

# Fabrice Audonnet

## List of Publications by Citations

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39  
papers

954  
citations

18  
h-index

30  
g-index

41  
ext. papers

1,056  
ext. citations

4.6  
avg, IF

4.02  
L-index

#	Paper	IF	Citations
39	Palladium Nanowires Synthesized in Hexagonal Mesophases: Application in Ethanol Electrooxidation. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 1612-1617	9.6	132
38	Viscosity and density of mixtures of methane and n-decane from 298 to 393 K and up to 75 MPa. <i>Fluid Phase Equilibria</i> , <b>2004</b> , 216, 235-244	2.5	67
37	Synthesis of Porous Platinum Nanoballs in Soft Templates. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 5045-5048	9.6	62
36	Adsorption and structure of benzene on silica surfaces and in nanopores. <i>Langmuir</i> , <b>2009</b> , 25, 10648-59	4	59
35	Harvesting of microalgae <i>Chlorella vulgaris</i> using electro-coagulation-flocculation in the batch mode. <i>Algal Research</i> , <b>2017</b> , 25, 1-11	5	58
34	Investigation into the catalytic activity of porous platinum nanostructures. <i>Langmuir</i> , <b>2013</b> , 29, 11431-9	4	56
33	Simultaneous measurement of density and viscosity of n-pentane from 298 to 383 K and up to 100 MPa using a vibrating-wire instrument. <i>Fluid Phase Equilibria</i> , <b>2001</b> , 181, 147-161	2.5	51
32	Adsorption, structure and dynamics of benzene in ordered and disordered porous carbons. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 3748-57	3.6	49
31	A thermodynamic limit of the melting/freezing processes of water under strongly hydrophobic nanoscopic confinement. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 1440-3	3.6	49
30	SBA-15 synthesis: Are there lasting effects of temperature change within the first 10min of TEOS polymerization?. <i>Materials Chemistry and Physics</i> , <b>2008</b> , 108, 73-81	4.4	44
29	Palladium Nanoballs Synthesized in Hexagonal Mesophases. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 10740-10744	3.8	42
28	Tuning the Porosity of Bimetallic Nanostructures by a Soft Templating Approach. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 4900-4908	15.6	30
27	The key to control Cu II loading in silica based mesoporous materials. <i>Microporous and Mesoporous Materials</i> , <b>2010</b> , 132, 518-525	5.3	28
26	Density and Viscosity of Mixtures of n-Hexane and 1-Hexanol from 303 to 423 K up to 50 MPa. <i>International Journal of Thermophysics</i> , <b>2002</b> , 23, 1537-1550	2.1	22
25	The effect of origin of the gelatine and ageing on the secondary structure and water dissolution. <i>Food Hydrocolloids</i> , <b>2017</b> , 66, 378-388	10.6	21
24	COSMO-RS-PDHS: A new predictive model for aqueous electrolytes solutions. <i>Chemical Engineering Research and Design</i> , <b>2014</b> , 92, 2873-2883	5.5	21
23	Molecular simulation of the adsorption and structure of benzene confined in mesoporous silicas. <i>Adsorption</i> , <b>2007</b> , 13, 485-490	2.6	21

22	Wall thickness determination of hydrophobically functionalized MCM-41 materials. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 557-567		20
21	Palladium urchin-like nanostructures and their H <sub>2</sub> sorption properties. <i>Nanotechnology</i> , <b>2011</b> , 22, 305609-4		18
20	Physico-chemical, thermal, and mechanical approaches for the characterization of solubilized and solid state chitosans. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132,	2.9	14
19	REMOVAL OF CARBAMAZEPINE BY ELECTROCOAGULATION: INVESTIGATION OF SOME KEY OPERATIONAL PARAMETERS. <i>Environmental Engineering and Management Journal</i> , <b>2015</b> , 14, 639-645	0.6	11
18	Applied of central composite design for the optimization of removal yield of the ketoprofen (KTP) using electrocoagulation process. <i>Separation Science and Technology</i> , <b>2019</b> , 54, 3115-3127	2.5	11
17	From the capillary condensation to the glass transition of a confined molecular liquid: Case of toluene. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 407, 262-269	3.9	10
16	Preliminary purification of volatile fatty acids in a digestate from acidogenic fermentation by electrocoagulation. <i>Separation and Purification Technology</i> , <b>2017</b> , 184, 220-230	8.3	9
15	Assessment of denitrification using electrocoagulation process. <i>Canadian Journal of Chemical Engineering</i> , <b>2015</b> , 93, 241-248	2.3	9
14	Effects of acid-basic treatments of date stones on lead (II) adsorption. <i>Separation Science and Technology</i> , <b>2019</b> , 54, 1749-1763	2.5	9
13	Development of a thermodynamic model of aqueous solution suited for foods and biological media. Part A: Prediction of activity coefficients in aqueous mixtures containing electrolytes. <i>Canadian Journal of Chemical Engineering</i> , <b>2015</b> , 93, 443-450	2.3	8
12	Cotton textile waste valorization for removal of tetracycline and paracetamol alone and in mixtures from aqueous solutions: Effects of H <sub>2</sub> O <sub>2</sub> as an oxidizing agent. <i>Water Environment Research</i> , <b>2021</b> , 93, 464-478	2.8	6
11	Relationship between Color and Redox Potential (Eh) in Beef Meat Juice. Validation on Beef Meat. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 3164	2.6	4
10	Using linseed oil as flax fibre coating for fibre-reinforced cementitious composite. <i>Industrial Crops and Products</i> , <b>2021</b> , 161, 113168	5.9	4
9	Development of a thermodynamic model of aqueous solution suited for foods and biological media. Part B: Prediction of standard formation properties. <i>Canadian Journal of Chemical Engineering</i> , <b>2015</b> , 93, 465-470	2.3	2
8	Adsorption of Astrazon Orange G onto natural Moroccan phosphate rock: A mechanistic study. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 2556-2564	6.8	2
7	Method to create a hydrophilic environment within hydrophobic nanostructures. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 179, 17-21	5.3	1
6	Effects of Kraft lignin and corn cob agro-residue on the properties of injected-moulded biocomposites. <i>Industrial Crops and Products</i> , <b>2022</b> , 177, 114421	5.9	1
5	BASIC RED DYE REMOVAL BY COUPLING ELECTROCOAGULATION PROCESS WITH BIOLOGICAL TREATMENT. <i>Environmental Engineering and Management Journal</i> , <b>2019</b> , 18, 563-573	0.6	1

4	Towards a Better Understanding of the Removal of Carbamazepine by <i>Ankistrodesmus braunii</i> : Investigation of Some Key Parameters. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8034	2.6	1
3	Preparation and characterization of activated carbon developed from cotton cloth residue activated with phosphoric acid: adsorption of clofibric acid. <i>Water Science and Technology</i> , <b>2020</b> , 82, 2513-2524 <sup>2,2</sup> ○		
2	Copper and Nickel Nanoparticles Prepared by Thermal Treatment of Their Respective Cations Confined in Nanopores through High-Pressure Synthesis. <i>Applied Nano</i> , <b>2021</b> , 2, 278-288	1	0
1	Metallic Nanoparticles: Tuning the Porosity of Bimetallic Nanostructures by a Soft Templating Approach (Adv. Funct. Mater. 23/2012). <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 4899-4899	15.6	