

Katherine S Elvira

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18
papers

1,075
citations

9
h-index

22
g-index

22
ext. papers

1,258
ext. citations

7.2
avg, IF

4.63
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 18 | The past, present and potential for microfluidic reactor technology in chemical synthesis. <i>Nature Chemistry</i> , 2013 , 5, 905-15 | 17.6 | 789 |
| 17 | A microfluidic approach for high-throughput droplet interface bilayer (DIB) formation. <i>Chemical Communications</i> , 2010 , 46, 1620-2 | 5.8 | 69 |
| 16 | Droplet-based microfluidic platform for high-throughput, multi-parameter screening of photosensitizer activity. <i>Analytical Chemistry</i> , 2013 , 85, 8866-72 | 7.8 | 46 |
| 15 | Through-Wall Mass Transport as a Modality for Safe Generation of Singlet Oxygen in Continuous Flows. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 209-213 | 8.3 | 44 |
| 14 | Microfluidic Technique for the Simultaneous Quantification of Emulsion Instabilities and Lipid Digestion Kinetics. <i>Analytical Chemistry</i> , 2017 , 89, 9116-9123 | 7.8 | 22 |
| 13 | Droplet confinement and leakage: Causes, underlying effects, and amelioration strategies. <i>Biomicrofluidics</i> , 2015 , 9, 024119 | 3.2 | 20 |
| 12 | A Microfluidic Platform for the Rapid Determination of Distribution Coefficients by Gravity-Assisted Droplet-Based Liquid-Liquid Extraction. <i>Analytical Chemistry</i> , 2015 , 87, 6265-70 | 7.8 | 18 |
| 11 | Droplet dispensing in digital microfluidic devices: Assessment of long-term reproducibility. <i>Biomicrofluidics</i> , 2012 , 6, 22003-2200310 | 3.2 | 17 |
| 10 | A microfluidic toolbox for cell fusion. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 16-24 | 3.5 | 9 |
| 9 | Enhanced versatility of fluid control in centrifugal microfluidic platforms using two degrees of freedom. <i>Lab on A Chip</i> , 2016 , 16, 1197-205 | 7.2 | 9 |
| 8 | Recent advances in the design of microfluidic technologies for the manufacture of drug releasing particles. <i>Journal of Controlled Release</i> , 2021 , 333, 258-268 | 11.7 | 7 |
| 7 | A bespoke microfluidic pharmacokinetic compartment model for drug absorption using artificial cell membranes. <i>Lab on A Chip</i> , 2020 , 20, 1898-1906 | 7.2 | 6 |
| 6 | Microfluidic technologies for drug discovery and development: friend or foe?. <i>Trends in Pharmacological Sciences</i> , 2021 , 42, 518-526 | 13.2 | 6 |
| 5 | A plug-and-play modular microcapillary platform for the generation of multicompartamental double emulsions using glass or fluorocarbon capillaries. <i>Lab on A Chip</i> , 2021 , 21, 2781-2790 | 7.2 | 5 |
| 4 | Biomimetic artificial cells to model the effect of membrane asymmetry on chemoresistance. <i>Chemical Communications</i> , 2021 , 57, 6534-6537 | 5.8 | 3 |
| 3 | Programmed assembly of bespoke prototissues on a microfluidic platform. <i>Lab on A Chip</i> , 2021 , 21, 4574-4585 | 7.5 | 2 |
| 2 | Algae Adhesion onto Silicone is Sensitive to Environment-Induced Surface Restructuring. <i>Langmuir</i> , 2021 , 37, 9597-9604 | 4 | 2 |

- ¹ The role of temperature in the formation of human-mimetic artificial cell membranes using droplet interface bilayers (DIBs). *Soft Matter*, **2021**, 17, 8891-8901 3.6 ○