

# Marie Duquesne

## List of Publications by Year in descending order

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30  
papers

473  
citations

687363

13  
h-index

677142

22  
g-index

32  
all docs

32  
docs citations

32  
times ranked

342  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | High-throughput experiment for the rapid screening of organic phase change materials. Journal of Thermal Analysis and Calorimetry, 2022, 147, 8137-8143.  | 3.6 | 2         |
| 2  | Investigation of a novel bio-based phase change material hemp concrete for passive energy storage in buildings. Applied Thermal Engineering, 2022, 212, 118620.   | 6.0 | 19        |
| 3  | Performance analysis of the infrared thermography method for complex phase diagrams estimation. Journal of Thermal Analysis and Calorimetry, 2021, 143, 3577-3587.  | 3.6 | 3         |
| 4  | A fast and low-cost dynamic calorimetric method for phase diagram estimation of binary systems. Journal of Thermal Analysis and Calorimetry, 2021, 143, 587-598.  | 3.6 | 6         |
| 5  | Hydrophobised carbon foams for improved long-term seasonal solar thermal energy storage. Solar Energy Materials and Solar Cells, 2021, 220, 110849.   | 6.2 | 16        |
| 6  | 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         |
| 7  | On the Use of Infrared Thermography for the Estimation of Melting Enthalpy. Applied Sciences (Switzerland), 2021, 11, 5915.   | 2.5 | 0         |
| 8  | Characterization of Fatty Acids as Biobased Organic Materials for Latent Heat Storage. Materials, 2021, 14, 4707.   | 2.9 | 13        |
| 9  | Applicability of Infrared Thermography for the Detection of Phase Transitions in Metal Alloys. Applied Sciences (Switzerland), 2021, 11, 8885.  | 2.5 | 2         |
| 10 | Review on the Integration of Phase Change Materials in Building Envelopes for Passive Latent Heat Storage. Applied Sciences (Switzerland), 2021, 11, 9305.  | 2.5 | 20        |
| 11 | Li4Br(OH)3 microstructure monitoring over its synthesis to tackle the lithium-based salts exploitation challenges as advanced phase change materials for storage technologies. Materials and Design, 2020, 196, 109160. | 7.0 | 1         |
| 12 | Applications of an infrared thermography method for solid-liquid equilibria modeling of organic binary systems. Thermochimica Acta, 2020, 687, 178580.  | 2.7 | 3         |
| 13 | 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        |
| 14 | Biosourced organic materials for latent heat storage: An economic and eco-friendly alternative. Energy, 2019, 188, 116067.  | 8.8 | 28        |
| 15 | Nucleation Triggering of Highly Undercooled Xylitol Using an Air Lift Reactor for Seasonal Thermal Energy Storage. Applied Sciences (Switzerland), 2019, 9, 267.  | 2.5 | 20        |
| 16 | Phase Diagrams of Fatty Acids as Biosourced Phase Change Materials for Thermal Energy Storage. Applied Sciences (Switzerland), 2019, 9, 1067.   | 2.5 | 12        |
| 17 | Improved infrared thermography method for fast estimation of complex phase diagrams. Thermochimica Acta, 2019, 675, 84-91.  | 2.7 | 8         |
| 18 | Impact of Vaping Regimens on Electronic Cigarette Efficiency. International Journal of Environmental Research and Public Health, 2019, 16, 4753.  | 2.6 | 18        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | THERMODYNAMIC MODELING AND EXPERIMENTAL VALIDATION OF FATTY ORGANIC SYSTEMS SOLID-LIQUID EQUILIBRIUM. , 2019, , .   |     | 0         |
| 20 | 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        |
| 21 | Microscopic infrared thermography for fast estimation of the thermal properties of thin films. Journal of Applied Physics, 2018, 124, 085111.                               | 2.5 | 5         |
| 22 | Experimental and in silico characterization of xylitol as seasonal heat storage material. Fluid Phase Equilibria, 2017, 436, 55-68.   | 2.5 | 34        |
| 23 | Characterization of different sugar alcohols as phase change materials for thermal energy storage applications. Solar Energy Materials and Solar Cells, 2017, 159, 560-569. | 6.2 | 131       |
| 24 | Crystal growth kinetics of sugar alcohols as phase change materials for thermal energy storage. Energy Procedia, 2017, 139, 315-321.  | 1.8 | 14        |
| 25 | Bubble agitation as a new low-intrusive method to crystallize glass-forming materials. Energy Procedia, 2017, 139, 352-357.   | 1.8 | 19        |
| 26 | Crack formation and self-healing behavior during the drying of alumina gels: Experimental studies. Drying Technology, 2016, 34, 1501-1509.                                  | 3.1 | 1         |
| 27 | Analysis of crystal growth kinetics in undercooled melts by infrared thermography. Quantitative InfraRed Thermography Journal, 2015, 12, 237-251.                           | 4.2 | 16        |
| 28 | Experimental analysis of heterogeneous nucleation in undercooled melts by infrared thermography. Quantitative InfraRed Thermography Journal, 2015, 12, 112-126.             | 4.2 | 12        |
| 29 | Modeling of a nonlinear thermochemical energy storage by adsorption on zeolites. Applied Thermal Engineering, 2014, 71, 469-480.  | 6.0 | 31        |
| 30 | Analysis of crystal growth kinetics of meta-stable phases in undercooled melts by infrared thermography. , 2014, , .  |     | 1         |