

Xavier Casadevall i Solvas

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.

23
papers

1,546
citations

14
h-index

27
g-index

27
ext. papers

1,779
ext. citations

8.9
avg, IF

4.92
L-index

#	Paper	IF	Citations
23	Stochastic and Age-Dependent Proteostasis Decline Underlies Heterogeneity in Heat-Shock Response Dynamics. <i>Small</i> , 2021 , 17, e2102145	11	0
22	Microfluidics: Stochastic and Age-Dependent Proteostasis Decline Underlies Heterogeneity in Heat-Shock Response Dynamics (Small 30/2021). <i>Small</i> , 2021 , 17, 2170157	11	
21	Long-term <i>C. elegans</i> immobilization enables high resolution developmental studies in vivo. <i>Lab on A Chip</i> , 2018 , 18, 1359-1368	7.2	15
20	Hydrodynamics in Cell Studies. <i>Chemical Reviews</i> , 2018 , 118, 2042-2079	68.1	49
19	Acoustic Compressibility of <i>Caenorhabditis elegans</i> . <i>Biophysical Journal</i> , 2018 , 115, 1817-1825	2.9	11
18	Chemical and Biological Dynamics Using Droplet-Based Microfluidics. <i>Annual Review of Analytical Chemistry</i> , 2017 , 10, 1-24	12.5	60
17	Real-Time PEGDA-Based Microgel Generation and Encapsulation in Microdroplets. <i>Advanced Materials Technologies</i> , 2016 , 1, 1600028	6.8	8
16	Soil-on-a-Chip: microfluidic platforms for environmental organismal studies. <i>Lab on A Chip</i> , 2016 , 16, 228-41	7.2	81
15	Microfluidic-Based Droplet and Cell Manipulations Using Artificial Bacterial Flagella. <i>Micromachines</i> , 2016 , 7,	3.3	34
14	Microfluidic generation of encapsulated droplet interface bilayer networks (multisomes) and their use as cell-like reactors. <i>Chemical Communications</i> , 2016 , 52, 5961-4	5.8	49
13	"V-junction": a novel structure for high-speed generation of bespoke droplet flows. <i>Analyst, The</i> , 2015 , 140, 414-21	5	22
12	Hydrophilic Surface Modification of PDMS Microchannel for O/W and W/O/W Emulsions. <i>Micromachines</i> , 2015 , 6, 1445-1458	3.3	17
11	Dynamic wetting in microfluidic droplet formation. <i>Biochip Journal</i> , 2014 , 8, 122-128	4	23
10	The past, present and potential for microfluidic reactor technology in chemical synthesis. <i>Nature Chemistry</i> , 2013 , 5, 905-15	17.6	789
9	Microfluidic evaporator for on-chip sample concentration. <i>Lab on A Chip</i> , 2012 , 12, 4049-54	7.2	21
8	Droplet microfluidics: recent developments and future applications. <i>Chemical Communications</i> , 2011 , 47, 1936-42	5.8	251
7	Fluorescence detection methods for microfluidic droplet platforms. <i>Journal of Visualized Experiments</i> , 2011 ,	1.6	12

6	Micromixing and flow manipulation with polymer microactuators. <i>Microfluidics and Nanofluidics</i> , 2011 , 11, 405-416	2.8	5
5	High-throughput age synchronisation of <i>Caenorhabditis elegans</i> . <i>Chemical Communications</i> , 2011 , 47, 9801-3	5.8	37
4	Utilization of electroactive polymer actuators in micromixing and in extended-life biosensor applications 2010 ,		5
3	Mapping of fluidic mixing in microdroplets with 1 microsecond time resolution using fluorescence lifetime imaging. <i>Analytical Chemistry</i> , 2010 , 82, 3950-6	7.8	45
2	Au/PPy Actuators for Active Micromixing and Mass Transport Enhancement. <i>Micro and Nanosystems</i> , 2009 , 1, 2-11	0.6	5
1	Heterogeneity in heat shock response dynamics caused by translation fidelity decline and proteostasis collapse		2