Jean Toutain

List of Publications by Year
in descending order

26 papers	409 citations	687363 13 h-index	752698 20 g-index
26 all docs	26 docs citations	26 times ranked	383 citing authors

#	Article	IF	Citations
1	Highlighting Specific Features to Reduce Chemical and Thermal Risks of Electronic Cigarette Use through a Technical Classification of Devices. Applied Sciences (Switzerland), 2021, 11, 5254.	2.5	3
2	Study of peritectic compound Li4(OH)3Br for high temperature thermal energy storage in solar power applications. Solar Energy Materials and Solar Cells, 2021, 230, 111259.	6.2	5
3	Experimental Method of Emission Generation Calibration Based on Reference Liquids Characterization. International Journal of Environmental Research and Public Health, 2019, 16, 2262.	2.6	10
4	Permeability of fibrous carbon materials. Journal of Materials Science, 2019, 54, 13537-13556.	3.7	10
5	Development of a new LiBr/LiOH-based alloy for thermal energy storage. Journal of Physics and Chemistry of Solids, 2019, 131, 173-179.	4.0	9
6	Impact of Vaping Regimens on Electronic Cigarette Efficiency. International Journal of Environmental Research and Public Health, 2019, 16, 4753.	2.6	18
7	Influence of Coil Power Ranges on the E-Liquid Consumption in Vaping Devices. International Journal of Environmental Research and Public Health, 2018, 15, 1853.	2.6	23
8	Influence of Implants Composition on Melatonin Release from Ethylcellulose Matrix. Current Drug Delivery, 2018, 15, 737-743.	1.6	1
9	Direct technique for monitoring lipid oxidation in water-in-oil emulsions based on micro-calorimetry. Food Chemistry, 2017, 230, 563-566.	8.2	6
10	Characterization of lipid oxidation in plant oils by micro-calorimetry. Food Chemistry, 2016, 197, 709-713.	8.2	12
11	Quantitative kinetics and enthalpy measurements of biphasic underflow chemical reactions using infrared thermography. Experimental Thermal and Fluid Science, 2015, 67, 14-17.	2.7	4
12	Enthalpy, kinetics and mixing characterization in droplet-flow millifluidic device by infrared thermography. Chemical Engineering Journal, 2015, 273, 325-332.	12.7	28
13	Quantitative thermal analysis of heat transfer in liquidâ€“liquid biphasic millifluidic droplet flows. Quantitative InfraRed Thermography Journal, 2014, 11, 134-160.	4.2	3
14	Modeling of a nonlinear thermochemical energy storage by adsorption on zeolites. Applied Thermal Engineering, 2014, 71, 469-480.	6.0	31
15	Using the Peng-Robinson Equation of State to Explore Working Fluids for Higher Temperature Organic Rankine Cycles. , 2014, , .		1
16	Absolute self-calibrated room-temperature terahertz powermeter. Applied Optics, 2013, 52, 2320.	1.8	5
17	Thermal quadrupole method with internal heat sources. International Journal of Thermal Sciences, 2012, 53, 49-55.	4.9	28
18	Numerical Inversion of Laplace Transform for Time Resolved Thermal Characterization Experiment. Journal of Heat Transfer, 2011, 133, .	2.1	28

#	Article	IF	Citations
19	Thermal analysis of chemical reaction with a continuous microfluidic calorimeter. Chemical Engineering Journal, 2010, 160, 814-822.	12.7	28
20	Thermal Analysis for Velocity, Kinetics, and Enthalpy Reaction Measurements in Microfluidic Devices. Experimental Heat Transfer, 2009, 23, 44-62.	3.2	19
21	Microscale thermography of freezing biological cells in view of cryopreservation. Quantitative InfraRed Thermography Journal, 2009, 6, 37-61.	4.2	23
22	A millifluidic calorimeter with infrared thermography for the measurement of chemical reaction enthalpy and kinetics. Quantitative InfraRed Thermography Journal, 2008, 5, 211-229.	4.2	23
23	Mapping of ice cream formulation using front-face fluorescence spectroscopy. International Dairy Journal, 2006, 16, 489-496.	3.0	15
24	Processing of temperature field in chemical microreactors with infrared thermography. Quantitative InfraRed Thermography Journal, 2006, 3, 117-135.	4.2	50
25	Interactions between hard spheres sedimenting at low Reynolds number. European Journal of Mechanics, B/Fluids, 2005, 24, 586-595.	2.5	4
26	Direct quantification of protein partitioning in oil-in-water emulsion by front-face fluorescence: Avoiding the need for centrifugation. Colloids and Surfaces B: Biointerfaces, 2005, 43, 158-162.	5.0	22