Sarah E Rogers

List of Publications by Citations

95 papers	2,251 citations	27 h-index	43 g-index
100 ext. papers	2,790 ext. citations	6.5 avg, IF	5.16 L-index

#	Paper	IF	Citations
95	Membrane targeting cationic antimicrobial peptides. *Journal of Colloid and Interface Science*, **2019**, 537, 163-185	9.3	130
94	Anionic surfactants and surfactant ionic liquids with quaternary ammonium counterions. *Langmuir*, **2011**, 27, 4563-71	4	121
93	Designed CO2-philes stabilize water-in-carbon dioxide microemulsions. *Angewandte Chemie - International Edition*, **2006**, 45, 3675-7	16.4	102
92	Structure of Sodium Carboxymethyl Cellulose Aqueous Solutions: A SANS and Rheology Study. *Journal of Polymer Science, Part B: Polymer Physics*, **2015**, 53, 492-501	2.6	98
91	Reversible Thermoresponsive Peptide-PNIPAM Hydrogels for Controlled Drug Delivery. *Biomacromolecules*, **2019**, 20, 3601-3610	6.9	79
90	Universal surfactant for water, oils, and CO2. *Langmuir*, **2010**, 26, 13861-6	4	76
89	Drying Affects the Fiber Network in Low Molecular Weight Hydrogels. *Biomacromolecules*, **2017**, 18, 3531-3540	6.3	69
88	POx as an Alternative to PEG? A Hydrodynamic and Light Scattering Study. *Macromolecules*, **2018**, 51, 1905-1916	5.5	64
87	On the role of specific interactions in the diffusion of nanoparticles in aqueous polymer solutions. *Langmuir*, **2014**, 30, 308-17	4	63
86	Enhanced dispersion of multiwall carbon nanotubes in natural rubber latex nanocomposites by surfactants bearing phenyl groups. *Journal of Colloid and Interface Science*, **2015**, 455, 179-87	9.3	63
85	Inhaled Solid Lipid Microparticles to target alveolar macrophages for tuberculosis. *International Journal of Pharmaceutics*, **2014**, 462, 74-82	6.5	60
84	Nanosegregation and Structuring in the Bulk and at the Surface of Ionic-Liquid Mixtures. *Journal of Physical Chemistry B*, **2017**, 121, 6002-6020	3.4	56
83	Low-surface energy surfactants with branched hydrocarbon architectures. *Langmuir*, **2014**, 30, 3413-21	4	53
82	Hybrid CO2-philic surfactants with low fluorine content. *Langmuir*, **2012**, 28, 6299-306	4	52
81	Super-efficient surfactant for stabilizing water-in-carbon dioxide microemulsions. *Langmuir*, **2011**, 27, 5772-80	4	50
80	Pluronic F127 thermosensitive injectable smart hydrogels for controlled drug delivery system development. *Journal of Colloid and Interface Science*, **2020**, 565, 119-130	9.3	49
79	Hyperbranched hydrocarbon surfactants give fluorocarbon-like low surface energies. *Langmuir*, **2014**, 30, 6057-63	4	45

