

# Laurent Leclercq

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65

papers

916

citations

18

h-index

26

g-index

73

ext. papers

1,063

ext. citations

4.8

avg, IF

4.28

L-index

#	Paper	IF	Citations
65	Multilayered textile coating based on a Cyclodextrin polyelectrolyte for the controlled release of drugs. <i>Carbohydrate Polymers</i> , <b>2013</b> , 93, 718-30	10.3	52
64	Polyelectrolyte complex formation and stability when mixing polyanions and polycations in salted media: a model study related to the case of body fluids. <i>European Journal of Pharmaceutical Sciences</i> , <b>2005</b> , 25, 281-8	5.1	50
63	A physico-chemical approach of polyanion-polycation interactions aimed at better understanding the in vivo behaviour of polyelectrolyte-based drug delivery and gene transfection. <i>Journal of Drug Targeting</i> , <b>2003</b> , 11, 129-38	5.4	41
62	Study of interactions between oppositely charged dendrigraft poly-L-lysine and human serum albumin by continuous frontal analysis capillary electrophoresis and fluorescence spectroscopy. <i>Journal of Chromatography A</i> , <b>2013</b> , 1289, 127-32	4.5	38
61	Effect of Molecular Weight on the Phase Diagram and Thermal Properties of Poly(styrene)/8CB Mixtures. <i>Macromolecules</i> , <b>2000</b> , 33, 960-967	5.5	38
60	Polyelectrolyte multilayer coatings for the separation of proteins by capillary electrophoresis: Influence of polyelectrolyte nature and multilayer crosslinking. <i>Journal of Chromatography A</i> , <b>2015</b> , 1399, 80-7	4.5	37
59	Correlation of length of linear oligo(ethan amino) amides with gene transfer and cytotoxicity. <i>ChemMedChem</i> , <b>2014</b> , 9, 2104-10	3.7	32
58	Synthesis and characterization of polyampholytic aryl-sulfonated chitosans and their in vitro anticoagulant activity. <i>Carbohydrate Polymers</i> , <b>2018</b> , 196, 8-17	10.3	29
57	Limits in Size of Taylor Dispersion Analysis: Representation of the Different Hydrodynamic Regimes and Application to the Size-Characterization of Cubosomes. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 13487-13493	7.8	27
56	Prediction of Polyelectrolyte Complex Stoichiometry for Highly Hydrophilic Polyelectrolytes. <i>Macromolecules</i> , <b>2016</b> , 49, 3881-3888	5.5	26
55	Interactions between Oppositely Charged Polyelectrolytes by Isothermal Titration Calorimetry: Effect of Ionic Strength and Charge Density. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 2684-2694	3.4	25
54	Cationic Cyclodextrin polymer applied to a dual cyclodextrin polyelectrolyte multilayer system. <i>Carbohydrate Polymers</i> , <b>2015</b> , 126, 156-67	10.3	25
53	Sustained in vitro release and cell uptake of doxorubicin adsorbed onto gold nanoparticles and covered by a polyelectrolyte complex layer. <i>International Journal of Pharmaceutics</i> , <b>2012</b> , 438, 45-52	6.5	25
52	Study of Interpolymer Complexes of Oppositely Charged Macromolecules with Different Affinity to Solvent. <i>Macromolecules</i> , <b>2007</b> , 40, 5934-5940	5.5	25
51	Modulation of the electroosmotic mobility using polyelectrolyte multilayer coatings for protein analysis by capillary electrophoresis. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1057, 152-161	6.6	23
50	Layer-by-layer coating of textile with two oppositely charged cyclodextrin polyelectrolytes for extended drug delivery. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2016</b> , 104, 1408-24	5.4	21
49	Build-up of an antimicrobial multilayer coating on a textile support based on a methylene blue-poly(cyclodextrin) complex. <i>Biomedical Materials (Bristol)</i> , <b>2013</b> , 8, 065006	3.5	19

