

# Richard A Campbell

## List of Publications by Year in descending order

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109  
papers

3,042  
citations

109264

35  
h-index

197736

49  
g-index

116  
all docs

116  
docs citations

116  
times ranked

2865  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial complexation of a neutral amphiphilic $\alpha$ -tardigrade <sup>TM</sup> co-polymer with a cationic surfactant: Transition from synergy to competition. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1064-1076.	5.0	1
2	Responsive Material and Interfacial Properties through Remote Control of Polyelectrolyte-Surfactant Mixtures. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 4656-4667.	4.0	5
3	The interaction of styrene maleic acid copolymers with phospholipids in Langmuir monolayers, vesicles and nanodiscs; a structural study. <i>Journal of Colloid and Interface Science</i> , 2022, 625, 220-236.	5.0	4
4	Insights into Extended Structures and Their Driving Force: Influence of Salt on Polyelectrolyte/Surfactant Mixtures at the Air/Water Interface. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 27347-27359.	4.0	13
5	Nucleic Acid-Loaded Lipid Nanoparticle Interactions with Model Endosomal Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 30371-30384.	4.0	18
6	Interactions of anticancer drugs doxorubicin and idarubicin with lipid monolayers: New insight into the composition, structure and morphology. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 403-416.	5.0	27
7	Tuneable interfacial surfactant aggregates mimic lyotropic phases and facilitate large scale nanopatterning. <i>Nanoscale</i> , 2021, 13, 371-379.	2.8	3
8	Species-Specific Urothelial Toxicity With an Anti-HIV Ncatalytic Site Integrase Inhibitor (NCINI) Is Related to Unusual pH-Dependent Physicochemical Changes. <i>Toxicological Sciences</i> , 2021, 183, 105-116.	1.4	1
9	First quantitative assessment of the adsorption of a fluorocarbon gas on phospholipid monolayers at the air/water interface. <i>Journal of Colloid and Interface Science</i> , 2021, 593, 1-10.	5.0	10
10	DNA Interaction with a Polyelectrolyte Monolayer at Solution-Air Interface. <i>Polymers</i> , 2021, 13, 2820.	2.0	5
11	Structural elucidation upon binding of antimicrobial peptides into binary mixed lipid monolayers mimicking bacterial membranes. <i>Journal of Colloid and Interface Science</i> , 2021, 598, 193-205.	5.0	9
12	New structural approach to rationalize the foam film stability of oppositely charged polyelectrolyte/surfactant mixtures. <i>Chemical Communications</i> , 2020, 56, 952-955.	2.2	19
13	3D texturing of the air-water interface by biomimetic self-assembly. <i>Nanoscale Horizons</i> , 2020, 5, 839-846.	4.1	6
14	Highly viscoelastic films at the water/air interface: $\beta$ -Cyclodextrin with anionic surfactants. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 601-613.	5.0	14
15	Membrane interactions of antimicrobial peptide-loaded microgels. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 322-332.	5.0	16
16	Synergy, competition, and the $\alpha$ -tardigrade <sup>TM</sup> comb co-polymer layer: Interactions between a neutral amphiphilic $\alpha$ -tardigrade <sup>TM</sup> comb co-polymer with an anionic surfactant at the air-water interface. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 181-194.	5.0	17
17	Manufacturing drug co-loaded liposomal formulations targeting breast cancer: Influence of preparative method on liposomes characteristics and in vitro toxicity. <i>International Journal of Pharmaceutics</i> , 2020, 590, 119926.	2.6	37
18	Design and use of model membranes to study biomolecular interactions using complementary surface-sensitive techniques. <i>Advances in Colloid and Interface Science</i> , 2020, 277, 102118.	7.0	64

