

Ya Gai

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

212
citations

1163117

8
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

360
citing authors

#	ARTICLE	IF	CITATIONS
1	Optofluidic ultrahigh-throughput detection of fluorescent drops. Lab on A Chip, 2015, 15, 1417-1423.	6.0	57
2	Confinement and viscosity ratio effect on droplet break-up in a concentrated emulsion flowing through a narrow constriction. Lab on A Chip, 2016, 16, 3058-3064.	6.0	37
3	Spatiotemporal periodicity of dislocation dynamics in a two-dimensional microfluidic crystal flowing in a tapered channel. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12082-12087.	7.1	32
4	Microfluidic guillotine for single-cell wound repair studies. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7283-7288.	7.1	27
5	Internal flow in droplets within a concentrated emulsion flowing in a microchannel. Physics of Fluids, 2016, 28, .	4.0	15
6	Amphiphilic nanoparticles suppress droplet break-up in a concentrated emulsion flowing through a narrow constriction. Biomicrofluidics, 2017, 11, 034117.	2.4	12
7	Timescale and spatial distribution of local plastic events in a two-dimensional microfluidic crystal. Physical Review Fluids, 2019, 4, .	2.5	12
8	Internal flow inside droplets within a concentrated emulsion during droplet rearrangement. Physics of Fluids, 2018, 30, 032002.	4.0	10
9	Strategic placement of an obstacle suppresses droplet break up in the hopper flow of a microfluidic soft crystal. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	7
10	Confinement size determines the architecture of Ran-induced microtubule networks. Soft Matter, 2021, 17, 5921-5931.	2.7	3