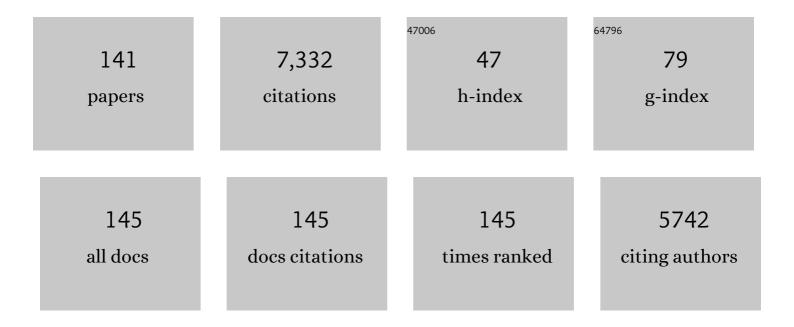
Richard K Heenan

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Aggregation Behavior of Aqueous Solutions of Ionic Liquids. Langmuir, 2004, 20, 2191-2198.	3.5	653
2	Ionic Liquid-in-Oil Microemulsions. Journal of the American Chemical Society, 2005, 127, 7302-7303.	13.7	371
3	Structural studies of the phase, aggregation and surface behaviour of 1-alkyl-3-methylimidazolium halide + water mixtures. Journal of Colloid and Interface Science, 2007, 307, 455-468.	9.4	287
4	What Is So Special about Aerosol-OT? 2. Microemulsion Systemsâ€. Langmuir, 2000, 16, 8741-8748.	3.5	189
5	Magnetic Control over Liquid Surface Properties with Responsive Surfactants. Angewandte Chemie - International Edition, 2012, 51, 2414-2416.	13.8	181
6	Micellization of Hydrocarbon Surfactants in Supercritical Carbon Dioxide. Journal of the American Chemical Society, 2001, 123, 988-989.	13.7	167
7	Variation of surfactant counterion and its effect on the structure and properties of Aerosol-OT-based water-in-oil microemulsions. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 461.	1.7	164
8	Anionic Surfactants and Surfactant Ionic Liquids with Quaternary Ammonium Counterions. Langmuir, 2011, 27, 4563-4571.	3.5	145
9	A photo-responsive organogel. Chemical Communications, 2004, , 2608-2609.	4.1	133
10	Water-in-CO2Microemulsions Studied by Small-Angle Neutron Scattering. Langmuir, 1997, 13, 6980-6984.	3.5	131
11	Structures of metal bis(2-ethylhexylsulfosuccinate) aggregates in cyclohexane. The Journal of Physical Chemistry, 1993, 97, 1459-1463.	2.9	128
12	Droplet Structure in a Water-in-CO2 Microemulsion. Langmuir, 1996, 12, 1423-1424.	3.5	110
13	Designed CO2-Philes Stabilize Water-in-Carbon Dioxide Microemulsions. Angewandte Chemie - International Edition, 2006, 45, 3675-3677.	13.8	109
14	Properties of a Stilbene-Containing Gemini Photosurfactant:  Light-Triggered Changes in Surface Tension and Aggregation. Langmuir, 2002, 18, 7837-7844.	3.5	104
15	Nanoemulsions Prepared by a Two-Step Low-Energy Process. Langmuir, 2008, 24, 6092-6099.	3.5	92
16	Fluoro-surfactants at air/water and water/CO2 interfaces. Physical Chemistry Chemical Physics, 2000, 2, 5235-5242.	2.8	90
17	Rod-Like Micelles Thicken CO ₂ . Langmuir, 2010, 26, 83-88.	3.5	83
18	Universal Surfactant for Water, Oils, and CO ₂ . Langmuir, 2010, 26, 13861-13866.	3.5	83

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19	Electron diffraction studies of supersonic jets. IV. Conformational cooling of nâ€butane. Journal of Chemical Physics, 1983, 78, 1270-1274.	3.0	81
20	Scalable Method for the Reductive Dissolution, Purification, and Separation of Single-Walled Carbon Nanotubes. ACS Nano, 2012, 6, 54-62.	14.6	81
21	Small-Angle Scattering Studies of Sodium Dodecyl Sulfate Interactions with Gelatin. 1. Langmuir, 1995, 11, 744-749.	3.5	80
22	Interfacial Compositions and Phase Structures in Mixed Surfactant Microemulsions. Langmuir, 1999, 15, 5271-5278.	3.5	77
23	Formation and stability of nanoemulsions with mixed ionic–nonionic surfactants. Physical Chemistry Chemical Physics, 2009, 11, 9772.	2.8	75
24	Solubilisation of C60 in aqueous micellar solution. Journal of the Chemical Society Chemical Communications, 1994, , 173.	2.0	71