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19	Photo-Switchable Surfactants for Responsive Air/Water Interfaces: Azo versus Arylazopyrazole Amphiphiles. <i>Journal of Physical Chemistry B</i> , 2020, 124, 6913-6923.	1.2	17
20	The dynamic properties of PDA-laccase films at the air-water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 599, 124930.	2.3	7
21	Unexpected monolayer-to-bilayer transition of arylazopyrazole surfactants facilitates superior photo-control of fluid interfaces and colloids. <i>Chemical Science</i> , 2020, 11, 2085-2092.	3.7	23
22	The reaction of oleic acid monolayers with gas-phase ozone at the air water interface: the effect of sub-phase viscosity, and inert secondary components. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 28032-28044.	1.3	11
23	Polydopamine layer formation at the liquid/gas interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 579, 123637.	2.3	18
24	Network Formation of DNA/Polyelectrolyte Fibrous Aggregates Adsorbed at the Water/Air Interface. <i>Langmuir</i> , 2019, 35, 13967-13976.	1.6	7
25	$\hat{\Gamma}^2$ -Lactoglobulin Adsorption Layers at the Water/Air Surface: 3. Neutron Reflectometry Study on the Effect of pH. <i>Journal of Physical Chemistry B</i> , 2019, 123, 10877-10889.	1.2	19
26	Dynamic Surface Properties of Mixed Dispersions of Silica Nanoparticles and Lysozyme. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4803-4812.	1.2	4
27	Bayesian determination of the effect of a deep eutectic solvent on the structure of lipid monolayers. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6133-6141.	1.3	9
28	Reflectometry Reveals Accumulation of Surfactant Impurities at Bare Oil/Water Interfaces. <i>Molecules</i> , 2019, 24, 4113.	1.7	10
29	Propofol adsorption at the air/water interface: a combined vibrational sum frequency spectroscopy, nuclear magnetic resonance and neutron reflectometry study. <i>Soft Matter</i> , 2019, 15, 38-46.	1.2	1
30	Fluorophore labeling of a cell-penetrating peptide significantly alters the mode and degree of biomembrane interaction. <i>Scientific Reports</i> , 2018, 8, 6327.	1.6	97
31	Adsorption of Denaturated Lysozyme at the Air/Water Interface: Structure and Morphology. <i>Langmuir</i> , 2018, 34, 5020-5029.	1.6	24
32	Study of the Liquid/Vapor Interfacial Properties of Concentrated Polyelectrolyte/Surfactant Mixtures Using Surface Tensiometry and Neutron Reflectometry: Equilibrium, Adsorption Kinetics, and Dilational Rheology. <i>Journal of Physical Chemistry C</i> , 2018, 122, 4419-4427.	1.5	42
33	Towards understanding the behavior of polyelectrolyte/surfactant mixtures at the water/vapor interface closer to technologically-relevant conditions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1395-1407.	1.3	45
34	Effects of Aggregate Charge and Subphase Ionic Strength on the Properties of Spread Polyelectrolyte/Surfactant Films at the Air/Water Interface under Static and Dynamic Conditions. <i>Langmuir</i> , 2018, 34, 2312-2323.	1.6	44
35	Perdeuteration of cholesterol for neutron scattering applications using recombinant <i>Pichia pastoris</i> . <i>Chemistry and Physics of Lipids</i> , 2018, 212, 80-87.	1.5	27
36	Nighttime oxidation of surfactants at the air/water interface: effects of chain length, head group and saturation. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3249-3268.	1.9	19

