992, 24, 1083-1091.	1.6	2
81	Title is missing!. <i>Transition Metal Chemistry</i> , 2000, 25, 674-679.	1.4	2
82	Title is missing!. <i>Transition Metal Chemistry</i> , 2002, 27, 127-133.	1.4	2
83	Ruthenium complexes of 3-hydroxy-4-pyranones and of 3-hydroxy-4-pyridinones. <i>Transition Metal Chemistry</i> , 2008, 33, 553-561.	1.4	2
84	Photoinduced Electron-Transfer Reactions: A Study of the Diffusion-Controlled and Activation-Diffusion-Controlled Processes. <i>Journal of Physical Chemistry A</i> , 2010, 114, 7912-7917.	2.5	2
85	Binding and reactivity under restricted geometry conditions: Applicability of the Pseudophase Model to thermal and photochemical processes. <i>Current Opinion in Colloid and Interface Science</i> , 2017, 32, 23-28.	7.4	2
86	Influence of the cyclodextrin nature on the decompaction of dimeric cationic surfactant-DNA complexes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 133-141.	4.7	2
87	Properties of polyplexes formed between a cationic polymer derived from l-arabinitol and nucleic acids. <i>New Journal of Chemistry</i> , 2021, 45, 10098-10108.	2.8	2
88	Micellar effects upon the forward and reverse processes corresponding to the reaction between acetonitrile pentacyanoferrate(II) and pentaamminepyrazineruthenium(II). <i>Chemical Physics Letters</i> , 2008, 451, 252-256.	2.6	1
89	Abnormal salt effects on reactions between ions: The coupling of salt and solvent effects. <i>International Journal of Chemical Kinetics</i> , 2009, 41, 582-588.	1.6	1
90	Estimation of the reorganization and reaction free energies for electron transfer processes from optical and thermal data. An application to the reaction $[\text{Fe}(\text{CN})_5\text{pzColl}(\text{NH}_3)_5]^- + [\text{Fe}(\text{CN})_5\text{pzColl}(\text{NH}_3)_5]^+$. <i>New Journal of Chemistry</i> , 2006, 30, 712-716.	2.8	0

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91	Salt Effects on the Formation of the Rotaxane $[\text{Ru}(\text{NH}_3)_5(4,4\text{-bpy})\text{Fe}(\text{CN})_5]^{2+}$. Journal of Solution Chemistry, 2011, 40, 1701-1710.	1.2	0