78	Surface engineering of Solid Lipid Nanoparticle assemblies by methyl □-d-mannopyranoside for the active targeting to macrophages in anti-tuberculosis inhalation therapy. *International Journal of Pharmaceutics*, **2017**, 528, 440-451	6.5	33
77	Solid Lipid Nanoparticle assemblies (SLNas) for an anti-TB inhalation treatment-A Design of Experiments approach to investigate the influence of pre-freezing conditions on the powder respirability. *International Journal of Pharmaceutics*, **2016**, 511, 669-679	6.5	32
76	Probing the Dynamic Nature of Self-Assembling Cyclic Peptide□Polymer Nanotubes in Solution and in Mammalian Cells. *Advanced Functional Materials*, **2018**, 28, 1704569	15.6	32
75	Controlling the Diameters of Nanotubes Self-Assembled from Designed Peptide Bolaphiles. *Small*, **2018**, 14, e1703216	11	31
74	Rational design of aromatic surfactants for graphene/natural rubber latex nanocomposites with enhanced electrical conductivity. *Journal of Colloid and Interface Science*, **2018**, 516, 34-47	9.3	31
73	Preparation of multiwall carbon nanotubes (MWCNTs) stabilised by highly branched hydrocarbon surfactants and dispersed in natural rubber latex nanocomposites. *Colloid and Polymer Science*, **2014**, 292, 3013-3023	2.4	30
72	Graphene-philic surfactants for nanocomposites in latex technology. *Advances in Colloid and Interface Science*, **2016**, 230, 54-69	14.3	28
71	Influence of molecular structure on the size, shape, and nanostructure of nonionic C(n)E(m) surfactant micelles. *Journal of Physical Chemistry B*, **2014**, 118, 179-88	3.4	28
70	Exploring the bulk-phase structure of ionic liquid mixtures using small-angle neutron scattering. *Faraday Discussions*, **2018**, 206, 265-289	3.6	28
69	Hydrodynamic Analysis Resolves the Pharmaceutically-Relevant Absolute Molar Mass and Solution Properties of Synthetic Poly(ethylene glycol)s Created by Varying Initiation Sites. *Analytical Chemistry*, **2017**, 89, 1185-1193	7.8	27
68	Surface and bulk properties of surfactants used in fire-fighting. *Journal of Colloid and Interface Science*, **2018**, 530, 686-694	9.3	27
67	Nasal administration of nanoencapsulated geraniol/ursodeoxycholic acid conjugate: Towards a new approach for the management of Parkinson's disease. *Journal of Controlled Release*, **2020**, 321, 540-552	11.7	26
66	Effective and efficient surfactant for CO2 having only short fluorocarbon chains. *Langmuir*, **2012**, 28, 10988-96	4	26
65	Unexpected adsorption behavior of nonionic surfactants from glycol solvents. *Langmuir*, **2006**, 22, 11187-92	4	26
64	Newly synthesized surfactants for surface mannosylation of respirable SLN assemblies to target macrophages in tuberculosis therapy. *Drug Delivery and Translational Research*, **2019**, 9, 298-310	6.2	25
63	Opening a Can of Worm(-like Micelle)s: The Effect of Temperature of Solutions of Functionalized Dipeptides. *Angewandte Chemie*, **2017**, 129, 10603-10606	3.6	23
62	Using chirality to influence supramolecular gelation. *Chemical Science*, **2019**, 10, 7801-7806	9.4	22
61	Structural Features of Micelles of Zwitterionic Dodecyl-phosphocholine (C□C) Surfactants Studied by Small-Angle Neutron Scattering. *Langmuir*, **2015**, 31, 9781-9	4	22

60	In Vivo Biodistribution of Respirable Solid Lipid Nanoparticles Surface-Decorated with a Mannose-Based Surfactant: A Promising Tool for Pulmonary Tuberculosis Treatment?. *Nanomaterials*, **2020**, 10,	5.4	21
59	What happens when pesticides are solubilized in nonionic surfactant micelles. *Journal of Colloid and Interface Science*, **2019**, 541, 175-182	9.3	21
58	Soybean oleosomes studied by small angle neutron scattering (SANS). *Journal of Colloid and Interface Science*, **2018**, 529, 197-204	9.3	20
57	Gastroretentive montmorillonite-tetracycline nanoclay for the treatment of Helicobacter pylori infection. *International Journal of Pharmaceutics*, **2015**, 493, 295-304	6.5	19
56	Systematic study of the structural parameters affecting the self-assembly of cyclic peptide-poly(ethylene glycol) conjugates. *Soft Matter*, **2018**, 14, 6320-6326	3.6	19
55	Self-Assembled Lipid Nanoparticles for Oral Delivery of Heparin-Coated Iron Oxide Nanoparticles for Theranostic Purposes. *Molecules*, **2017**, 22,	4.8	16
54	Structural effects of the dispersing agent polysorbate 80 on liquid crystalline nanoparticles of soy phosphatidylcholine and glycerol dioleate. *Soft Matter*, **2015**, 11, 1140-50	3.6	15
53	An addressable packing parameter approach for reversibly tuning the assembly of oligo(aniline)-based supra-amphiphiles. *Chemical Science*, **2018**, 9, 4392-4401	9.4	15
52	Economical and Efficient Hybrid Surfactant with Low Fluorine Content for the Stabilisation of Water-in-CO2 Microemulsions. *Journal of Supercritical Fluids*, **2015**, 98, 127-136	4.2	15
51	Synthesis and electrokinetics of cationic spherical nanoparticles in salt-free non-polar media. *Chemical Science*, **2018**, 9, 922-934	9.4	15
50	Enhanced anti-hyperproliferative activity of human thymidylate synthase inhibitor peptide by solid lipid nanoparticle delivery. *Colloids and Surfaces B: Biointerfaces*, **2015**, 136, 346-54	6	14
49	Bile salt-coating modulates the macrophage uptake of nanocores constituted by a zidovudine prodrug and enhances its nose-to-brain delivery. *European Journal of Pharmaceutics and Biopharmaceutics*, **2019**, 144, 91-100	5.7	14
48	In vivo penetration of bare and lipid-coated silica nanoparticles across the human stratum corneum. *Colloids and Surfaces B: Biointerfaces*, **2014**, 122, 653-661	6	14
47	Aggregated Amphiphilic Antimicrobial Peptides Embedded in Bacterial Membranes. *ACS Applied Materials & Interfaces*, **2020**, 12, 44420-44432	9.5	14
46	Interfacial properties of lipid sponge-like nanoparticles and the role of stabilizer on particle structure and surface interactions. *Soft Matter*, **2019**, 15, 2178-2189	3.6	13
45	Structure and characterisation of hydroxyethylcellulose-silica nanoparticles.. *RSC Advances*, **2018**, 8, 6471-6478	3.6	13
44	PMMA--OEtOx Graft Copolymers: Influence of Grafting Degree and Side Chain Length on the Conformation in Aqueous Solution. *Materials*, **2018**, 11,	3.5	13
43	The Impact of Lipid Corona on Rifampicin Intramacrophagic Transport Using Inhaled Solid Lipid Nanoparticles Surface-Decorated with a Mannosylated Surfactant. *Pharmaceutics*, **2019**, 11,	6.4	13