25	Properties of New Glucamide Surfactants. Langmuir, 1996, 12, 2701-2705.	3.5	71
26	Polymerization of Cationic Surfactant Phases. Langmuir, 2001, 17, 5388-5397.	3.5	68
27	Structure and stability of microemulsion-based organo-gels. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 3389.	1.7	63
28	Design principles for supercritical CO2 viscosifiers. Soft Matter, 2012, 8, 7044.	2.7	63
29	Triâ€Chain Hydrocarbon Surfactants as Designed Micellar Modifiers for Supercritical CO ₂ . Angewandte Chemie - International Edition, 2009, 48, 4993-4995.	13.8	62
30	Water-in-oil microemulsions formed by ammonium and tetrapropylammonium salts of Aerosol OT. Langmuir, 1993, 9, 2820-2824.	3.5	61
31	Adsorption and micellisation of partially- and fully-fluorinated surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 156, 33-48.	4.7	61
32	Structure of microemulsion-based organo-gels. Journal of the Chemical Society Chemical Communications, 1989, , 1807.	2.0	60
33	Structure and photophysics in C60-micellar solutions. Chemical Physics Letters, 1995, 245, 571-577.	2.6	60
34	Mixing of Alkanes with Surfactant Monolayers in Microemulsions. Langmuir, 1996, 12, 3876-3880.	3.5	60
35	Light-Sensitive Microemulsions. Langmuir, 2004, 20, 1120-1125.	3.5	60
36	Structure and Morphology of Charged Graphene Platelets in Solution by Small-Angle Neutron Scattering. Journal of the American Chemical Society, 2012, 134, 8302-8305.	13.7	60

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37	Photoresponsive Microemulsions. Langmuir, 2003, 19, 6579-6581.	3.5	59
38	Effect of Solvent Quality on Aggregate Structures of Common Surfactants. Langmuir, 2008, 24, 12235-12240.	3.5	59
39	Neutron Scattering from a Poly(oxyethylene)â^'Poly(oxypropylene)â^'Poly(oxyethylene) Copolymer in Dilute Aqueous Solution under Shear Flow. Macromolecules, 1997, 30, 6215-6222.	4.8	56
40	Low Fluorine Content CO ₂ -philic Surfactants. Langmuir, 2011, 27, 10562-10569.	3.5	56
41	Hybrid CO ₂ -philic Surfactants with Low Fluorine Content. Langmuir, 2012, 28, 6299-6306.	3.5	56
42	Structure of Reversed Micelles Formed by Metal Salts of Bis(ethylhexyl) Phosphoric Acid. Langmuir, 1996, 12, 1483-1489.	3.5	55
43	Precipitation processes in the Beta-Titanium alloy Ti–5Al–5Mo–5V–3Cr. Journal of Alloys and Compounds, 2015, 646, 946-953.	5.5	54
44	Super-Efficient Surfactant for Stabilizing Water-in-Carbon Dioxide Microemulsions. Langmuir, 2011, 27, 5772-5780.	3.5	52
45	Nanoprecipitation in a beta-titanium alloy. Journal of Alloys and Compounds, 2015, 623, 146-156.	5.5	50
46	Hybrid Fluorocarbonâ^'Hydrocarbon CO2-philic Surfactants. 2. Formation and Properties of Water-in-CO2Microemulsions. Langmuir, 2004, 20, 9960-9967.	3.5	49
47	Surface and Aggregation Behavior of Aqueous Solutions of Ru(II) Metallosurfactants: 1. Micellization of [Ru(bipy)2(bipyâ€~)][Cl]2Complexes. Langmuir, 2003, 19, 292-298.	3.5	47
48	Reversible light-induced critical separation. Soft Matter, 2009, 5, 78-80.	2.7	47
49	Dynamic Surface Tensions and Micelle Structures of Dichained Phosphatidylcholine Surfactant Solutions. Langmuir, 1998, 14, 5719-5724.	3.5	46
