Yi Shen

List of Publications by Year
in descending order

21 papers	1,572 citations	566801 15 h-index	713013 21 g-index
25 all docs	25 docs citations	25 times ranked	2228 citing authors

#	Article	IF	Citations
1	RNA Granules Hitchhike on Lysosomes for Long-Distance Transport, Using Annexin A11 as a Molecular Tether. Cell, 2019, 179, 147-164.e20.	13.5	327
2	Biofilm streamers cause catastrophic disruption of flow with consequences for environmental and medical systems. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4345-4350.	3.3	283
3	Amyloid fibril systems reduce, stabilize and deliver bioavailable nanosized iron. Nature Nanotechnology, 2017, 12, 642-647.	15.6	216
4	Shear Stress Increases the Residence Time of Adhesion of Pseudomonas aeruginosa. Biophysical Journal, 2011, 100, 341-350.	0.2	145
5	Biomolecular condensates undergo a generic shear-mediated liquid-to-solid transition. Nature Nanotechnology, 2020, 15, 841-847.	15.6	101
6	From Protein Building Blocks to Functional Materials. ACS Nano, 2021, 15, 5819-5837.	7.3	83
7	Flow Directs Surface-Attached Bacteria to Twitch Upstream. Biophysical Journal, 2012, 103, 146-151.	0.2	70
8	Controlled self-assembly of plant proteins into high-performance multifunctional nanostructured films. Nature Communications, 2021, 12, 3529.	5.8	50
9	Colonization, Competition, and Dispersal of Pathogens in Fluid Flow Networks. Current Biology, 2015, 25, 1201-1207.	1.8	49
10	Aging can transform single-component protein condensates into multiphase architectures. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	44
11	Modulating the Mechanical Performance of Macroscale Fibers through Shearâ€Induced Alignment and Assembly of Protein Nanofibrils. Small, 2020, 16, e1904190.	5.2	39
12	Amyloid Fibrils form Hybrid Colloidal Gels and Aerogels with Dispersed CaCO₃ Nanoparticles. Advanced Functional Materials, 2017, 27, 1700897.	7.8	38
13	Flow dependent performance of microfluidic microbial fuel cells. Physical Chemistry Chemical Physics, 2014, 16, 12535.	1.3	27
14	Mechanobiology of Protein Droplets: Force Arises from Disorder. Cell, 2018, 175, 1457-1459.	13.5	21
15	Recent Advances in Microgels: From Biomolecules to Functionality. Small, 2022, 18, .	5.2	20
16	Liquidâ€“Liquid Phaseâ€Separated Systems from Reversible Gelâ€“Sol Transition of Protein Microgels. Advanced Materials, 2021, 33, e2008670.	11.1	18
17	Microfluidic Templating of Spatially Inhomogeneous Protein Microgels. Small, 2020, 16, e2000432.	5.2	11
18	Deformable and Robust Coreâ€“Shell Protein Microcapsules Templated by Liquidâ€“Liquid Phaseâ€Separated Microdroplets. Advanced Materials Interfaces, 2021, 8, 2101071.	1.9	8

#	Article	IF	Citations
19	Micromechanics of soft materials using microfluidics. MRS Bulletin, 2022, 47, 119-126.	1.7	8
20	Liquidâ€"Liquid Phaseâ€Separated Systems from Reversible Gelâ€"Sol Transition of Protein Microgels (Adv.) Tj ETQq0 0 0 rgBT /Overlock	11.1	3
21	Microfluidic Templating: Microfluidic Templating of Spatially Inhomogeneous Protein Microgels (Small 32/2020). Small, 2020, 16, 2070178.	5.2	2