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37	Towards optimised drug delivery: structure and composition of testosterone enanthate in sodium dodecyl sulfate monolayers. <i>Soft Matter</i> , 2018, 14, 3135-3150.	1.2	12
38	Interactions between model cell membranes and the neuroactive drug propofol. <i>Journal of Colloid and Interface Science</i> , 2018, 526, 230-243.	5.0	11
39	A Versatile Method for the Distance-Dependent Structural Characterization of Interacting Soft Interfaces by Neutron Reflectometry. <i>Langmuir</i> , 2018, 34, 789-800.	1.6	17
40	Structure of surfactant and phospholipid monolayers at the air/water interface modeled from neutron reflectivity data. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 98-108.	5.0	52
41	Recent advances in resolving kinetic and dynamic processes at the air/water interface using specular neutron reflectometry. <i>Current Opinion in Colloid and Interface Science</i> , 2018, 37, 49-60.	3.4	41
42	Antibody adsorption on the surface of water studied by neutron reflection. <i>MAbs</i> , 2017, 9, 466-475.	2.6	21
43	On the formation of inclusion complexes at the solid/liquid interface of anchored temperature-responsive PNIPAAm diblock copolymers with $\beta$ -cyclodextrin. <i>Colloid and Polymer Science</i> , 2017, 295, 1327-1341.	1.0	5
44	General Physical Description of the Behavior of Oppositely Charged Polyelectrolyte/Surfactant Mixtures at the Air/Water Interface. <i>Langmuir</i> , 2017, 33, 5915-5924.	1.6	72
45	Adsorption versus aggregation of NIPAM nanogels: new insight into their behaviour at the air/water interface as a function of concentration. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17173-17179.	1.3	15
46	Changes to DPPC Domain Structure in the Presence of Carbon Nanoparticles. <i>Langmuir</i> , 2017, 33, 10374-10384.	1.6	28
47	Polymers and surfactants at fluid interfaces studied with specular neutron reflectometry. <i>Advances in Colloid and Interface Science</i> , 2017, 247, 130-148.	7.0	75
48	Influence of Acyl Chain Saturation on the Membrane-Binding Activity of a Short Antimicrobial Peptide. <i>ACS Omega</i> , 2017, 2, 7482-7492.	1.6	28
49	Implications of lipid monolayer charge characteristics on their selective interactions with a short antimicrobial peptide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 150, 308-316.	2.5	41
50	Solvent Extraction: Structure of the Liquid-Liquid Interface Containing a Diamide Ligand. <i>Angewandte Chemie</i> , 2016, 128, 9472-9476.	1.6	7
51	Solvent Extraction: Structure of the Liquid-Liquid Interface Containing a Diamide Ligand. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9326-9330.	7.2	53
52	Micellization of alkyltrimethylammonium bromide surfactants in choline chloride:glycerol deep eutectic solvent. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 33240-33249.	1.3	53
53	Current Frontiers on Liquid-Liquid Interfaces Workshop. <i>Neutron News</i> , 2016, 27, 21-22.	0.1	6
54	Interfacial properties of POPC/GDO liquid crystalline nanoparticles deposited on anionic and cationic silica surfaces. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 26630-26642.	1.3	2

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55	Polyelectrolyte/surfactant films spread from neutral aggregates. <i>Soft Matter</i> , 2016, 12, 5304-5312.	1.2	51
56	Complex Behavior of Aqueous $\beta$ -Cyclodextrin Solutions. Interfacial Morphologies Resulting from Bulk Aggregation. <i>Langmuir</i> , 2016, 32, 6682-6690.	1.6	18
57	Smart nanogels at the air/water interface: structural studies by neutron reflectivity. <i>Nanoscale</i> , 2016, 8, 4951-4960.	2.8	50
58	Complementarity of neutron reflectometry and ellipsometry for the study of atmospheric reactions at the air/water interface. <i>RSC Advances</i> , 2015, 5, 107105-107111.	1.7	11
59	Experimental Approaches and Related Theories. <i>Progress in Colloid and Interface Science</i> , 2015, , 59-82.	0.0	0
60	An improved algorithm for reducing reflectometry data involving divergent beams or non-flat samples. <i>Journal of Applied Crystallography</i> , 2015, 48, 2006-2011.	1.9	37
61	Synergetic effect of sodium polystyrene sulfonate and guanidine hydrochloride on the surface properties of lysozyme solutions. <i>RSC Advances</i> , 2015, 5, 7413-7422.	1.7	14
62	Spread Films of Human Serum Albumin at the Air/Water Interface: Optimization, Morphology, and Durability. <i>Langmuir</i> , 2015, 31, 13535-13542.	1.6	16
63	Surface Adsorption of Oppositely Charged C14TAB-PAMPS Mixtures at the Air/Water Interface and the Impact on Foam Film Stability. <i>Journal of Physical Chemistry B</i> , 2015, 119, 348-358.	1.2	22
64	On the formation of dendrimer/nucleolipids surface films for directed self-assembly. <i>Soft Matter</i> , 2015, 11, 1973-1990.	1.2	9
65	Environmental Pollutant Ozone Causes Damage to Lung Surfactant Protein B (SP-B). <i>Biochemistry</i> , 2015, 54, 5185-5197.	1.2	27
66	Dynamic surface elasticity of mixed poly(diallyldimethylammonium chloride)/sodium dodecyl sulfate/NaCl solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 460, 3-10.	2.3	14
67	Ozonolysis of methyl oleate monolayers at the air/water interface: oxidation kinetics, reaction products and atmospheric implications. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 13220-13228.	1.3	44
68	Molecular recognition of nucleic acids by nucleolipid/dendrimer surface complexes. <i>Soft Matter</i> , 2014, 10, 8401-8405.	1.2	6
69	Human serum albumin binding to silica nanoparticles – effect of protein fatty acid ligand. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10157-10168.	1.3	14
70	Adsorption of Mixtures of Poly(amidoamine) Dendrimers and Sodium Dodecyl Sulfate at the Air/Water Interface. <i>Langmuir</i> , 2014, 30, 5817-5828.	1.6	15
71	Key Factors Regulating the Mass Delivery of Macromolecules to Model Cell Membranes: Gravity and Electrostatics. <i>ACS Macro Letters</i> , 2014, 3, 121-125.	2.3	7
72	Interactions of Small Dendrimers with Sodium Dodecyl Sulfate at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2014, 118, 11835-11848.	1.2	11

