

# Pilar Lopez Cornejo

## List of Publications by Year in descending order

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91  
papers

1,319  
citations

361045

20  
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433756

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93  
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93  
docs citations

93  
times ranked

1169  
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular Systems for Gene and Drug Delivery. <i>Pharmaceutics</i> , 2022, 14, 471.	2.0	3
2	Fluorescent Calixarene-Schiff as a Nanovehicle with Biomedical Purposes. <i>Chemosensors</i> , 2022, 10, 281.	1.8	3
3	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.	1.8	10
4	Metallo-Liposomes Derived from the [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> Complex as Nanocarriers of Therapeutic Agents. <i>Chemosensors</i> , 2021, 9, 90.	1.8	6
5	Cationic Single-Chained Surfactants with a Functional Group at the End of the Hydrophobic Tail DNA Compacting Efficiency. <i>Pharmaceutics</i> , 2021, 13, 589.	2.0	7
6	Multivalent Calixarene-Based Liposomes as Platforms for Gene and Drug Delivery. <i>Pharmaceutics</i> , 2021, 13, 1250.	2.0	21
7	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.	1.4	2
8	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.	2.3	6
9	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.	2.6	4
10	Metallo-Liposomes of Ruthenium Used as Promising Vectors of Genetic Material. <i>Pharmaceutics</i> , 2020, 12, 482.	2.0	9
11	Synthesis of chiral iron-based ionic liquids: modelling stable hybrid materials. <i>New Journal of Chemistry</i> , 2020, 44, 6375-6383.	1.4	3
12	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.	2.3	18
13	Influence of the degree of oligomerization of surfactants on the DNA/surfactant interaction. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110399.	2.5	5
14	Optimized Preparation of Levofloxacin Loaded Polymeric Nanoparticles. <i>Pharmaceutics</i> , 2019, 11, 57.	2.0	37
15	Assessment of the denaturation of collagen protein concentrates using different techniques. <i>Biological Chemistry</i> , 2019, 400, 1583-1591.	1.2	16
16	Preparation and Characterization of New Liposomes. Bactericidal Activity of Cefepime Encapsulated into Cationic Liposomes. <i>Pharmaceutics</i> , 2019, 11, 69.	2.0	47
17	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.	2.5	13
18	Importance of hydrophobic interactions in the single-chained cationic surfactant-DNA complexation. <i>Journal of Colloid and Interface Science</i> , 2018, 521, 197-205.	5.0	43

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19	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.	2.3	2
20	Sulfocalix[6]arene as Nanocarrier for Controlled Delivery of Doxorubicin. <i>Chemistry - an Asian Journal</i> , 2017, 12, 679-689.	1.7	29
21	Stopping/unstopping of a rotaxane formed between an N-heterocycle ligand containing surfactant: $\beta$ -cyclodextrin pseudorotaxane and pentacyanoferrate(II) ions. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 343-349.	5.0	4
22	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.	5.0	19
23	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.	3.4	2
24	Study of ionic surfactants interactions with carboxylated single-walled carbon nanotubes by using ion-selective electrodes. <i>Electrochemistry Communications</i> , 2016, 67, 31-34.	2.3	15
25	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.	2.5	16
26	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.	2.5	7
27	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.	1.7	3
28	Cooperative interaction between metallosurfactants, derived from the $[\text{Ru}(2,2'\text{-bpy})_3]^{2+}$ complex, and DNA. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 817-824.	2.5	20
29	Reversibility of the interactions between a novel surfactant derived from lysine and biomolecules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 346-356.	2.5	10
30	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.	1.1	3
31	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.	2.5	18
32	Interaction between monomers of two surfactants derived from the $[\text{Ru}(2,2'\text{-bpy})_3]^{2+}$ complex and $\beta$ , $\gamma$ and $\delta$ -cyclodextrins: formation of [2]- and [3]-pseudorotaxanes. <i>Dalton Transactions</i> , 2013, 42, 6171.	1.6	9
33	Role of the spacer in the non ideal behavior of alkanediyl- $\beta$ -bis(dodecyldimethylammonium) bromide-MEGA10 binary mixtures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 418, 139-146.	2.3	5
34	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.	2.0	4
35	Compaction and Decompaction of DNA Induced by the Cationic Surfactant CTAB. <i>Langmuir</i> , 2012, 28, 10968-10979.	1.6	73
36	The Fluorophore 4',6-diamidino-2-phenylindole (DAPI) Induces DNA Folding in Long Double-Stranded DNA. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1803-1810.	1.7	33

