Carine Julcour

List of Publications by Year in Descending Order

60 papers	1,331 citations	23 h-index	34 g-index
62 ext. papers	1,491 ext. citations	6 avg, IF	4.43 L-index

#	Paper	IF	Citations
60	Degradation mechanism of tributyl phosphate by UV/HO treatment and parameters optimization towards the design of a pilot reactor. *Environmental Technology (United Kingdom)*, **2021**, 42, 4247-4259	2.6	0
59	Sunflower oil hydrogenation mechanisms and kinetics. *Chemical Engineering Journal*, **2021**, 420, 129854	14.7	0
58	Definition and Exploration of the Integrated CO2 Mineralization Technological Cycle. *Frontiers in Energy Research*, **2020**, 8,	3.8	3
57	Accurate hydrogenated vegetable oil viscosity predictions for monolith reactor simulations. *Chemical Engineering Science*, **2020**, 214, 115388	4.4	3
56	Insights Into Nickel Slag Carbonation in a Stirred Bead Mill. *Frontiers in Chemical Engineering*, **2020**, 2,	1	1
55	Periodic reactor operation for parameter estimation in catalytic heterogeneous kinetics. Case study for ethylene adsorption on Ni/Al2O3. *Chemical Engineering Science*, **2020**, 214, 114544	4.4	2
54	Axial acoustic field along a solid-liquid fluidized bed under power ultrasound. *Ultrasonics Sonochemistry*, **2019**, 56, 274-283	8.9	5
53	Degradation of 2,4-dichlorophenoxyacetic acid by photolysis and photo-Fenton oxidation. *Journal of Environmental Chemical Engineering*, **2018**, 6, 874-882	6.8	24
52	Improvement of (transition metal-modified) activated carbon regeneration by HO-promoted catalytic wet air oxidation. *Environmental Technology (United Kingdom)*, **2018**, 39, 2761-2770	2.6	
51	Degradation of chlordecone and beta-hexachlorocyclohexane by photolysis, (photo-)fenton oxidation and ozonation. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2018**, 53, 121-125	2.2	17
50	Heterogeneous Fenton oxidation using Fe-ZSM5 catalyst for removal of ibuprofen in wastewater. *Journal of Environmental Chemical Engineering*, **2018**, 6, 5920-5928	6.8	43
49	Heterogeneous fenton and photo-fenton oxidation for paracetamol removal using iron containing ZSM-5 zeolite as catalyst. *AICHE Journal*, **2017**, 63, 669-679	3.6	32
48	Sonolysis and sono-Fenton oxidation for removal of ibuprofen in (waste)water. *Ultrasonics Sonochemistry*, **2017**, 39, 889-896	8.9	76
47	Hydrodynamic study of a monolith-type reactor for intensification of gas-liquid applications. *Chemical Engineering and Processing: Process Intensification*, **2017**, 122, 277-287	3.7	10
46	Towards a New Oxidation Process Using Ozone to Regenerate Coked Catalysts. *Ozone: Science and Engineering*, **2017**, 39, 366-373	2.4	4
45	Core-Cross-Linked Micelles and Amphiphilic Nanogels as Unimolecular Nanoreactors for Micellar-Type, Metal-Based Aqueous Biphasic Catalysis. *Fundamental and Applied Catalysis*, **2017**, 147-172	1	4
44	Core phosphine-functionalized amphiphilic nanogels as catalytic nanoreactors for aqueous biphasic hydroformylation. *Journal of Catalysis*, **2016**, 342, 164-172	7.3	23