42	Trimethylsilyl hedgehogs - a novel class of super-efficient hydrocarbon surfactants. *Physical Chemistry Chemical Physics*, **2017**, 19, 23869-23877	3.6	12
41	Surfactants with aromatic headgroups for optimizing properties of graphene/natural rubber latex composites (NRL): Surfactants with aromatic amine polar heads. *Journal of Colloid and Interface Science*, **2019**, 545, 184-194	9.3	11
40	Conformation and Phase Behavior of Sodium Carboxymethyl Cellulose in the Presence of Mono- and Divalent Salts. *Macromolecules*, **2020**, 53, 1451-1463	5.5	11
39	Time-resolved small-angle neutron scattering studies of the thermally-induced exchange of copolymer chains between spherical diblock copolymer nanoparticles prepared via polymerization-induced self-assembly. *Soft Matter*, **2020**, 16, 3657-3668	3.6	10
38	How do Self-Assembling Antimicrobial Lipopeptides Kill Bacteria?. *ACS Applied Materials & Interfaces*, **2020**, 12, 55675-55687	9.5	10
37	The influence of directed hydrogen bonds on the self-assembly of amphiphilic polymers in water. *Journal of Colloid and Interface Science*, **2019**, 557, 488-497	9.3	9
36	Drugs/lamellae interface influences the inner structure of double-loaded liposomes for inhaled anti-TB therapy: An in-depth small-angle neutron scattering investigation. *Journal of Colloid and Interface Science*, **2019**, 541, 399-406	9.3	9
35	Conveying a newly designed hydrophilic anti-human thymidylate synthase peptide to cisplatin resistant cancer cells: are pH-sensitive liposomes more effective than conventional ones?. *Drug Development and Industrial Pharmacy*, **2017**, 43, 465-473	3.6	9
34	Characterization of Natural Clays from Italian Deposits with Focus on Elemental Composition and Exchange Estimated by EDX Analysis: Potential Pharmaceutical and Cosmetic Uses. *Clays and Clay Minerals*, **2016**, 64, 719-731	2.1	9
33	Pd- -CH complexes of the Trost modular ligand: high nuclearity columnar aggregation controlled by concentration, solvent and counterion. *Chemical Science*, **2015**, 6, 5793-5801	9.4	8
32	Preparation of conductive cellulose paper through electrochemical exfoliation of graphite: The role of anionic surfactant ionic liquids as exfoliating and stabilizing agents. *Carbohydrate Polymers*, **2018** , 201, 48-59	10.3	8
31	Unraveling Decisive Structural Parameters for the Self-Assembly of Supramolecular Polymer Bottlebrushes Based on Benzene Trisureas. *Macromolecules*, **2020**, 53, 7552-7560	5.5	8
30	A new family of urea-based low molecular-weight organogelators for environmental remediation: the influence of structure. *Soft Matter*, **2018**, 14, 8821-8827	3.6	8
29	How does solubilisation of plant waxes into nonionic surfactant micelles affect pesticide release?. *Journal of Colloid and Interface Science*, **2019**, 556, 650-657	9.3	7
28	How does substrate hydrophobicity affect the morphological features of reconstituted wax films and their interactions with nonionic surfactant and pesticide?. *Journal of Colloid and Interface Science*, **2020**, 575, 245-253	9.3	7
27	Fluorocarbon-hydrocarbon incompatibility in micellar polymerizations. *Journal of Colloid and Interface Science*, **2009**, 330, 437-42	9.3	7
26	Design of Surfactant Tails for Effective Surface Tension Reduction and Micellization in Water and/or Supercritical CO. *Langmuir*, **2020**, 36, 14829-14840	4	7
25	Charge transport physics of a unique class of rigid-rod conjugated polymers with fused-ring conjugated units linked by double carbon-carbon bonds. *Science Advances*, **2021**, 7,	14.3	7