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37	The use of a kinetic process as sensor to determine DNA conformation changes in solution. <i>Chemical Physics Letters</i> , 2011, 511, 413-417.	1.2	4
38	Salt Effects on the Formation of the Rotaxane $[Ru(NH_3)_5(4,4\text{-bpy})/\beta\text{-CD}/Fe(CN)_5]^{2+}$ . <i>Journal of Solution Chemistry</i> , 2011, 40, 1701-1710.	0.6	0
39	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.	1.1	2
40	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.	1.0	4
41	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.	1.0	1
42	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.	1.2	7
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.	1.2	11
44	Study of water solubilized in AOT/n-decane/water microemulsions. <i>Chemical Physics</i> , 2008, 345, 65-72.	0.9	22
45	Ruthenium complexes of 3-hydroxy-4-pyranones and of 3-hydroxy-4-pyridinones. <i>Transition Metal Chemistry</i> , 2008, 33, 553-561.	0.7	2
46	Determination of Substrate/Ligand Binding Constants from Electromotive Force Measurements. <i>Journal of Solution Chemistry</i> , 2008, 37, 519-526.	0.6	4
47	Quenching of two conformers of the naphthalene derivative, nabumetone, in water. <i>Journal of Luminescence</i> , 2008, 128, 1241-1247.	1.5	3
48	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.	1.2	1
49	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.	1.2	4
50	Rigidity and/or Flexibility of Calixarenes. Effect of the p-Sulfonatocalix[n]arenes (n = 4, 6, and 8) on the Electron Transfer Process $[Ru(NH_3)_5pz]^{2+} + Co(C_2O_4)_3^{3-}$ . <i>Journal of Physical Chemistry B</i> , 2007, 111, 10697-10702.	1.2	6
51	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.	2.0	13
52	Estimation of the reorganization and reaction free energies for electron transfer processes from optical and thermal data. An application to the reaction $[Fe^{II}(CN)_5pzCo^{III}(NH_3)_5]^{2+}$ $[Fe^{III}(CN)_5pzCo^{II}(NH_3)_5]$ . <i>New Journal of Chemistry</i> , 2006, 30, 712-716.	1.4	0
53	Salt and Solvent Effects on the Kinetics of the Oxidation of the Excited State of the $[Ru(bpy)_3]^{2+}$ Complex by $S_2O_8^{2-}$ . <i>Journal of Physical Chemistry A</i> , 2006, 110, 4196-4201.	1.1	12
54	Salt and Solvent Effects on the Kinetics and Thermodynamics of the Inclusion of the Ruthenium Complex $[Ru(NH_3)_5(4,4\text{-bpy})]^{2+}$ in $\beta$ -Cyclodextrin. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12959-12963.	1.2	10

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55	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.	1.2	5
56	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.	1.2	14
57	Strength and Character of Peptide/Anion Interactions. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19676-19680.	1.2	5
58	Micellar effects on a ligand substitution reaction: Kinetics of the formation of $[\text{Fe}(\text{CN})_5(\frac{1}{4}\text{-pz})\text{Ru}(\text{NH}_3)_5]^{3+}$ , from $[\text{Fe}(\text{CN})_5\text{H}_2\text{O}]^{3+}$ and $[\text{Ru}(\text{NH}_3)_5\text{pz}]^{2+}$ , in the presence of anionic micelles. <i>International Journal of Chemical Kinetics</i> , 2004, 36, 627-633.	1.0	14
59	Effects of SB1.5G and SB4.5G dendrimers on the rate of the electron transfer reaction between $[\text{Ru}(\text{NH}_3)_5\text{pz}]^{2+}$ and $[\text{Co}(\text{C}_2\text{O}_4)_3]^{3-}$ . <i>Chemical Physics Letters</i> , 2004, 398, 82-86.	1.2	13
60	Kinetic Study of the Oxidation of $[\text{Ru}(\text{NH}_3)_5\text{pz}]^{2+}$ by $[\text{Co}(\text{C}_2\text{O}_4)_3]^{3-}$ in AOT/Water Microemulsions and in CTAC Micellar Solutions. <i>Langmuir</i> , 2004, 20, 1558-1563.	1.6	27
61	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.	1.1	20
62	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.	1.6	11
63	Comparative Study of Micellar and DNA Effects on the Reaction $[\text{Ru}(\text{NH}_3)_5\text{py}]^{2+} + \text{S}_2\text{O}_8^{2-}$ . <i>Langmuir</i> , 2003, 19, 3185-3189.	1.6	17
64	Use of the Pseudophase Model in the Interpretation of Reactivity under Restricted Geometry Conditions. An Application to the Study of the $[\text{Ru}(\text{NH}_3)_5\text{pz}]^{2+} + \text{S}_2\text{O}_8^{2-}$ Electron-Transfer Reaction in Different Microheterogeneous Systems. <i>Journal of the American Chemical Society</i> , 2002, 124, 5154-5164.	6.6	70
65	Kinetic study of the reaction $[\text{Ru}(\text{bpy})_3]^{2+} + \text{S}_2\text{O}_8^{2-}$ in solutions of Brij-35 at premicellar and micellar concentrations. <i>Chemical Physics Letters</i> , 2002, 352, 33-38.	1.2	30
66	Title is missing!. <i>Transition Metal Chemistry</i> , 2002, 27, 127-133.	0.7	2
67	Micellar Effects on the Kinetics of the Oxidation of the Excited State of the $[\text{Ru}(\text{bpy})_3]^{2+}$ Complex by $\text{S}_2\text{O}_8^{2-}$ . A Comparison of Different Approaches for the Interpretation of Micellar Effects on Kinetics. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10523-10527.	1.2	30
68	Photoinduced electron transfer in non-aqueous microemulsions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 142, 151-161.	2.0	19
69	Electron Transfer Reactions in Micellar Systems. <i>Progress in Reaction Kinetics and Mechanism</i> , 2000, 25, 371-407.	1.1	23
70	Title is missing!. <i>Transition Metal Chemistry</i> , 2000, 25, 674-679.	0.7	2
71	Influence of the Micellar Electric Field on Electron-Transfer Processes (II): A Study of the $[\text{Ru}(\text{NH}_3)_5\text{pz}]^{2+} + [\text{Co}(\text{C}_2\text{O}_4)_3]^{3-}$ Reaction in SDS Micellar Solution Containing NaCl. <i>Langmuir</i> , 2000, 16, 7986-7990.	1.6	14
72	Kinetic study of the electron transfer process between $[\text{Ru}(\text{NH}_3)_5\text{pz}]^{2+}$ and $\text{S}_2\text{O}_8^{2-}$ in water-cosolvent mixtures: a new component of reorganization energy. <i>Chemical Physics</i> , 1999, 243, 159-168.	0.9	12

