

# Kai Yu

## List of Publications by Year in descending order

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13  
papers

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citations

1040056

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1125743

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docs citations

13  
times ranked

188  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial Particle Dynamics: One and Two Step Yielding in Colloidal Glass. <i>Langmuir</i> , 2016, 32, 13472-13481.	3.5	46
2	Foaming Behavior of Polymer-Coated Colloids: The Need for Thick Liquid Films. <i>Langmuir</i> , 2017, 33, 6528-6539.	3.5	33
3	The rheology of polyvinylpyrrolidone-coated silica nanoparticles positioned at an air-aqueous interface. <i>Journal of Colloid and Interface Science</i> , 2018, 527, 346-355.	9.4	28
4	Critical role of nanocomposites at air-water interface: From aqueous foams to foam-based lightweight functional materials. <i>Chemical Engineering Journal</i> , 2021, 416, 129121.	12.7	20
5	Polymer Molecular Weight Dependence on Lubricating Particle-Particle Interactions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 2131-2138.	3.7	19
6	The secondary drop formation of nanoparticle/surfactant-stabilized water droplets under non-uniform electric fields. <i>International Journal of Multiphase Flow</i> , 2020, 125, 103211.	3.4	14
7	Impact dynamics of a charged droplet onto different substrates. <i>Physics of Fluids</i> , 2021, 33, .	4.0	14
8	A Dual-Functional Lactate Sensor Based on Silver Nanoparticle-coated Carbon Dots. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 767-772.	1.9	11
9	Synergy between Composite Nanoparticles and Saponin $\beta$ -Escin to Produce Long-Lasting Foams. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 7495-7501.	3.7	10
10	Dynamics of bubble formation on submerged capillaries in a non-uniform direct current electric field. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 606, 125512.	4.7	8
11	Crude oil-water interface partitioning of polyvinylpyrrolidone-coated silica nanoparticles in low-salinity brine. <i>Journal of Petroleum Science and Engineering</i> , 2022, 211, 110185.	4.2	7
12	Interfacial behavior of core-shell composite nanoparticles under compression and shear: Influence of polymer shell thickness. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 827-835.	9.4	6
13	Shell-to-core ratio dependence on modulating interactions between core-shell composite nanoparticles at an air-aqueous interface. <i>Journal of Molecular Liquids</i> , 2022, 352, 118444.	4.9	2