24	Electrochemical exfoliation of graphite in nanofibrillated kenaf cellulose (NFC)/surfactant mixture for the development of conductive paper. *Carbohydrate Polymers*, **2020**, 228, 115376	10.3	7
23	The curious case of SDS self-assembly in glycerol: Formation of a lamellar gel. *Journal of Colloid and Interface Science*, **2020**, 572, 384-395	9.3	7
22	Interfacial Adsorption of a Monoclonal Antibody and Its Fab and Fc Fragments at the Oil/Water Interface. *Langmuir*, **2019**, 35, 13543-13552	4	6
21	Ionotropic Gelation Fronts in Sodium Carboxymethyl Cellulose for Hydrogel Particle Formation. *Gels*, **2021**, 7,	4.2	6
20	Surface adsorption and solution aggregation of a novel lauroyl-l-carnitine surfactant. *Journal of Colloid and Interface Science*, **2021**, 591, 106-114	9.3	6
19	Impact of amino acids on the aqueous self-assembly of benzenetrispeptides into supramolecular polymer bottlebrushes. *Polymer Chemistry*, **2020**, 11, 6763-6771	4.9	5
18	Superspreading performance of branched ionic trimethylsilyl surfactant Mg(AOTSiC)2. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 604, 125277	5.1	5
17	Structural Disruptions of the Outer Membranes of Gram-Negative Bacteria by Rationally Designed Amphiphilic Antimicrobial Peptides. *ACS Applied Materials & Interfaces*, **2021**, 13, 16062-16074	9.5	5
16	In vivo β-carotene skin permeation modulated by Nanostructured Lipid Carriers. *International Journal of Pharmaceutics*, **2021**, 597, 120322	6.5	5
15	Highly branched triple-chain surfactant-mediated electrochemical exfoliation of graphite to obtain graphene oxide: colloidal behaviour and application in water treatment. *Physical Chemistry Chemical Physics*, **2020**, 22, 12732-12744	3.6	4
14	A Peptidic Thymidylate-Synthase Inhibitor Loaded on Pegylated Liposomes Enhances the Antitumour Effect of Chemotherapy Drugs in Human Ovarian Cancer Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
13	An integrative toolbox to unlock the structure and dynamics of protein–surfactant complexes. *Nanoscale Advances*, **2020**, 2, 4011-4023	5.1	3
12	Controlling water adhesion on superhydrophobic surfaces with bi-functional polymers. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 616, 126307	5.1	3
11	What happens when pesticides are solubilised in binary ionic/zwitterionic-nonionic mixed micelles?. *Journal of Colloid and Interface Science*, **2021**, 586, 190-199	9.3	3
10	Nasal biocompatible powder of Geraniol oil complexed with cyclodextrins for neurodegenerative diseases: physicochemical characterization and in vivo evidences of nose to brain delivery. *Journal of Controlled Release*, **2021**, 335, 191-202	11.7	3
9	Very low surface tensions with Hedgehog surfactants. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 631, 127690	5.1	2
8	Fracto-eutectogels: SDS fractal dendrites counterion condensation in a deep eutectic solvent. *Physical Chemistry Chemical Physics*, **2021**, 23, 11672-11683	3.6	2
7	Self-assembled organogelators as artificial stratum corneum models: Key-role parameters for skin permeation prediction. *International Journal of Pharmaceutics*, **2019**, 557, 314-328	6.5	1

6	Overcoming the Necessity of a Lateral Aggregation in the Formation of Supramolecular Polymer Bottlebrushes in Water. *Macromolecular Rapid Communications*, **2021**, 42, e2000585	4.8	1
5	Design, Characterization, and In Vitro Assays on Muscle Cells of Endocannabinoid-like Molecule Loaded Lipid Nanoparticles for a Therapeutic Anti-Inflammatory Approach to Sarcopenia.. *Pharmaceutics*, **2022**, 14,	6.4	1
4	A guide to designing graphene-philic surfactants.. *Journal of Colloid and Interface Science*, **2022**, 620, 346-355	9.3	1
3	Design and physicochemical characterization of novel hybrid SLN-liposome nanocarriers for the smart co-delivery of two antitubercular drugs. *Journal of Drug Delivery Science and Technology*, **2022**, 70, 103206	4.5	1
2	Contrasting impacts of mixed nonionic surfactant micelles on plant growth in the delivery of fungicide and herbicide.. *Journal of Colloid and Interface Science*, **2022**, 618, 78-87	9.3	1
1	Fabrication and application of composite adsorbents made by one-pot electrochemical exfoliation of graphite in surfactant ionic liquid/nanocellulose mixtures. *Physical Chemistry Chemical Physics*, **2021**, 23, 19313-19328	3.6	0