48	Phase equilibrium of poly(n-butyl acrylate) and E7. <i>Liquid Crystals</i> , <b>2000</b> , 27, 413-420	2.3	19
47	Light scattering from acrylate-based polymer dispersed liquid crystals: theoretical considerations and experimental examples. <i>Liquid Crystals</i> , <b>1999</b> , 26, 415-425	2.3	16
46	Effect of dendrimer generation on the interactions between human serum albumin and dendrigraft polylysines. <i>Langmuir</i> , <b>2014</b> , 30, 4450-7	4	15
45	Investigating the Influence of Phosphate Ions on Poly(L-lysine) Conformations by Taylor Dispersion Analysis. <i>Macromolecules</i> , <b>2014</b> , 47, 5320-5327	5.5	14
44	Adsorption of proteins at physiological concentrations on pegylated surfaces and the compatibilizing role of adsorbed albumin with respect to other proteins according to optical waveguide lightmode spectroscopy (OWLS). <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2013</b> , 24, 1499-518	3.5	14
43	Fast characterization of polyelectrolyte complexes by inline coupling of capillary electrophoresis to Taylor dispersion analysis. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 1740-3	7.8	14
42	Salt Effects on Complexes of Oppositely Charged Macromolecules Having Different Affinity to Water. <i>Macromolecules</i> , <b>2009</b> , 42, 7495-7503	5.5	14
41	Degradability of poly(L-lysine) and poly(DL-aminoserinate) complexed with a polyanion under conditions modelling physico-chemical characteristics of body fluids. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 350, 459-64	9.3	14
40	Influence of the ionic strength of acidic background electrolytes on the separation of proteins by capillary electrophoresis. <i>Journal of Chromatography A</i> , <b>2016</b> , 1432, 145-51	4.5	13
39	Solubilization of water-insoluble drugs due to random amphiphilic and degradable poly(dimethylmalic acid) derivatives. <i>Biomacromolecules</i> , <b>2013</b> , 14, 1936-44	6.9	13
38	Fast Characterization of Polyplexes by Taylor Dispersion Analysis. <i>Macromolecules</i> , <b>2015</b> , 48, 7216-7221	5.5	11
37	Quantification of Adsorption and Optimization of Separation of Proteins in Capillary Electrophoresis. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 10743-10750	7.8	11
36	Structure-Properties Relationship in the Evaluation of Alginate Chitosan Nanoparticles for Drug Delivery. <i>AAPS PharmSciTech</i> , <b>2020</b> , 21, 94	3.9	11
35	Modelling and predicting the interactions between oppositely and variously charged polyelectrolytes by frontal analysis continuous capillary electrophoresis. <i>Soft Matter</i> , <b>2016</b> , 12, 9728-9737 <sup>3,6</sup>	3.6	11
34	Experimental and Theoretical Studies of Polyanion-Polycation Complexation in Salted Media in the Context of Nonviral Gene Transfection. <i>Macromolecules</i> , <b>2014</b> , 47, 3574-3581	5.5	10
33	The Effect of Molar Mass and Charge Density on the Formation of Complexes between Oppositely Charged Polyelectrolytes. <i>Polymers</i> , <b>2017</b> , 9,	4.5	10
32	Release of Polyanions from Polyelectrolyte Complexes by Selective Degradation of the Polycation. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2006</b> , 21, 89-105	2	10
31	Selective Laser Sintering of Solid Oral Dosage Forms with Copovidone and Paracetamol Using a CO Laser. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	10

