

Yu Chai

List of Publications by Year in descending order

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37
papers

1,382
citations

471371

17
h-index

345118

36
g-index

37
all docs

37
docs citations

37
times ranked

2142
citing authors

#	ARTICLE	IF	CITATIONS
1	Visualizing Assembly Dynamics of All-Liquid 3D Architectures. <i>Small</i> , 2022, 18, e2105017.	5.2	6
2	Visualizing Assembly Dynamics of All-Liquid 3D Architectures (Small 6/2022). <i>Small</i> , 2022, 18, .	5.2	2
3	Recycling plastic waste into multifunctional superhydrophobic textiles. <i>Nano Research</i> , 2022, 15, 9921-9925.	5.8	13
4	Van der Waals Exfoliation Processed Biopiezoelectric Submucosa Ultrathin Films. <i>Advanced Materials</i> , 2022, 34, e2200864.	11.1	12
5	Shape-Reconfigurable Ferrofluids. <i>Nano Letters</i> , 2022, 22, 5538-5543.	4.5	13
6	Surfactant-Induced Interfacial Aggregation of Porphyrins for Structuring Color-Tunable Liquids. <i>Angewandte Chemie</i> , 2021, 133, 2907-2912.	1.6	4
7	Surfactant-Induced Interfacial Aggregation of Porphyrins for Structuring Color-Tunable Liquids. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2871-2876.	7.2	13
8	Ferromagnetic liquid droplets with adjustable magnetic properties. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	14
9	Visualizing Interfacial Jamming Using an Aggregation-Induced-Emission Molecular Reporter. <i>Angewandte Chemie</i> , 2021, 133, 8776-8781.	1.6	4
10	Visualizing Interfacial Jamming Using an Aggregation-Induced-Emission Molecular Reporter. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8694-8699.	7.2	20
11	The Buckling Spectra of Nanoparticle Surfactant Assemblies. <i>Nano Letters</i> , 2021, 21, 7116-7122.	4.5	11
12	Direct observation of nanoparticle-surfactant assembly and jamming at the water-oil interface. <i>Science Advances</i> , 2020, 6, .	4.7	44
13	Using M_w Dependence of Surface Dynamics of Glassy Polymers to Probe the Length Scale of Free-Surface Mobility. <i>Macromolecules</i> , 2020, 53, 1084-1089.	2.2	13
14	Reconfigurable ferromagnetic liquid droplets. <i>Science</i> , 2019, 365, 264-267.	6.0	278
15	Stabilizing Liquids Using Interfacial Supramolecular Polymerization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12112-12116.	7.2	30
16	Stabilizing Liquids Using Interfacial Supramolecular Polymerization. <i>Angewandte Chemie</i> , 2019, 131, 12240-12244.	1.6	11
17	Compartmentalized, All-Aqueous Flow-Through-Coordinated Reaction Systems. <i>CheM</i> , 2019, 5, 2678-2690.	5.8	50
18	Mechanical Properties of Solidifying Assemblies of Nanoparticle Surfactants at the Oil-Water Interface. <i>Langmuir</i> , 2019, 35, 13340-13350.	1.6	25

#	ARTICLE	IF	CITATIONS
19	Harnessing liquid-in-liquid printing and micropatterned substrates to fabricate 3-dimensional all-liquid fluidic devices. <i>Nature Communications</i> , 2019, 10, 1095.	5.8	117
20	Assessing Pair Interaction Potentials of Nanoparticles on Liquid Interfaces. <i>ACS Nano</i> , 2019, 13, 3075-3082.	7.3	18
21	Using Atomic Force Microscopy to Probe Crystallization in Atactic Polystyrenes. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700466.	1.1	4
22	The Interfacial Assembly of Polyoxometalate Nanoparticle Surfactants. <i>Nano Letters</i> , 2018, 18, 2525-2529.	4.5	37
23	Direct measurements of the temperature, depth and processing dependence of phenyl ring dynamics in polystyrene thin films by μ^2 -detected NMR. <i>Soft Matter</i> , 2018, 14, 7324-7334.	1.2	19
24	Guiding kinetic trajectories between jammed and unjammed states in 2D colloidal nanocrystal-polymer assemblies with zwitterionic ligands. <i>Science Advances</i> , 2018, 4, eaap8045.	4.7	24
25	Crystallization of low molecular weight atactic polystyrene. <i>Soft Matter</i> , 2018, 14, 6883-6891.	1.2	5
26	Strain Gated Bilayer Molybdenum Disulfide Field Effect Transistor with Edge Contacts. <i>Scientific Reports</i> , 2017, 7, 41593.	1.6	17
27	<i>50th Anniversary Perspective</i>: Putting the Squeeze on Polymers: A Perspective on Polymer Thin Films and Interfaces. <i>Macromolecules</i> , 2017, 50, 4597-4609.	2.2	68
28	Carboxylated Fullerene at the Oil/Water Interface. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34389-34395.	4.0	30
29	Fine-Tuning Nanoparticle Packing at Water–Oil Interfaces Using Ionic Strength. <i>Nano Letters</i> , 2017, 17, 6453-6457.	4.5	97
30	Evaporative purification to produce highly monodisperse polymers: Application to polystyrene for quantification of oligomer to polymer. <i>Physical Review Materials</i> , 2017, 1, .	0.9	8
31	Making one-dimensional electrical contacts to molybdenum disulfide-based heterostructures through plasma etching. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 1358-1364.	0.8	32
32	Nanoporous polystyrene prepared via the selective removal of the low Mw component in polystyrene blends. <i>Polymer Journal</i> , 2016, 48, 983-990.	1.3	1
33	Measuring the solubility of solids in non-solvents: case of polystyrene in alkanes. <i>European Physical Journal E</i> , 2016, 39, 99.	0.7	3
34	A Direct Quantitative Measure of Surface Mobility in a Glassy Polymer. <i>Science</i> , 2014, 343, 994-999.	6.0	192
35	Wafer Scale Synthesis and High Resolution Structural Characterization of Atomically Thin MoS ₂ Layers. <i>Advanced Functional Materials</i> , 2014, 24, 7461-7466.	7.8	102
36	Synthesis of Atomically Thin $\langle \text{TeX-Math} \rangle \{f \text{ MoS} \}_ {f 2} \langle \text{TeX-Math} \rangle \langle \text{InLine-Formula} \rangle \text{Triangles and Hexagons and Their Electrical Transport Properties}$. <i>IEEE Nanotechnology Magazine</i> , 2014, 13, 749-754.	1.1	21

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37	Molecular weight dependence of near surface dynamical mechanical properties of polymers. <i>Soft Matter</i> , 2013, 9, 8958.	1.2	24