James K Ferri

List of Publications by Year
in descending order

34	1,298	430874 18	377865 34
papers	citations	h-index	g-index

34	34	34	1687
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Encapsulation of a highly hydrophilic drug in polymeric particles: A comparative study of batch and microfluidic processes. International Journal of Pharmaceutics, 2021, 606, 120906.	5.2	6
2	Zirconia aerogels for thermal management: Review of synthesis, processing, and properties information architecture. Advances in Colloid and Interface Science, 2021, 295, 102464.	14.7	24
3	Mechanical properties of thin films at the dodecane-water interface, for multilayered emulsion applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 626, 127051.	4.7	3
4	Enabling intensification of multiphase chemical processes with additive manufacturing. Advances in Colloid and Interface Science, 2020, 285, 102294.	14.7	4
5	Onâ€site threeâ€dimensional printer aerosol hazard assessment: Pilot study of a portable in vitro exposure cassette. Process Safety Progress, 2019, 38, e12030.	1.0	8
6	A highly selective fluorescent probe for cyanide ion and its detection mechanism from theoretical calculations. Talanta, 2018, 185, 1-6.	5.5	28
7	Modulation of cell responses to Agâ€(MeO₂MAâ€coâ€OEGMA): Effects of nanoparticle surface hydrophobicity and serum proteins on cellular uptake and toxicity. Journal of Biomedical Materials Research - Part A, 2018, 106, 1061-1071.	4.0	18
8	Theoretical Study on the Photoinduced Electron Transfer Mechanisms of Different Peroxynitrite Probes. Journal of Physical Chemistry A, 2018, 122, 217-223.	2.5	8
9	Synthesis of Metal@Protein@Polymer Nanoparticles with Distinct Interfacial and Phase Transfer Behavior. Chemistry of Materials, 2018, 30, 6717-6727.	6.7	11
10	Interfacial characterisation for flotation: 2. Air-water interface. Current Opinion in Colloid and Interface Science, 2018, 37, 115-127.	7.4	16
11	Tuning reversible cell adhesion to methacrylate-based thermoresponsive polymers: Effects of composition on substrate hydrophobicity and cellular responses. Journal of Biomedical Materials Research - Part A, 2017, 105, 2416-2428.	4.0	11
12	The influence of polyanion molecular weight on polyelectrolyte multilayers at surfaces: protein adsorption and proteinâ€“polysaccharide complexation/stripping on natural polysaccharide films on solid supports. Physical Chemistry Chemical Physics, 2017, 19, 23790-23801.	2.8	21
13	The influence of polyanion molecular weight on polyelectrolyte multilayers at surfaces: elasticity and susceptibility to saloplasticity of strongly dissociated synthetic polymers at fluidâ€“fluid interfaces. Physical Chemistry Chemical Physics, 2017, 19, 23781-23789.	2.8	15
14	Aggregation kinetics of stimulus-responsive polymer-coated gold nanoparticles driven by Hofmeister effects. Colloids and Interface Science Communications, 2015, 9, 9-11.	4.1	7
15	Effect of Nanoparticle Surface Chemistry on Adsorption and Fluid Phase Partitioning in Aqueous/Toluene and Cellular Systems. Journal of Nanoscience and Nanotechnology, 2015, 15, 3610-3617.	0.9	5
16	Flexible thermoresponsive nanomembranes at the aqueousâ€“air interface. Chemical Communications, 2015, 51, 877-880.	4.1	3
17	Aggregation kinetics and colloidal stability of functionalized nanoparticles. Advances in Colloid and Interface Science, 2015, 222, 332-349.	14.7	131
18	Stimulus-Responsive Au@(MeO₂MA_x-co-OEGMA_y) Nanoparticles Stabilized by Non-DLVO Interactions: Implications of Ionic Strength and Copolymer (x:y) Fraction on Aggregation Kinetics. Langmuir, 2014, 30, 1748-1757.	3.5	21

#	Article	IF	Citations
19	Programming nanoparticle aggregation kinetics with poly(MeO2MA-co-OEGMA) copolymers. Soft Matter, 2013, 9, 11046.	2.7	16
20	Elastic nanomembrane metrology at fluidâ€“fluid interfaces using axisymmetric drop shape analysis with anisotropic surface tensions: deviations from Youngâ€“Laplace equation. Soft Matter, 2012, 8, 10352.	2.7	33
21	The RNA core weakly influences the interactions of the bacteriophage MS2 at key environmental interfaces. Soft Matter, 2011, 7, 10449.	2.7	48
22	Rheology of interfacial layers. Colloid and Polymer Science, 2010, 288, 937-950.	2.1	216
23	From surfactant adsorption kinetics to asymmetric nanomembrane mechanics: Pendant drop experiments with subphase exchange. Advances in Colloid and Interface Science, 2010, 161, 29-47.	14.7	43
24	Non-equilibrium exchange kinetics in sequential non-ionic surfactant adsorption: Theory and experiment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 323, 12-18.	4.7	12
25	Desorption kinetics of surfactants at fluid interfaces by novel coaxial capillary pendant drop experiments. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 319, 13-20.	4.7	44
26	Separating membrane and surface tension contributions in Pickering droplet deformation. Soft Matter, 2008, 4, 2259.	2.7	44
27	Solvent-filled matrix polyelectrolyte capsules: preparation, structure and dynamics. Soft Matter, 2007, 3, 1293.	2.7	16
28	Elastic Moduli of Asymmetric Ultrathin Free-Standing Polyelectrolyte Nanocomposites. Macromolecules, 2006, 39, 1532-1537.	4.8	39
29	Equilibrium and dynamics of PEO/PPO/PEO penetration into DPPC monolayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 261, 39-48.	4.7	31
30	Ultrathin Free-Standing Polyelectrolyte Nanocomposites:Â A Novel Method for Preparation and Characterization of Assembly Dynamics. Journal of Physical Chemistry B, 2005, 109, 14764-14768.	2.6	37
31	Influence of Shell Structure on Stability, Integrity, and Mesh Size of Polyelectrolyte Capsules:Â Mechanism and Strategy for Improved Preparation. Chemistry of Materials, 2005, 17, 2603-2611.	6.7	76
32	Curvature Effects in the Analysis of Pendant Bubble Data: Comparison of Numerical Solutions, Asymptotic Arguments, and Data. Journal of Colloid and Interface Science, 2001, 241, 154-168.	9.4	30
33	Which surfactants reduce surface tension faster? A scaling argument for diffusion-controlled adsorption. Advances in Colloid and Interface Science, 2000, 85, 61-97.	14.7	187
34	Surface Phase Behavior and Surface Tension Evolution for Lysozyme Adsorption onto Clean Interfaces and into DPPC Monolayers:â€‰ Theory and Experiment. Langmuir, 1998, 14, 1208-1218.	3.5	86