

# Fabrice Audonnet

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,160  
citations

393982

19  
h-index

377514

34  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1614  
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium Nanowires Synthesized in Hexagonal Mesophases: Application in Ethanol Electrooxidation. <i>Chemistry of Materials</i> , 2009, 21, 1612-1617.	3.2	144
2	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> , 2004, 216, 235-244.	1.4	80
3	Harvesting of microalgae <i>Chlorella vulgaris</i> using electro-coagulation-flocculation in the batch mode. <i>Algal Research</i> , 2017, 25, 1-11.	2.4	80
4	Synthesis of Porous Platinum Nanoballs in Soft Templates. <i>Chemistry of Materials</i> , 2007, 19, 5045-5048.	3.2	69
5	Adsorption and Structure of Benzene on Silica Surfaces and in Nanopores. <i>Langmuir</i> , 2009, 25, 10648-10659.	1.6	69
6	Investigation into the Catalytic Activity of Porous Platinum Nanostructures. <i>Langmuir</i> , 2013, 29, 11431-11439.	1.6	63
7	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> , 2001, 181, 147-161.	1.4	61
8	A thermodynamic limit of the melting/freezing processes of water under strongly hydrophobic nanoscopic confinement. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1440-1443.	1.3	57
9	Adsorption, structure and dynamics of benzene in ordered and disordered porous carbons. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3748-3757.	1.3	55
10	SBA-15 synthesis: Are there lasting effects of temperature change within the first 10min of TEOS polymerization?. <i>Materials Chemistry and Physics</i> , 2008, 108, 73-81.	2.0	47
11	Palladium Nanoballs Synthesized in Hexagonal Mesophases. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10740-10744.	1.5	44
12	Tuning the Porosity of Bimetallic Nanostructures by a Soft Templating Approach. <i>Advanced Functional Materials</i> , 2012, 22, 4900-4908.	7.8	33
13	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> , 2002, 23, 1537-1550.	1.0	29
14	The effect of origin of the gelatine and ageing on the secondary structure and water dissolution. <i>Food Hydrocolloids</i> , 2017, 66, 378-388.	5.6	29
15	The key to control Cu II loading in silica based mesoporous materials. <i>Microporous and Mesoporous Materials</i> , 2010, 132, 518-525.	2.2	28
16	Molecular simulation of the adsorption and structure of benzene confined in mesoporous silicas. <i>Adsorption</i> , 2007, 13, 485-490.	1.4	24
17	COSMO-RS-PDHS: A new predictive model for aqueous electrolytes solutions. <i>Chemical Engineering Research and Design</i> , 2014, 92, 2873-2883.	2.7	24
18	Palladium urchin-like nanostructures and their H <sub>2</sub> sorption properties. <i>Nanotechnology</i> , 2011, 22, 305609.	1.3	21

#	ARTICLE	IF	CITATIONS
19	Wall thickness determination of hydrophobically functionalized MCM-41 materials. Journal of Materials Chemistry, 2012, 22, 557-567.	6.7	21
20	Physico-chemical, thermal, and mechanical approaches for the characterization of solubilized and solid state chitosans. Journal of Applied Polymer Science, 2015, 132, .	1.3	19
21	Applied of central composite design for the optimization of removal yield of the ketoprofen (KTP) using electrocoagulation process. Separation Science and Technology, 2019, 54, 3115-3127.	1.3	19
22	Effects of Kraft lignin and corn cob agro-residue on the properties of injected-moulded biocomposites. Industrial Crops and Products, 2022, 177, 114421.	2.5	17
23	Using linseed oil as flax fibre coating for fibre-reinforced cementitious composite. Industrial Crops and Products, 2021, 161, 113168.	2.5	14
24	Cotton textile waste valorization for removal of tetracycline and paracetamol alone and in mixtures from aqueous solutions: Effects of $H_2O_2$ as an oxidizing agent. Water Environment Research, 2021, 93, 464-478.	1.3	14
25	REMOVAL OF CARBAMAZEPINE BY ELECTROCOAGULATION: INVESTIGATION OF SOME KEY OPERATIONAL PARAMETERS. Environmental Engineering and Management Journal, 2015, 14, 639-645.	0.2	13
26	From the capillary condensation to the glass transition of a confined molecular liquid: Case of toluene. Journal of Non-Crystalline Solids, 2015, 407, 262-269.	1.5	11
27	Preliminary purification of volatile fatty acids in a digestate from acidogenic fermentation by electrocoagulation. Separation and Purification Technology, 2017, 184, 220-230.	3.9	11
28	Assessment of denitrification using electrocoagulation process. Canadian Journal of Chemical Engineering, 2015, 93, 241-248.	0.9	10
29	Effects of acid-basic treatments of date stones on lead (II) adsorption. Separation Science and Technology, 2019, 54, 1749-1763.	1.3	10
30	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. Canadian Journal of Chemical Engineering, 2015, 93, 443-450.	0.9	9
31	Adsorption of Astrazon Orange G onto natural Moroccan phosphate rock: A mechanistic study. Journal of Environmental Chemical Engineering, 2016, 4, 2556-2564.	3.3	8
32	Relationship between Color and Redox Potential (Eh) in Beef Meat Juice. Validation on Beef Meat. Applied Sciences (Switzerland), 2020, 10, 3164.	1.3	6
33	Predicting the Oxidative Degradation of Raw Beef Meat during Cold Storage Using Numerical Simulations and Sensors' Prospects for Meat and Fish Foods. Foods, 2022, 11, 1139.	1.9	6
34	Towards a Better Understanding of the Removal of Carbamazepine by Ankistrodesmus braunii: Investigation of Some Key Parameters. Applied Sciences (Switzerland), 2020, 10, 8034.	1.3	5
35	BASIC RED DYE REMOVAL BY COUPLING ELECTROCOAGULATION PROCESS WITH BIOLOGICAL TREATMENT. Environmental Engineering and Management Journal, 2019, 18, 563-573.	0.2	3
36	Development of a thermodynamic model of aqueous solution suited for foods and biological media. Part B: Prediction of standard formation properties. Canadian Journal of Chemical Engineering, 2015, 93, 465-470.	0.9	2

#	ARTICLE	IF	CITATIONS
37	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> , 2020, 82, 2513-2524.	1.2	2
38	Method to create a hydrophilic environment within hydrophobic nanostructures. <i>Microporous and Mesoporous Materials</i> , 2013, 179, 17-21.	2.2	1
39	Copper and Nickel Nanoparticles Prepared by Thermal Treatment of Their Respective Cations Confined in Nanopores through High-Pressure Synthesis. <i>Applied Nano</i> , 2021, 2, 278-288.	0.9	1
40	Elimination of whey proteins by electrocoagulation: investigation of some key operational parameters and modeling. , 0, 68, 143-152.		1
41	Metallic Nanoparticles: Tuning the Porosity of Bimetallic Nanostructures by a Soft Templating Approach ( <i>Adv. Funct. Mater.</i> 23/2012). <i>Advanced Functional Materials</i> , 2012, 22, 4899-4899.	7.8	0