50	Water-induced structural changes within the L2phase of didodecyldimethylammonium bromide–cyclohexane–water systems. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 487-492.	1.7	45
51	Hybrid Fluorocarbonâ~'Hydrocarbon CO2-philic Surfactants. 1. Synthesis and Properties of Aqueous Solutions. Langmuir, 2004, 20, 9953-9959.	3.5	45
52	Compositions of Mixed Surfactant Layers in Microemulsions Determined by Small-Angle Neutron Scattering. Langmuir, 2003, 19, 2560-2567.	3.5	43
53	Phosphate Surfactants for Water-in-CO2Microemulsions. Langmuir, 2001, 17, 7948-7950.	3.5	42
54	Amphiphilogels for Drug Delivery: Formulation and Characterization. Pharmaceutical Research, 2004, 21, 1852-1861.	3.5	42

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55	What Is So Special about Aerosol-OT? Part IV. Phenyl-Tipped Surfactants. Langmuir, 2005, 21, 10021-10027.	3.5	42
56	Locus-Specific Microemulsion Catalysts for Sulfur Mustard (HD) Chemical Warfare Agent Decontamination. Journal of the American Chemical Society, 2009, 131, 9746-9755.	13.7	41
57	Separation and Purification of Nanoparticles in a Single Step. Langmuir, 2010, 26, 6989-6994.	3.5	41
58	Location of the Outer Shell and Influence of pH on Carboxylic Acid-Functionalized Poly(propyleneimine) Dendrimers. Macromolecules, 2001, 34, 8380-8383.	4.8	39
59	Stabilization of Distearoylphosphatidylcholine Lamellar Phases in Propylene Glycol Using Cholesterol. Molecular Pharmaceutics, 2013, 10, 4408-4417.	4.6	39
60	Shear aligned lecithin reverse micelles: a small-angle neutron scattering study of the anomalous water-induced micellar growth. Langmuir, 1990, 6, 1800-1803.	3.5	38
61	Surface and Aggregation Behavior of Aqueous Solutions of Ru(II) Metallosurfactants:Â 4. Effect of Chain Number and Orientation on the Aggregation of [Ru(bipy)2(bipyâ€`)]Cl2Complexes. Langmuir, 2005, 21, 5696-5706.	3.5	38
62	SANS studies of the effects of surfactant head group on aggregation properties in water/glycol and pure glycol systems. Journal of Colloid and Interface Science, 2007, 315, 714-720.	9.4	38
63	What Is So Special about Aerosol-OT? Part IIIGlutaconate versus Sulfosuccinate Headgroups and Oilâ^'Water Interfacial Tensions. Langmuir, 2002, 18, 1505-1510.	3.5	37
64	Micellization of economically viable surfactants in CO2. Journal of Colloid and Interface Science, 2003, 258, 367-373.	9.4	37
65	Generation of metal oxide nanoparticles in optimised microemulsions. Journal of Colloid and Interface Science, 2007, 312, 68-75.	9.4	37
66	Mixing in cationic surfactant films studied by small-angle neutron scattering. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 2143-2150.	1.7	36
67	Controlling Aggregation of Nonionic Surfactants Using Mixed Glycol Media. Langmuir, 2007, 23, 4199-4202.	3.5	36
68	PGSE-NMR and SANS Studies of the Interaction of Model Polymer Therapeutics with Mucin. Biomacromolecules, 2010, 11, 120-125.	5.4	36
69	Micelles of asymmetric chain catanionic surfactants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 117, 215-225.	4.7	35
70	Pore Size Engineering in Mesoporous Silicas Using Supercritical CO2. Langmuir, 2005, 21, 4163-4167.	3.5	35
71	Structure of Block Copolymers Adsorbed to Perfluorocarbon Emulsions. The Journal of Physical Chemistry, 1996, 100, 7603-7609.	2.9	33
