

Jean Toutain

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4176539/publications.pdf>

Version: 2024-02-01

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	Processing of temperature field in chemical microreactors with infrared thermography. Quantitative InfraRed Thermography Journal, 2006, 3, 117-135.	4.2	50
2	Modeling of a nonlinear thermochemical energy storage by adsorption on zeolites. Applied Thermal Engineering, 2014, 71, 469-480.	6.0	31
3	Thermal analysis of chemical reaction with a continuous microfluidic calorimeter. Chemical Engineering Journal, 2010, 160, 814-822.	12.7	28
4	Numerical Inversion of Laplace Transform for Time Resolved Thermal Characterization Experiment. Journal of Heat Transfer, 2011, 133, .	2.1	28
5	Thermal quadrupole method with internal heat sources. International Journal of Thermal Sciences, 2012, 53, 49-55.	4.9	28
6	Enthalpy, kinetics and mixing characterization in droplet-flow millifluidic device by infrared thermography. Chemical Engineering Journal, 2015, 273, 325-332.	12.7	28
7	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
8	Microscale thermography of freezing biological cells in view of cryopreservation. Quantitative InfraRed Thermography Journal, 2009, 6, 37-61.	4.2	23
9	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
10	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
11	Thermal Analysis for Velocity, Kinetics, and Enthalpy Reaction Measurements in Microfluidic Devices. Experimental Heat Transfer, 2009, 23, 44-62.	3.2	19
12	Impact of Vaping Regimens on Electronic Cigarette Efficiency. International Journal of Environmental Research and Public Health, 2019, 16, 4753.	2.6	18
13	Mapping of ice cream formulation using front-face fluorescence spectroscopy. International Dairy Journal, 2006, 16, 489-496.	3.0	15
14	Characterization of lipid oxidation in plant oils by micro-calorimetry. Food Chemistry, 2016, 197, 709-713.	8.2	12
15	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
16	Permeability of fibrous carbon materials. Journal of Materials Science, 2019, 54, 13537-13556.	3.7	10
17	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
18	Direct technique for monitoring lipid oxidation in water-in-oil emulsions based on micro-calorimetry. Food Chemistry, 2017, 230, 563-566.	8.2	6

#	ARTICLE	IF	CITATIONS
19	Absolute self-calibrated room-temperature terahertz powermeter. <i>Applied Optics</i> , 2013, 52, 2320.	1.8	5
20	Study of peritectic compound $\text{Li}_4(\text{OH})_3\text{Br}$ for high temperature thermal energy storage in solar power applications. <i>Solar Energy Materials and Solar Cells</i> , 2021, 230, 111259.	6.2	5
21	Interactions between hard spheres sedimenting at low Reynolds number. <i>European Journal of Mechanics, B/Fluids</i> , 2005, 24, 586-595.	2.5	4
22	Quantitative kinetics and enthalpy measurements of biphasic underflow chemical reactions using infrared thermography. <i>Experimental Thermal and Fluid Science</i> , 2015, 67, 14-17.	2.7	4
23	Quantitative thermal analysis of heat transfer in liquid-liquid biphasic millifluidic droplet flows. <i>Quantitative InfraRed Thermography Journal</i> , 2014, 11, 134-160.	4.2	3
24	Highlighting Specific Features to Reduce Chemical and Thermal Risks of Electronic Cigarette Use through a Technical Classification of Devices. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5254.	2.5	3
25	Using the Peng-Robinson Equation of State to Explore Working Fluids for Higher Temperature Organic Rankine Cycles. , 2014, , .		1
26	Influence of Implants Composition on Melatonin Release from Ethylcellulose Matrix. <i>Current Drug Delivery</i> , 2018, 15, 737-743.	1.6	1