

# Chiao-Peng Hsu

## List of Publications by Year in descending order

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13  
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933410

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1125717

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418  
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#	ARTICLE	IF	CITATIONS
1	Activity-induced polar patterns of filaments gliding on a sphere. <i>Nature Communications</i> , 2022, 13, 2579.	12.8	10
2	Roughness-dependent clogging of particle suspensions flowing into a constriction. <i>Soft Matter</i> , 2021, 17, 7252-7259.	2.7	12
3	On the effect of morphology and particle-wall interaction on colloidal near-wall dynamics. <i>Soft Matter</i> , 2021, 17, 10301-10311.	2.7	2
4	Exploring the roles of roughness, friction and adhesion in discontinuous shear thickening by means of thermo-responsive particles. <i>Nature Communications</i> , 2021, 12, 1477.	12.8	44
5	Particle Surface Roughness as a Design Tool for Colloidal Systems. <i>Langmuir</i> , 2020, 36, 11171-11182.	3.5	15
6	Mechanical phase inversion of Pickering emulsions <i>via</i> metastable wetting of rough colloids. <i>Soft Matter</i> , 2019, 15, 7888-7900.	2.7	18
7	Stress Contributions in Colloidal Suspensions: The Smooth, the Rough, and the Hairy. <i>Physical Review Letters</i> , 2019, 122, 218001.	7.8	14
8	Tuning Interparticle Hydrogen Bonding in Shear-Jamming Suspensions: Kinetic Effects and Consequences for Tribology and Rheology. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1663-1668.	4.6	28
9	Detachment of Rough Colloids from Liquid-Liquid Interfaces. <i>Langmuir</i> , 2018, 34, 4861-4873.	3.5	25
10	Roughness-dependent tribology effects on discontinuous shear thickening. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5117-5122.	7.1	116
11	Fabrication of rough colloids by heteroaggregation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 116-124.	4.7	38
12	Carbon dots and fluorescein: The ideal FRET pair for the fabrication of a precise and fully reversible ammonia sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 714-722.	7.8	22
13	Hierarchical Structure and Multifunctional Surface Properties of Carnivorous Pitcher Plants <i>Nepenthes</i> . <i>Jom</i> , 2015, 67, 744-753.	1.9	20