72	Structure in microemulsions of di-chained surfactants. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 65.	1.7	33

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73	Photoreactive Surfactants: A Facile and Clean Route to Oxide and Metal Nanoparticles in Reverse Micelles. Langmuir, 2011, 27, 9277-9284.	3.5	33
74	Pressure-induced structural changes in water-in-propane microemulsions. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 3121.	1.7	31
75	Amphiphiles for supercritical CO2. Biochimie, 2012, 94, 94-100.	2.6	31
76	Electron diffraction studies of supersonic jets. I. Apparatus and methods. Journal of Chemical Physics, 1983, 78, 236-242.	3.0	30
77	Microemulsion-based gels: A small-angle neutron scattering study. Chemical Physics Letters, 1988, 151, 494-498.	2.6	30
78	Small-angle neutron scattering studies of sodium dodecyl sulfate interactions with gelatin. Part 2.—Effect of temperature and pH. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 595-599.	1.7	29
79	Fluorosurfactants at Structural Extremes:Â Adsorption and Aggregation. Langmuir, 2006, 22, 2034-2038.	3.5	29
80	Electron diffraction studies of supersonic jets. II. Formation of benzene clusters. Journal of Chemical Physics, 1983, 78, 243-248.	3.0	28
81	Effect of Counterion Radius on Surfactant Properties in Winsor II Microemulsion Systems. Langmuir, 1994, 10, 1650-1653.	3.5	28
82	Microemulsions with Didodecyldimethylammonium Bromide Studied by Neutron Contrast Variation. Journal of Colloid and Interface Science, 1997, 190, 449-455.	9.4	28
83	Nanostructures in Water-in-CO ₂ Microemulsions Stabilized by Double-Chain Fluorocarbon Solubilizers. Langmuir, 2013, 29, 7618-7628.	3.5	28
84	Photoinduced Phase Separation. Journal of the American Chemical Society, 2006, 128, 1468-1469.	13.7	27
85	Photodestructible Vesicles. Langmuir, 2006, 22, 851-853.	3.5	27
86	Structure of cobalt Aerosol-OT reversed micelles studied by small-angle scattering methods. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 2497.	1.7	26
87	Preparation of colloidal cobalt using reversed micelles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 119, 123-131.	4.7	26
88	Ammonium Bis(ethylhexyl) Phosphate:  A New Surfactant for Microemulsions. Langmuir, 1996, 12, 5312-5318.	3.5	25
89	Physicochemical Characterization of Thermoresponsive Poly(N-isopropylacrylamide)â^'poly(ethylene) Tj ETQq1	1 0.784314 5.4	4 rgBT /Overlo
90	Interaction between Surfactants and Colloidal Latexes in Nonpolar Solvents Studied Using	3.5	25

#	Article	IF	CITATIONS
91	Poly(butyl methacrylate-g-methoxypoly(ethylene glycol)) and poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 2 properties. Journal of Colloid and Interface Science, 2003, 262, 548-559.	10 Tf 50 7 9.4	247 Td (metha 24
92	Control over Microemulsions with Solvent Blends. Langmuir, 2009, 25, 2743-2748.	3.5	24
93	Learning about SANS instruments and data reduction from round robin measurements on samples of polystyrene latex. Journal of Applied Crystallography, 2013, 46, 1289-1297.	4.5	24
94	Revealing the Hidden Details of Nanostructure in a Pharmaceutical Cream. Scientific Reports, 2020, 10, 4082.	3.3	24