43	Optimisation of sludge pretreatment by low frequency sonication under pressure. *Journal of Environmental Management*, **2016**, 165, 206-212	7.9	17
42	Effect of transition metal impregnation on oxidative regeneration of activated carbon by catalytic wet air oxidation. *Applied Catalysis B: Environmental*, **2016**, 187, 228-237	21.8	14
41	Modelling and simulations of a monolith reactor for three-phase hydrogenation reactions Rules and recommendations for mass transfer analysis. *Catalysis Today*, **2016**, 273, 121-130	5.3	10
40	One-Pot RAFT Synthesis of Triphenylphosphine-Functionalized Amphiphilic Core-Shell Polymers and Application as Catalytic Nanoreactors in Aqueous Biphasic Hydroformylation. *ACS Symposium Series*, **2015**, 203-220	0.4	9
39	Optimization of hydrostatic pressure at varied sonication conditions--power density, intensity, very low frequency--for isothermal ultrasonic sludge treatment. *Ultrasonics Sonochemistry*, **2015**, 25, 51-9	8.9	16
38	Development of an attrition-leaching hybrid process for direct aqueous mineral carbonation. *Chemical Engineering Journal*, **2015**, 262, 716-726	14.7	28
37	Amphiphilic core-cross-linked micelles functionalized with bis(4-methoxyphenyl)phenylphosphine as catalytic nanoreactors for biphasic hydroformylation. *Polymer*, **2015**, 72, 327-335	3.9	32
36	An executive review of sludge pretreatment by sonication. *Journal of Environmental Sciences*, **2015**, 37, 139-53	6.4	45
35	Aqueous phase homogeneous catalysis using core shell nanoreactors: Application to rhodium-catalyzed hydroformylation of 1-octene. *Journal of Catalysis*, **2015**, 324, 1-8	7.3	43
34	Ex situ mineral carbonation for CO2 mitigation: Evaluation of mining waste resources, aqueous carbonation processability and life cycle assessment (Carmex project). *Minerals Engineering*, **2014**, 59, 52-63	4.9	47
33	Core-shell nanoreactors for efficient aqueous biphasic catalysis. *Chemistry - A European Journal*, **2014**, 20, 15505-17	4.8	62
32	Preparation of phosphine-functionalized polystyrene stars by metal catalyzed controlled radical copolymerization and their application to hydroformylation catalysis. *Dalton Transactions*, **2013**, 42, 9148-56	4.2	12
31	Regeneration of coked zeolite from PMMA cracking process by ozonation. *Applied Catalysis B: Environmental*, **2013**, 140-141, 396-405	21.8	9
30	Heterogeneous Fenton oxidation of paracetamol using iron oxide (nano)particles. *Journal of Environmental Chemical Engineering*, **2013**, 1, 1214-1222	6.8	67
29	Preparation of Polymer Supported Phosphine Ligands by Metal Catalyzed Living Radical Copolymerization and Their Application to Hydroformylation Catalysis. *ChemCatChem*, **2013**, 5, 1161-1169	5.2	11
28	Improving sewage sludge ultrasonic pretreatment under pressure by changing initial pH. *Journal of Environmental Management*, **2013**, 128, 548-54	7.9	10
27	Ultrasonic sludge pretreatment under pressure. *Ultrasonics Sonochemistry*, **2013**, 20, 1203-10	8.9	24
26	Competitive Adsorption of p-Hydroxybenzoic Acid and Phenol on Activated Carbon: Experimental Study and Modeling. *Journal of Environmental Engineering, ASCE*, **2013**, 139, 402-409	2	11

