

Diana Cholakova

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

558
citations

759233

12
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

402
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-shaping of oil droplets via the formation of intermediate rotator phases upon cooling. <i>Nature</i> , 2015, 528, 392-395.	27.8	123
2	Rotator phases in alkane systems: In bulk, surface layers and micro/nano-confinements. <i>Advances in Colloid and Interface Science</i> , 2019, 269, 7-42.	14.7	83
3	Control of drop shape transformations in cooled emulsions. <i>Advances in Colloid and Interface Science</i> , 2016, 235, 90-107.	14.7	51
4	Efficient self-emulsification via cooling-heating cycles. <i>Nature Communications</i> , 2017, 8, 15012.	12.8	43
5	On the Mechanism of Drop Self-Shaping in Cooled Emulsions. <i>Langmuir</i> , 2016, 32, 7985-7991.	3.5	41
6	Self-Shaping of Multicomponent Drops. <i>Langmuir</i> , 2017, 33, 5696-5706.	3.5	30
7	Theory of Shape-Shifting Droplets. <i>Physical Review Letters</i> , 2017, 118, 088001.	7.8	29
8	Rechargeable self-assembled droplet microswimmers driven by surface phase transitions. <i>Nature Physics</i> , 2021, 17, 1050-1055.	16.7	23
9	Multilayer Formation in Self-Shaping Emulsion Droplets. <i>Langmuir</i> , 2019, 35, 5484-5495.	3.5	22
10	Surface phase transitions in foams and emulsions. <i>Current Opinion in Colloid and Interface Science</i> , 2019, 44, 32-47.	7.4	19
11	Mechanisms and Control of Self-Emulsification upon Freezing and Melting of Dispersed Alkane Drops. <i>Langmuir</i> , 2017, 33, 12155-12170.	3.5	18
12	Shape-shifting polyhedral droplets. <i>Physical Review Research</i> , 2019, 1, .	3.6	15
13	Self-emulsification in chemical and pharmaceutical technologies. <i>Current Opinion in Colloid and Interface Science</i> , 2022, 59, 101576.	7.4	14
14	Nanopore and Nanoparticle Formation with Lipids Undergoing Polymorphic Phase Transitions. <i>ACS Nano</i> , 2020, 14, 8594-8604.	14.6	11
15	Rotator phases in hexadecane emulsion drops revealed by X-ray synchrotron techniques. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 260-271.	9.4	9
16	Rheological properties of rotator and crystalline phases of alkanes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 634, 127926.	4.7	9
17	Cold-Burst Method for Nanoparticle Formation with Natural Triglyceride Oils. <i>Langmuir</i> , 2021, 37, 7875-7889.	3.5	8
18	Spontaneous particle desorption and Gorgon drop formation from particle-armored oil drops upon cooling. <i>Soft Matter</i> , 2020, 16, 2480-2496.	2.7	5

#	ARTICLE	IF	CITATIONS
19	Comment on "Faceting and Flattening of Emulsion Droplets: A Mechanical Model", Physical Review Letters, 2021, 126, 259801.	7.8	5