95	Structure–property relationships in metallosurfactants. Soft Matter, 2010, 6, 1981.	2.7	22
96	Control over Phase Curvature Using Mixtures of Polymerizable Surfactants. Chemistry of Materials, 2000, 12, 3533-3537.	6.7	21
97	Microemulsion Formation in 1,1,1,2-Tetrafluoroethane (R134a). Langmuir, 2003, 19, 8715-8720.	3.5	21
98	Testing the Scaling Behavior of Microemulsionâ 'Polymer Mixtures. Langmuir, 2009, 25, 3944-3952.	3.5	21
99	The interfacial structure of polymeric surfactant stabilised air-in-water foams. Soft Matter, 2014, 10, 3003-3008.	2.7	21
100	Rigidities of Cationic Surfactant Films in Microemulsions. Journal of Physical Chemistry B, 1997, 101, 944-948.	2.6	20
101	Small-Angle Neutron-Scattering Studies on the Nature of the Incorporation of Polar Oils into Aggregates ofN,N-Dimethyldodecylamine-N-oxide. Langmuir, 2000, 16, 10398-10403.	3.5	20
102	UV Causes Dramatic Changes in Aggregation with Mixtures of Photoactive and Inert Surfactants. Langmuir, 2004, 20, 6120-6126.	3.5	20
103	Photo-stabilised microemulsions. Chemical Communications, 2005, , 2785.	4.1	20
104	Small-Angle Neutron Scattering Study of Microemulsionâ^'Polymer Mixtures in the Protein Limit. Langmuir, 2008, 24, 3053-3060.	3.5	20
105	Effect of Fluorocarbon and Hydrocarbon Chain Lengths in Hybrid Surfactants for Supercritical CO ₂ . Langmuir, 2015, 31, 7479-7487.	3.5	20
106	Retention of Structure in Microemulsion Polymerization:Â Formation of Nanolatices. Langmuir, 2004, 20, 3509-3512.	3.5	19
107	Microemulsion-based organogels containing inorganic nanoparticles. Soft Matter, 2010, 6, 1291.	2.7	19
108	Droplet Structure in Phosphocholine Microemulsions. Langmuir, 1997, 13, 2490-2493.	3.5	18

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109	Formation of Surfactant-Stabilized Silica Organosols. Langmuir, 2008, 24, 12793-12797.	3.5	18
110	Assembly of small molecule surfactants at highly dynamic air–water interfaces. Soft Matter, 2017, 13, 8807-8815.	2.7	18
111	Polymerization of Styrene in DODAB Vesicles:Â A Small-Angle Neutron Scattering Study. Langmuir, 2002, 18, 2873-2879.	3.5	17
112	Derivatizing weak polyelectrolytes—Solution properties, self-aggregation, and association with anionic surfaces of hydrophobically modified poly(ethylene imine). Journal of Colloid and Interface Science, 2007, 314, 460-469.	9.4	16
113	Surfactant Aggregation in CO ₂ /Heptane Solvent Mixtures. Langmuir, 2009, 25, 12909-12913.	3.5	16
114	Hydrocarbon Metallosurfactants for CO ₂ . Langmuir, 2010, 26, 4732-4737.	3.5	16
115	Electron diffraction studies of supersonic jets. III. Clusters of nâ€butane. Journal of Chemical Physics, 1983, 78, 1265-1269.	3.0	15
116	Oligo- and polyethylene glycols in water-in-oil microemulsions. A SANS study. Physical Chemistry Chemical Physics, 1999, 1, 2521-2525.	2.8	15
117	Photosensitive gelatin. Chemical Communications, 2006, , 4407.	4.1	15
118	Puroindoline-a, a lipid binding protein from common wheat, spontaneously forms prolate protein micelles in solution. Physical Chemistry Chemical Physics, 2011, 13, 8881.	2.8	15
119	Lamellar Aggregates in the L2 Phase of a Nonionic Silicone Surfactant (L77-OH). Langmuir, 1994, 10, 2213-2218.	3.5	14
