Fabrice Audonnet

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Palladium Nanowires Synthesized in Hexagonal Mesophases: Application in Ethanol Electrooxidation. Chemistry of Materials, 2009, 21, 1612-1617.	6.7	144
2	Viscosity and density of mixtures of methane and n-decane from 298 to 393 K and up to 75 MPa. Fluid Phase Equilibria, 2004, 216, 235-244.	2.5	80
3	Harvesting of microalgae Chlorella vulgaris using electro-coagulation-flocculation in the batch mode. Algal Research, 2017, 25, 1-11.	4.6	80
4	Synthesis of Porous Platinum Nanoballs in Soft Templates. Chemistry of Materials, 2007, 19, 5045-5048.	6.7	69
5	Adsorption and Structure of Benzene on Silica Surfaces and in Nanopores. Langmuir, 2009, 25, 10648-10659.	3.5	69
6	Investigation into the Catalytic Activity of Porous Platinum Nanostructures. Langmuir, 2013, 29, 11431-11439.	3.5	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. Fluid Phase Equilibria, 2001, 181, 147-161.	2.5	61
8	A thermodynamic limit of the melting/freezing processes of water under strongly hydrophobic nanoscopic confinement. Physical Chemistry Chemical Physics, 2010, 12, 1440-1443.	2.8	57
9	Adsorption, structure and dynamics of benzene in ordered and disordered porous carbons. Physical Chemistry Chemical Physics, 2011, 13, 3748-3757.	2.8	55
10	SBA-15 synthesis: Are there lasting effects of temperature change within the first 10min of TEOS polymerization?. Materials Chemistry and Physics, 2008, 108, 73-81.	4.0	47
11	Palladium Nanoballs Synthesized in Hexagonal Mesophases. Journal of Physical Chemistry C, 2008, 112, 10740-10744.	3.1	44
12	Tuning the Porosity of Bimetallic Nanostructures by a Soft Templating Approach. Advanced Functional Materials, 2012, 22, 4900-4908.	14.9	33
13	Density and Viscosity of Mixtures of n-Hexane and 1-Hexanol from 303 to 423 K up to 50 MPa. International Journal of Thermophysics, 2002, 23, 1537-1550.	2.1	29
14	The effect of origin of the gelatine and ageing on the secondary structure and water dissolution. Food Hydrocolloids, 2017, 66, 378-388.	10.7	29
15	The key to control Cu II loading in silica based mesoporous materials. Microporous and Mesoporous Materials, 2010, 132, 518-525.	4.4	28
16	Molecular simulation of the adsorption and structure of benzene confined in mesoporous silicas. Adsorption, 2007, 13, 485-490.	3.0	24
17	COSMO-RS-PDHS: A new predictive model for aqueous electrolytes solutions. Chemical Engineering Research and Design, 2014, 92, 2873-2883.	5.6	24
18	Palladium urchin-like nanostructures and their H ₂ sorption properties. Nanotechnology, 2011, 22, 305609.	2.6	21

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19	Wall thickness determination of hydrophobically functionalized MCM-41 materials. Journal of Materials Chemistry, 2012, 22, 557-567.	6.7	21
20	Physico hemical, thermal, and mechanical approaches for the characterization of solubilized and solid state chitosans. Journal of Applied Polymer Science, 2015, 132, .	2.6	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.	2.5	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.	5.2	17
23	Using linseed oil as flax fibre coating for fibre-reinforced cementitious composite. Industrial Crops and Products, 2021, 161, 113168.	5.2	14
24	Cotton textile waste valorization for removal of tetracycline and paracetamol alone and in mixtures from aqueous solutions: Effects of H ₃ PO ₄ as an oxidizing agent. Water Environment Research, 2021, 93, 464-478.	2.7	14
25	REMOVAL OF CARBAMAZEPINE BY ELECTROCOAGULATION: INVESTIGATION OF SOME KEY OPERATIONAL PARAMETERS. Environmental Engineering and Management Journal, 2015, 14, 639-645.	0.6	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.	3.1	11
27	Preliminary purification of volatile fatty acids in a digestate from acidogenic fermentation by electrocoagulation. Separation and Purification Technology, 2017, 184, 220-230.	7.9	11
28	Assessment of denitrification using electrocoagulation process. Canadian Journal of Chemical Engineering, 2015, 93, 241-248.	1.7	10
29	Effects of acid-basic treatments of date stones on lead (II) adsorption. Separation Science and Technology, 2019, 54, 1749-1763.	2.5	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.	1.7	9
31	Adsorption of Astrazon Orange G onto natural Moroccan phosphate rock: A mechanistic study. Journal of Environmental Chemical Engineering, 2016, 4, 2556-2564.	6.7	8
32	Relationship between Color and Redox Potential (Eh) in Beef Meat Juice. Validation on Beef Meat. Applied Sciences (Switzerland), 2020, 10, 3164.	2.5	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.	4.3	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.	2.5	5
35	BASIC RED DYE REMOVAL BY COUPLING ELECTROCOAGULATION PROCESS WITH BIOLOGICAL TREATMENT. Environmental Engineering and Management Journal, 2019, 18, 563-573.	0.6	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.	1.7	2

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37	Preparation and characterization of activated carbon developed from cotton cloth residue activated with phosphoric acid: adsorption of clofibric acid. Water Science and Technology, 2020, 82, 2513-2524.	2.5	2
38	Method to create a hydrophilic environment within hydrophobic nanostructures. Microporous and Mesoporous Materials, 2013, 179, 17-21.	4.4	1
39	Copper and Nickel Nanoparticles Prepared by Thermal Treatment of Their Respective Cations Confined in Nanopores through High-Pressure Synthesis. Applied Nano, 2021, 2, 278-288.	2.0	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 (Adv. Funct. Mater. 23/2012). Advanced Functional Materials, 2012, 22, 4899-4899.	14.9	0