

# Nicolas Fatin-Rouge

## List of Publications by Year in descending order

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23  
papers

1,168  
citations

567281

15  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1694  
citing authors

#	ARTICLE	IF	CITATIONS
1	Size Effects on Diffusion Processes within Agarose Gels. <i>Biophysical Journal</i> , 2004, 86, 2710-2719.	0.5	205
2	Diffusion and Partitioning of Solutes in Agarose Hydrogels: The Relative Influence of Electrostatic and Specific Interactions. <i>Journal of Physical Chemistry B</i> , 2003, 107, 12126-12137.	2.6	175
3	Size and pH effect on electrical and conformational behavior of poly(acrylic acid): Simulation and experiment. <i>European Polymer Journal</i> , 2006, 42, 1135-1144.	5.4	147
4	Self-Assembly of Tricuprous Double Helicates: Thermodynamics, Kinetics, and Mechanism. <i>Helvetica Chimica Acta</i> , 2001, 84, 1694-1711.	1.6	75
5	Removal of some divalent cations from water by membrane-filtration assisted with alginate. <i>Water Research</i> , 2006, 40, 1303-1309.	11.3	70
6	Lanthanide Podates with Programmed Intermolecular Interactions: Luminescence Enhancement through Association with Cyclodextrins and Unusually Large Relaxivity of the Gadolinium Self-Aggregates. <i>Journal of the American Chemical Society</i> , 2000, 122, 10810-10820.	13.7	64
7	Identification of dielectric effects in nanofiltration of metallic salts. <i>Journal of Membrane Science</i> , 2007, 287, 102-110.	8.2	60
8	Retention of Cu(II) and Ni(II) polyaminocarboxylate complexes by ultrafiltration assisted with polyamines. <i>Desalination</i> , 2010, 258, 87-92.	8.2	54
9	Self-Assembly of a Diferrous Triple-Stranded Helicate with Bis(2,2'-Bipyridine) Ligands: Thermodynamic and Kinetic Intermediates. <i>Inorganic Chemistry</i> , 2000, 39, 5771-5778.	4.0	46
10	Combining Small Angle Neutron Scattering (SANS) and Fluorescence Correlation Spectroscopy (FCS) Measurements To Relate Diffusion in Agarose Gels to Structure. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20133-20142.	2.6	46
11	PAH contaminated soil remediation by reusing an aqueous solution of cyclodextrins. <i>Chemosphere</i> , 2009, 75, 714-718.	8.2	45
12	Tangential streaming potential as a tool in modeling of ion transport through nanoporous membranes. <i>Journal of Colloid and Interface Science</i> , 2007, 309, 245-252.	9.4	44
13	Local and Average Diffusion of Nanosolutes in Agarose Gel: The Effect of the Gel/Solution Interface Structure. <i>Langmuir</i> , 2007, 23, 2083-2090.	3.5	38
14	A p-tert-butylcalix[6]arene bearing phosphinoyl pendant arms for the complexation and sensitisation of lanthanide ions. <i>Dalton Transactions RSC</i> , 2002, , 4505.	2.3	25
15	Enhanced imaging properties of a GdIII complex with unusually large relaxivity. <i>Journal of Alloys and Compounds</i> , 2004, 374, 298-302.	5.5	18
16	Extraction of heavy metals from a contaminated soil by reusing chelating agent solutions. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 363-368.	6.7	13
17	Treatment of heavy petroleum hydrocarbons polluted soil leachates by ultrafiltration and oxidation for surfactant recovery. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 2568-2576.	6.7	11
18	Factors affecting the flux of macromolecular, labile, metal complexes at consuming interfaces, in water and inside agarose gel: SSCP study and environmental implications. <i>Journal of Electroanalytical Chemistry</i> , 2006, 595, 125-135.	3.8	9

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19	Lanthanide Chelates Based on Diethylenetriamine Fitted with O-Benzoic Acid Pendant Arms. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 1332-1339.	2.0	8
20	Reusing chelating agents to wash metal-contaminated soils. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 448-452.	6.7	6
21	Retention of single and mixed inorganic electrolytes by a polyamide nanofiltration membrane. <i>Desalination</i> , 2006, 200, 133-134.	8.2	4
22	Assessing natural clays of a contaminated site to stabilize and reduce the ecotoxicity of a coal tar. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110081.	6.0	4
23	Contaminant Mobilization from Polluted Soils: Behavior and Reuse of Leaching Solutions. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2020, , 1-59.	0.5	1