25	Degradation of paracetamol by catalytic wet air oxidation and sequential adsorption - Catalytic wet air oxidation on activated carbons. *Journal of Hazardous Materials*, **2012**, 221-222, 131-8	12.8	40
24	Assessment and Modeling of a Sequential Process for Water Treatment Adsorption and Batch CWAO Regeneration of Activated Carbon. *Industrial & Engineering Chemistry Research*, **2012**, 51, 8867-8874	3.9	10
23	Comprehensive analysis of direct aqueous mineral carbonation using dissolution enhancing organic additives. *International Journal of Greenhouse Gas Control*, **2012**, 9, 334-346	4.2	47
22	Kinetics of hydroformylation of 1-octene in ionic liquid-organic biphasic media using rhodium sulfoxantphos catalyst. *Chemical Engineering Science*, **2011**, 66, 1631-1639	4.4	24
21	Understanding the chemistry of direct aqueous carbonation with additives through geochemical modelling. *Energy Procedia*, **2011**, 4, 3809-3816	2.3	4
20	Regeneration of Activated Carbon by (Photo)-Fenton Oxidation. *Industrial & Engineering Chemistry Research*, **2010**, 49, 989-995	3.9	31
19	Application of sludge-based carbonaceous materials in a hybrid water treatment process based on adsorption and catalytic wet air oxidation. *Journal of Environmental Management*, **2010**, 91, 2432-9	7.9	32
18	Comparative adsorption of levodopa from aqueous solution on different activated carbons. *Chemical Engineering Journal*, **2009**, 152, 183-188	14.7	31
17	Sonolysis of levodopa and paracetamol in aqueous solutions. *Ultrasonics Sonochemistry*, **2009**, 16, 610-6	8.9	117
16	ADOX: A sequential oxidative process for water treatment Adsorption and batch CWAO regeneration of activated carbon. *Chemical Engineering Journal*, **2009**, 152, 189-194	14.7	30
15	Mass Transfer and Solubility of CO and H2 in Ionic Liquid. Case of [Bmim][PF6] with Gas-Inducing Stirrer Reactor. *Industrial & Engineering Chemistry Research*, **2009**, 48, 4075-4082	3.9	41
14	Measurements and Modeling of Wetting Efficiency in Trickle-Bed Reactors: Liquid Viscosity and Bed Packing Effects. *Industrial & Engineering Chemistry Research*, **2009**, 48, 6811-6819	3.9	16
13	Catalytic Oxidation of 4-Hydroxybenzoic Acid on Activated Carbon in Batch Autoclave and Fixed-Bed Reactors. *Industrial & Engineering Chemistry Research*, **2007**, 46, 8388-8396	3.9	15
12	Partial Wetting in Trickle Bed Reactors: Measurement Techniques and Global Wetting Efficiency. *Industrial & Engineering Chemistry Research*, **2007**, 46, 8397-8405	3.9	23
11	Wetting topology in trickle bed reactors. *AICHE Journal*, **2007**, 53, 1850-1860	3.6	29
10	Theoretical analysis of tracer method for the measurement of wetting efficiency. *Chemical Engineering Science*, **2007**, 62, 5374-5379	4.4	10
9	Effect of partial wetting on liquid/solid mass transfer in trickle bed reactors. *Chemical Engineering Science*, **2007**, 62, 7020-7025	4.4	9
8	Scale-up and Modeling of Fixed-Bed Reactors for Catalytic Phenol Oxidation over Adsorptive Active Carbon. *Industrial & Engineering Chemistry Research*, **2005**, 44, 9513-9523	3.9	16

7	Selective hydrogenation in trickle-bed reactor: experimental and modelling including partial wetting. *Catalysis Today*, **2003**, 79-80, 293-305	5.3	13
6	Hydrogenation of 1,5,9-cyclododecatriene in fixed-bed reactors: Down- vs. upflow modes. *AICHE Journal*, **2002**, 48, 110-125	3.6	31
5	Dynamic modeling of three-phase upflow fixed-bed reactor including pore diffusion. *Chemical Engineering and Processing: Process Intensification*, **2002**, 41, 311-320	3.7	6
4	Selective hydrogenation of 1,5,9-cyclododecatriene in up- and down-flow fixed-bed reactors: experimental observations and modeling. *Chemical Engineering Science*, **2001**, 56, 557-564	4.4	16
3	Dynamics of internal diffusion during the hydrogenation of 1,5,9-cyclododecatriene on Pd/Al2O3. *Catalysis Today*, **1999**, 48, 147-159	5.3	9
2	Dynamics of a three-phase upflow fixed-bed catalytic reactor. *Chemical Engineering Science*, **1999**, 54, 2391-2400	4.4	14
1	Degradation of ibuprofen by photo-based advanced oxidation processes: exploring methods of activation and related reaction routes. *International Journal of Environmental Science and Technology*,1	3.3	3