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73	Effects of Ionic Strength on the Surface Tension and Nonequilibrium Interfacial Characteristics of Poly(sodium styrenesulfonate)/Dodecyltrimethylammonium Bromide Mixtures. <i>Langmuir</i> , 2014, 30, 4970-4979.	1.6	40
74	Direct Impact of Nonequilibrium Aggregates on the Structure and Morphology of Pdadmac/SDS Layers at the Air/Water Interface. <i>Langmuir</i> , 2014, 30, 8664-8674.	1.6	66
75	New Method to Predict the Surface Tension of Complex Synthetic and Biological Polyelectrolyte/Surfactant Mixtures. <i>Langmuir</i> , 2013, 29, 11554-11559.	1.6	41
76	Degradation and Rearrangement of a Lung Surfactant Lipid at the Air/Water Interface during Exposure to the Pollutant Gas Ozone. <i>Langmuir</i> , 2013, 29, 4594-4602.	1.6	48
77	Effects of bulk aggregation on PEI/SDS monolayers at the dynamic air/liquid interface: depletion due to precipitation versus enrichment by a convection/spreading mechanism. <i>Soft Matter</i> , 2013, 9, 6103.	1.2	46
78	Interactions of PAMAM Dendrimers with SDS at the Solid/Liquid Interface. <i>Langmuir</i> , 2013, 29, 5817-5831.	1.6	18
79	Multilayers at Interfaces of an Oppositely Charged Polyelectrolyte/Surfactant System Resulting from the Transport of Bulk Aggregates under Gravity. <i>Journal of Physical Chemistry B</i> , 2012, 116, 7981-7990.	1.2	40
80	Dynamic Adsorption of Weakly Interacting Polymer/Surfactant Mixtures at the Air/Water Interface. <i>Langmuir</i> , 2012, 28, 12479-12492.	1.6	38
81	In situ neutron reflectometry study of the near-surface solvent concentration profile during solution casting. <i>Soft Matter</i> , 2011, 7, 6648.	1.2	11
82	Growth-collapse mechanism of PEI-CTAB films at the air/water interface. <i>Soft Matter</i> , 2011, 7, 11125.	1.2	13
83	Effects of Bulk Colloidal Stability on Adsorption Layers of Poly(diallyldimethylammonium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 <i>Journal of Physical Chemistry B</i> , 2011, 115, 15202-15213.	1.2	57
84	Adsorption of Sophorolipid Biosurfactants on Their Own and Mixed with Sodium Dodecyl Benzene Sulfonate, at the Air/Water Interface. <i>Langmuir</i> , 2011, 27, 8854-8866.	1.6	46
85	Structure of DNA/Cationic Surfactant Complexes at Hydrophobically Modified and Hydrophilic Silica Surfaces as Revealed by Neutron Reflectometry. <i>Langmuir</i> , 2011, 27, 12506-12514.	1.6	12
86	Adsorption Behavior of Hydrophobin and Hydrophobin/Surfactant Mixtures at the Air/Water Interface. <i>Langmuir</i> , 2011, 27, 11316-11323.	1.6	45
87	FIGARO: The new horizontal neutron reflectometer at the ILL. <i>European Physical Journal Plus</i> , 2011, 126, 1.	1.2	201
88	New Perspective on the Cliff Edge Peak in the Surface Tension of Oppositely Charged Polyelectrolyte/Surfactant Mixtures. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 3021-3026.	2.1	61
89	Scientific Highlights from FIGARO's First Year. <i>Neutron News</i> , 2010, 21, 19-21.	0.1	0
90	On the Ability of PAMAM Dendrimers and Dendrimer/DNA Aggregates To Penetrate POPC Model Biomembranes. <i>Journal of Physical Chemistry B</i> , 2010, 114, 7229-7244.	1.2	53