120	Effects of Structure Variation on Solution Properties of Hydrotropes: Phenyl versus Cyclohexyl Chain Tips. Langmuir, 2012, 28, 9332-9340.	3.5	13
121	A study of temperature-induced aggregation of responsive comb copolymers in aqueous solution. Physical Chemistry Chemical Physics, 2003, 5, 2417-2423.	2.8	12
122	Scaling the Structure Factors of Protein Limit Colloidâ^'Polymer Mixtures. Langmuir, 2010, 26, 1630-1634.	3.5	12
123	Films of di-chained surfactants in microemulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1997, 128, 209-215.	4.7	11
124	A small-angle neutron scattering study of biologically relevant mixed surfactant micelles comprising 1,2-diheptanoyl-sn-phosphatidylcholine and sodium dodecyl sulfate or dodecyltrimethylammonium bromide. Soft Matter, 2005, 1, 152.	2.7	11
125	Surface and micelle properties of novel multi-dentate surfactants. Journal of Colloid and Interface Science, 2007, 314, 707-711.	9.4	11
126	An Investigation into Creep Cavity Development in 316H Stainless Steel. Metals, 2019, 9, 318.	2.3	11

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127	Stabilization of CeO2 nanoparticles in a CO2 rich solvent. Chemical Communications, 2008, , 5628.	4.1	10
128	Structure of a large colloidal crystal – controlling orientation and three-dimensional order. RSC Advances, 2012, 2, 7091.	3.6	10
129	Fluorinated microemulsions as reaction media for fluorous nanoparticles. Soft Matter, 2010, 6, 971.	2.7	9
130	Segregation versus Interdigitation in Highly Dynamic Polymer/Surfactant Layers. Polymers, 2019, 11, 109.	4.5	9
131	Polymerization of Cationic Surfactant Films in Microemulsions. Journal of Dispersion Science and Technology, 2001, 22, 597-607.	2.4	7
132	Neutron reflection and small-angle neutron scattering studies of a fluorocarbon telomer surfactant. Journal of Colloid and Interface Science, 2003, 261, 184-190.	9.4	7
133	Supercritical Fluid Swelling of Liquid Crystal Films. Langmuir, 2008, 24, 6959-6964.	3.5	7
134	Fluorocarbon–hydrocarbon incompatibility in micellar polymerizations. Journal of Colloid and Interface Science, 2009, 330, 437-442.	9.4	7
135	The Influence of Co-Surfactants on Lamellar Liquid Crystal Structures Formed in Creams. Pharmaceutics, 2020, 12, 864.	4.5	7
136	Swelling of Ionic and Nonionic Surfactant Micelles by High Pressure Gases. Langmuir, 2010, 26, 7725-7731.	3.5	5
137	Supramolecular architecture of a multi-component biomimetic lipid barrier formulation. Journal of Colloid and Interface Science, 2021, 587, 597-612.	9.4	5
138	A contrast variation small-angle scattering study of the microstructure of 2,5-dimethyl-7-hydroxy-2,5-diazaheptadecane–toluene–butanol oil-in-water metallomicroemulsions. Soft Matter, 2010, 6, 2552.	2.7	2
139	Small-angle neutron scattering from non-crystalline materials on a pulsed neutron source. Journal of Non-Crystalline Solids, 1992, 150, 153-156.	3.1	1
140	Understanding Colicin N Import into Gram Negative Bacterial Cells using Small Angle Neutron Scattering. Biophysical Journal, 2014, 106, 255a.	0.5	1
141	Additions and Corrections. Effect of Counterion Radius on Surfactant Properties in Winsor II Microemulsion Systems. Langmuir, 1994, 10, 3918-3918.	3.5	0