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73	Estimation of electron transfer rate constants by static (optical and electrochemical) measurements. <i>Chemical Physics</i> , 1999, 250, 321-334.	0.9	12
74	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.	1.0	7
75	Luminescence of Zinc Tetraphenylporphyrin in Ethylene Glycol-in-Oil Microemulsions. <i>Langmuir</i> , 1998, 14, 2042-2049.	1.6	39
76	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
77	Dynamic Light Scattering Study of AOT Microemulsions with Nonaqueous Polar Additives in an Oil Continuous Phase. <i>Langmuir</i> , 1998, 14, 3531-3537.	1.6	75
78	A study of the electron-transfer reaction between $Fe(CN)_2(bpy)_2$ and $S_2O_8^{2-}$ in solvent mixtures: the translational component of solvent reorganization. <i>New Journal of Chemistry</i> , 1998, 22, 39-44.	1.4	8
79	Effect of surfactant addition on the kinetics of the reaction $Fe(bpy)_3^{2+} + S_2O_8^{2-}$ . <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 2181-2184.	1.7	14
80	Micellar, Microemulsion, and Salt Kinetic Effects upon the Reaction $Fe(CN)_2(bpy)_2 + S_2O_8^{2-}$ . <i>Langmuir</i> , 1997, 13, 3084-3089.	1.6	36
81	Study of the Reactions $I^- + IrCl_6^{2-}$ and $Fe(CN)_6^{4-} + S_2O_8^{2-}$ in Micellar Solutions. <i>Langmuir</i> , 1997, 13, 187-191.	1.6	21
82	Use of the Brønsted Equation in the Interpretation of Micellar Effects in Kinetics. <i>Langmuir</i> , 1996, 12, 4981-4986.	1.6	48
83	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
84	Solvent effects on the $Co(NH_3)_4(pzCO_2)_2^{2+} + Fe(CN)_6^{4-}$ reaction. An interpretation based on spectroscopic data. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 1155-1162.	1.7	14
85	Specific interactions in reversed micelles: Oxidation of $Fe(bpy)_3^{2+}$ by $S_2O_8^{2-}$ in AOT-oil-water microemulsions. <i>International Journal of Chemical Kinetics</i> , 1995, 27, 525-534.	1.0	7
86	Ionic strength effects in binary aqueous mixtures: Study of the reaction between $Co(en)_2(2-pzCO_2)_2^{2+}$ and $Fe(CN)_5H_2O_3^{3-}$ . <i>International Journal of Chemical Kinetics</i> , 1995, 27, 807-815.	1.0	7
87	Oxidation of $Fe(CN)_4(bpy)_2^-$ by $S_2O_8^{2-}$ in AOT-Oil-Water Microemulsions. <i>Journal of Colloid and Interface Science</i> , 1994, 166, 503-505.	5.0	7
88	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.	5.0	6
89	Oxidation of $Fe(CN)_4^{6-}$ by $S_2O_8^{2-}$ in AOT-oil-water microemulsions. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992, 88, 2701-2704.	1.7	29
90	Kinetic salt effects on the outer sphere electron transfer reaction between hexacyanoferrate(II) and 4-pyridinecarboxylatopentamine cobalt(III). <i>International Journal of Chemical Kinetics</i> , 1992, 24, 1083-1091.	1.0	2

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91	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