Diana Cholakova

List of Publications by Year
in descending order

19	558	759233 12	794594 19
papers	citations	h-index	g-index

20	20	20	402
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rheological properties of rotator and crystalline phases of alkanes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 634, 127926.	4.7	9
2	Self-emulsification in chemical and pharmaceutical technologies. Current Opinion in Colloid and Interface Science, 2022, 59, 101576.	7.4	14
3	Cold-Burst Method for Nanoparticle Formation with Natural Triglyceride Oils. Langmuir, 2021, 37, 7875-7889.	3.5	8
4	Comment on â€œFaceting and Flattening of Emulsion Droplets: A Mechanical Modelâ€• Physical Review Letters, 2021, 126, 259801.	7.8	5
5	Rechargeable self-assembled droplet microswimmers driven by surface phase transitions. Nature Physics, 2021, 17, 1050-1055.	16.7	23
6	Rotator phases in hexadecane emulsion drops revealed by X-ray synchrotron techniques. Journal of Colloid and Interface Science, 2021, 604, 260-271.	9.4	9
7	Nanopore and Nanoparticle Formation with Lipids Undergoing Polymorphic Phase Transitions. ACS Nano, 2020, 14, 8594-8604.	14.6	11
8	Spontaneous particle desorption and â€œGorgonâ€•drop formation from particle-armored oil drops upon cooling. Soft Matter, 2020, 16, 2480-2496.	2.7	5
9	Surface phase transitions in foams and emulsions. Current Opinion in Colloid and Interface Science, 2019, 44, 32-47.	7.4	19
10	Rotator phases in alkane systems: In bulk, surface layers and micro/nano-confinements. Advances in Colloid and Interface Science, 2019, 269, 7-42.	14.7	83
11	Multilayer Formation in Self-Shaping Emulsion Droplets. Langmuir, 2019, 35, 5484-5495.	3.5	22
12	Shape-shifting polyhedral droplets. Physical Review Research, 2019, 1, .	3.6	15
13	Theory of Shape-Shifting Droplets. Physical Review Letters, 2017, 118, 088001.	7.8	29
14	Efficient self-emulsification via cooling-heating cycles. Nature Communications, 2017, 8, 15012.	12.8	43
15	â€œSelf-Shapingâ€•of Multicomponent Drops. Langmuir, 2017, 33, 5696-5706.	3.5	30
16	Mechanisms and Control of Self-Emulsification upon Freezing and Melting of Dispersed Alkane Drops. Langmuir, 2017, 33, 12155-12170.	3.5	18
17	On the Mechanism of Drop Self-Shaping in Cooled Emulsions. Langmuir, 2016, 32, 7985-7991.	3.5	41
18	Control of drop shape transformations in cooled emulsions. Advances in Colloid and Interface Science, 2016, 235, 90-107.	14.7	51

#	Article	IF	Citations
19	Self-shaping of oil droplets via the formation of intermediate rotator phases upon cooling. Nature, 2015, 528, 392-395.	27.8	123