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91	Interactions between DNA and Poly(amido amine) Dendrimers on Silica Surfaces. <i>Langmuir</i> , 2010, 26, 8625-8635.	1.6	35
92	Nanostructure of the protein-nanoparticle corona; an indicator of toxicity?. , 2010, , .		2
93	News and Report. <i>Neutron News</i> , 2009, 20, 40-40.	0.1	1
94	Adsorption of Intact Cubic Liquid Crystalline Nanoparticles on Hydrophilic Surfaces: Lateral Organization, Interfacial Stability, Layer Structure, and Interaction Mechanism. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4483-4494.	1.5	20
95	Neutron Reflectivity Studies of the Interaction of Cubic-Phase Nanoparticles with Phospholipid Bilayers of Different Coverage. <i>Langmuir</i> , 2009, 25, 4009-4020.	1.6	51
96	Effects of Aggregates on Mixed Adsorption Layers of Poly(ethylene imine) and Sodium Dodecyl Sulfate at the Air/Liquid Interface. <i>Langmuir</i> , 2009, 25, 4036-4046.	1.6	55
97	Interaction of sodium dodecyl sulfate and high charge density comb polymers at the silica/water interface. <i>Soft Matter</i> , 2009, 5, 3646.	1.2	10
98	Neutron reflectometry to investigate the delivery of lipids and DNA to interfaces (Review). <i>Biointerphases</i> , 2008, 3, FB64-FB82.	0.6	22
99	Adsorption of cubic liquid crystalline nanoparticles on model membranes. <i>Soft Matter</i> , 2008, 4, 2267.	1.2	56
100	Novel evaluation method of neutron reflectivity data applied to stimulus-responsive polymer brushes. <i>Soft Matter</i> , 2008, 4, 500.	1.2	21
101	Determinants for Membrane Fusion Induced by Cholesterol-Modified DNA Zippers. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8264-8274.	1.2	112
102	Competitive Adsorption of Neutral Comb Polymers and Sodium Dodecyl Sulfate at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2008, 112, 7410-7419.	1.2	14
103	Dynamics of Adsorption of an Oppositely Charged Polymer-Surfactant Mixture at the Air-Water Interface: Poly(dimethyldiallylammonium chloride) and Sodium Dodecyl Sulfate. <i>Langmuir</i> , 2007, 23, 3242-3253.	1.6	42
104	Adsorption Kinetics in Binary Surfactant Mixtures Studied with External Reflection FTIR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8757-8774.	1.5	27
105	External Reflection Fourier Transform Infrared Spectroscopy of Surfactants at the Air-Water Interface: Separation of Bulk and Adsorbed Surfactant Signals. <i>Applied Spectroscopy</i> , 2005, 59, 993-1001.	1.2	8
106	External-reflection FT-IR spectroscopy of C10E8 at an expanding water surface. <i>Vibrational Spectroscopy</i> , 2004, 35, 205-211.	1.2	11
107	Adsorption kinetics of ammonium perfluorononanoate at the air-water interface. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 5061-5065.	1.3	20
108	External Reflection FTIR Spectroscopy of the Cationic Surfactant Hexadecyltrimethylammonium Bromide (CTAB) on an Overflowing Cylinder. <i>Langmuir</i> , 2004, 20, 8740-8753.	1.6	74

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109	Measurement of the Dynamic Surface Excess of the Nonionic Surfactant C8E4OMe by Neutron Reflection and Ellipsometry. Langmuir, 2003, 19, 5960-5962.	1.6	19