30	Advanced portrayal of SMIL coating by allying CZE performance with in-capillary topographic and charge-related surface characterization. <i>Analytica Chimica Acta</i> , <b>2017</b> , 951, 1-15	6.6	8
29	Conformation of water soluble copolymers of methacrylic acid and benzyl methacrylate. <i>European Polymer Journal</i> , <b>1999</b> , 35, 185-193	5.2	8
28	Capillary Zone Electrophoresis-Top-Down Tandem Mass Spectrometry for In-Depth Characterization of Hemoglobin Proteoforms in Clinical and Veterinary Samples. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 10531-10539	7.8	8
27	Salt effects on macrophase separations in non-stoichiometric mixtures of oppositely charged macromolecules: Theory and experiment. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2016</b> , 54, 1717-1730	2.6	7
26	Mapping molecular adhesion sites inside SMIL coated capillaries using atomic force microscopy recognition imaging. <i>Analytica Chimica Acta</i> , <b>2016</b> , 930, 39-48	6.6	7
25	Optimizing Water-Based Extraction of Bioactive Principles of Hawthorn: From Experimental Laboratory Research to Homemade Preparations. <i>Molecules</i> , <b>2019</b> , 24,	4.8	7
24	Superhydrophobic capillary coatings: Elaboration, characterization and application to electrophoretic separations. <i>Journal of Chromatography A</i> , <b>2019</b> , 1603, 361-370	4.5	6
23	Supramolecular Self-Assembly of DNA with a Cationic Polythiophene: From Polyplexes to Fibers. <i>ChemNanoMat</i> , <b>2019</b> , 5, 703-709	3.5	6
22	Effect of Dendrigrft Generation on the Interaction between Anionic Polyelectrolytes and Dendrigrft Poly(l-Lysine). <i>Polymers</i> , <b>2018</b> , 10,	4.5	6
21	Size-Based Characterization of Polysaccharides by Taylor Dispersion Analysis with Photochemical Oxidation or Backscattering Interferometry Detections. <i>Macromolecules</i> , <b>2019</b> , 52, 4421-4431	5.5	5
20	Water-Based Extraction of Bioactive Principles from Blackcurrant Leaves and : A Comparative Study. <i>Foods</i> , <b>2020</b> , 9,	4.9	5
19	Study of Interactions between Antigens and Polymeric Adjuvants in Vaccines by Frontal Analysis Continuous Capillary Electrophoresis. <i>Biomacromolecules</i> , <b>2020</b> , 21, 3364-3373	6.9	4
18	Comparison between protein repulsions by diblock PLA-PEO and albumin nanocoatings using OWLS. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2017</b> , 28, 177-193	3.5	4
17	Characterization of ultrahigh molar mass polyelectrolytes by capillary electrophoresis. <i>Journal of Chromatography A</i> , <b>2020</b> , 1631, 461536	4.5	3
16	What is the Contribution of Counter-Ions to the Absolute Molar Mass of Polyelectrolytes Determined by SEC-MALLS?. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 2654-2659	2.6	3
15	Chemoprevention with a tea from hawthorn () leaves and flowers attenuates colitis in rats by reducing inflammation and oxidative stress. <i>Food Chemistry: X</i> , <b>2021</b> , 12, 100139	4.7	3
14	Characterization of Diblock Copolymers by Capillary Electrophoresis: From Electrophoretic Mobility Distribution to Distribution of Composition. <i>Macromolecules</i> , <b>2020</b> , 53, 334-345	5.5	3
13	Screening for pancreatic lipase natural modulators by capillary electrophoresis hyphenated to spectrophotometric and conductometric dual detection. <i>Analyst, The</i> , <b>2021</b> , 146, 1386-1401	5	3

12	Roles of hydrophobicity and charge density on the dynamics of polyelectrolyte complex formation and stability under modeled physicochemical blood conditions. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2012</b> , 27, 161-173	2	2
11	Polyelectrolyte Multilayers in Capillary Electrophoresis.. <i>ChemPlusChem</i> , <b>2022</b> , 87, e202200028	2.8	2
10	Determination of polymer log D distributions by micellar and microemulsion electrokinetic chromatography. <i>Journal of Chromatography A</i> , <b>2013</b> , 1318, 244-50	4.5	1
9	Polymer Degradation as a Tool To Study Polyelectrolyte Complex Formation and Stability. <i>ACS Symposium Series</i> , <b>2012</b> , 59-72	0.4	1
8	Controlled release of encapsulated methylene blue in a multilayered textile coating. <i>MATEC Web of Conferences</i> , <b>2013</b> , 7, 04012	0.3	1
7	On the Miscibility of Crosslinked Networks and Solvents with and without Nematic Order. <i>Molecular Crystals and Liquid Crystals</i> , <b>1999</b> , 330, 465-473		1
6	Antigen-Adjuvant Interactions in Vaccines by Taylor Dispersion Analysis: Size Characterization and Binding Parameters. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 6508-6515	7.8	1
5	Separation of three strains of polio virus by capillary zone electrophoresis and study of their interaction with aluminum oxyhydroxide.. <i>Journal of Chromatography A</i> , <b>2022</b> , 1667, 462838	4.5	0
4	Polarized Light Scattering and Off-State Transmission of Electron-Beam Cured Polymer Dispersed Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , <b>2002</b> , 375, 321-328	0.5	
3	Electrophoretic Approaches for Log P Determination of Small Molecules and Polymers <b>2016</b> , 1-25		
2	Thermophysical and Structural Properties of Polymer/Liquid Crystal Systems Using Polysiloxanes <b>2016</b> , 1-18		
1	Determination of ultrahigh molar mass of polyelectrolytes by Taylor dispersion analysis.. <i>Journal of Chromatography A</i> , <b>2022</b> , 1670, 462949	4.5	