

# Elise Rotureau

## List of Publications by Year in descending order

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34  
papers

567  
citations

623188

14  
h-index

642321

23  
g-index

35  
all docs

35  
docs citations

35  
times ranked

425  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the evaluation of the intrinsic stability of indium-nanoparticulate organic matter complexes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 645, 128859.	2.3	4
2	Addressing the electrostatic component of protons binding to aquatic nanoparticles beyond the Non-Ideal Competitive Adsorption (NICA)-Donnan level: Theory and application to analysis of proton titration data for humic matter. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 642-651.	5.0	16
3	Electroanalytical metal sensor with built-in oxygen filter. <i>Analytica Chimica Acta</i> , 2021, 1167, 338544.	2.6	5
4	Developing On-Site Trace Level Speciation of Lead, Cadmium and Zinc by Stripping Chronopotentiometry (SCP): Fast Screening and Quantification of Total Metal Concentrations. <i>Molecules</i> , 2021, 26, 5502.	1.7	3
5	AGNES in irreversible systems: The indium case. <i>Journal of Electroanalytical Chemistry</i> , 2021, 901, 115750.	1.9	2
6	Full wave analysis of stripping chronopotentiometry at scanned deposition potential (SSCP): Obtaining binding curves in labile heterogeneous macromolecular systems for any metal-to-ligand ratio. <i>Journal of Electroanalytical Chemistry</i> , 2020, 873, 114436.	1.9	7
7	Investigating the Binding Heterogeneity of Trace Metal Cations With SiO <sub>2</sub> Nanoparticles Using Full Wave Analysis of Stripping Chronopotentiometry at Scanned Deposition Potential. <i>Frontiers in Chemistry</i> , 2020, 8, 614574.	1.8	4
8	Towards improving the electroanalytical speciation analysis of indium. <i>Analytica Chimica Acta</i> , 2019, 1052, 57-64.	2.6	13
9	What do luminescent bacterial metal-sensors probe? Insights from confrontation between experiments and flux-based theory. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 482-491.	4.0	14
10	ESPECIAÇÃO DINÂMICA DE METAIS TRÁÇOS EM AMBIENTE AQUÁTICO USANDO CRONOPOTENCIOMETRIA DE REDISSOLUÇÃO ANÓDICA. <i>Quimica Nova</i> , 2018, , .	0.3	0
11	Impact of intracellular metallothionein on metal biouptake and partitioning dynamics at bacterial interfaces. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29114-29124.	1.3	9
12	Kinetic and thermodynamic determinants of trace metal partitioning at biointerphases: the role of intracellular speciation dynamics. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 30415-30435.	1.3	12
13	Structural effects of soft nanoparticulate ligands on trace metal complexation thermodynamics. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31711-31724.	1.3	7
14	Structure of Multiresponsive Brush-Decorated Nanoparticles: A Combined Electrokinetic, DLS, and SANS Study. <i>Langmuir</i> , 2015, 31, 4779-4790.	1.6	31
15	Addressing temperature effects on metal chemodynamics studies using stripping electroanalytical techniques. Part 1: Lability of small complexes. <i>Journal of Electroanalytical Chemistry</i> , 2015, 752, 68-74.	1.9	3
16	Evaluation of Metal Biouptake from the Analysis of Bulk Metal Depletion Kinetics at Various Cell Concentrations: Theory and Application. <i>Environmental Science &amp; Technology</i> , 2015, 49, 990-998.	4.6	11
17	Analysis of metal speciation dynamics in clay minerals dispersion by stripping chronopotentiometry techniques. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 291-297.	2.3	18
18	Dynamics of metal uptake by charged soft biointerphases: impacts of depletion, internalisation, adsorption and excretion. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7401-7416.	1.3	17

#	ARTICLE	IF	CITATIONS
19	Impact of metallic ions on electrohydrodynamics of soft colloidal polysaccharides. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 435, 16-21.	2.3	6
20	Light-Responsiveness of C12E6/Polymer Complexes Swollen with Dodecane. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13294-13303.	1.2	1
21	Kinetic Features of Metal Complexes with Polysaccharide Colloids: Impact of Ionic Strength. <i>Journal of Physical Chemistry A</i> , 2009, 113, 12879-12884.	1.1	5
22	Application of amphiphilic polysaccharides as stabilizers in direct and inverse free-radical miniemulsion polymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 331, 84-90.	2.3	22
23	Kinetics of Metal Ion Binding by Polysaccharide Colloids. <i>Journal of Physical Chemistry A</i> , 2008, 112, 7177-7184.	1.1	10
24	Relationship between Swelling and the Electrohydrodynamic Properties of Functionalized Carboxymethyl-dextran Macromolecules. <i>Langmuir</i> , 2007, 23, 8460-8473.	1.6	23
25	From polymeric surfactants to colloidal systems (3): Neutral and anionic polymeric surfactants derived from dextran. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 301, 229-238.	2.3	19
26	From polymeric surfactants to colloidal systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 308, 25-32.	2.3	23
27	Viscosity of aqueous solutions of polysaccharides and hydrophobically modified polysaccharides: Application of Fedors equation. <i>European Polymer Journal</i> , 2006, 42, 1086-1092.	2.6	41
28	From polymeric surfactants to colloidal systems (1): Amphiphilic dextrans for emulsion preparation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 288, 131-137.	2.3	37
29	From polymeric surfactants to colloidal systems (2): Preparation of colloidal dispersions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 288, 62-70.	2.3	33
30	Neutral Polymeric Surfactants Derived from Dextran: A Study of Their Aqueous Solution Behavior. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 2038-2046.	1.1	39
31	Concentration Dependence of Aqueous Solution Viscosities of Amphiphilic Polymers. <i>Macromolecules</i> , 2005, 38, 4940-4941.	2.2	13
32	Amphiphilic derivatives of dextran: Adsorption at air/water and oil/water interfaces. <i>Journal of Colloid and Interface Science</i> , 2004, 279, 68-77.	5.0	42
33	Emulsifying properties of neutral and ionic polymer surfactants based on dextran. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 1430-1438.	1.3	19
34	Amphiphilic Polysaccharides: Useful Tools for the Preparation of Nanoparticles with Controlled Surface Characteristics. <i>Langmuir</i> , 2004, 20, 6956-6963.	1.6	56