

# Katherine S Elvira

## List of Publications by Year in Descending Order

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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	Programmed assembly of bespoke prototissues on a microfluidic platform. <i>Lab on A Chip</i> , <b>2021</b> , 21, 4574-4585	7.2	2
17	Recent advances in the design of microfluidic technologies for the manufacture of drug releasing particles. <i>Journal of Controlled Release</i> , <b>2021</b> , 333, 258-268	11.7	7
16	Microfluidic technologies for drug discovery and development: friend or foe?. <i>Trends in Pharmacological Sciences</i> , <b>2021</b> , 42, 518-526	13.2	6
15	Biomimetic artificial cells to model the effect of membrane asymmetry on chemoresistance. <i>Chemical Communications</i> , <b>2021</b> , 57, 6534-6537	5.8	3
14	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> , <b>2021</b> , 21, 2781-2790	7.2	5
13	Algae Adhesion onto Silicone is Sensitive to Environment-Induced Surface Restructuring. <i>Langmuir</i> , <b>2021</b> , 37, 9597-9604	4	2
12	The role of temperature in the formation of human-mimetic artificial cell membranes using droplet interface bilayers (DIBs). <i>Soft Matter</i> , <b>2021</b> , 17, 8891-8901	3.6	0
11	A bespoke microfluidic pharmacokinetic compartment model for drug absorption using artificial cell membranes. <i>Lab on A Chip</i> , <b>2020</b> , 20, 1898-1906	7.2	6
10	Microfluidic Technique for the Simultaneous Quantification of Emulsion Instabilities and Lipid Digestion Kinetics. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9116-9123	7.8	22
9	A microfluidic toolbox for cell fusion. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 16-24	3.5	9
8	Enhanced versatility of fluid control in centrifugal microfluidic platforms using two degrees of freedom. <i>Lab on A Chip</i> , <b>2016</b> , 16, 1197-205	7.2	9
7	Droplet confinement and leakage: Causes, underlying effects, and amelioration strategies. <i>Biomicrofluidics</i> , <b>2015</b> , 9, 024119	3.2	20
6	A Microfluidic Platform for the Rapid Determination of Distribution Coefficients by Gravity-Assisted Droplet-Based Liquid-Liquid Extraction. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 6265-70	7.8	18
5	Through-Wall Mass Transport as a Modality for Safe Generation of Singlet Oxygen in Continuous Flows. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2013</b> , 1, 209-213	8.3	44
4	The past, present and potential for microfluidic reactor technology in chemical synthesis. <i>Nature Chemistry</i> , <b>2013</b> , 5, 905-15	17.6	789
3	Droplet-based microfluidic platform for high-throughput, multi-parameter screening of photosensitizer activity. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 8866-72	7.8	46
2	Droplet dispensing in digital microfluidic devices: Assessment of long-term reproducibility. <i>Biomicrofluidics</i> , <b>2012</b> , 6, 22003-2200310	3.2	17

- 1 A microfluidic approach for high-throughput droplet interface bilayer (DIB) formation. *Chemical Communications*, **2010**, 46, 1620-2 5.8 69