## Paul S Russo

## List of Publications by Year in descending order

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147726 95218 5,352 118 31 68 citations h-index g-index papers 118 118 118 6415 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Physical Properties of Sodium Poly(styrene sulfonate): Comparison to Incompletely Sulfonated Polystyrene. Macromolecules, 2022, 55, 1747-1762.	2.2	12
2	Reshaping sub-millimetre bubbles from spheres to tori. Soft Matter, 2022, 18, 4660-4666.	1.2	1
3	Synergistic Reinforcement of Composite Hydrogels with Nanofiber Mixtures of Cellulose Nanocrystals and Chitin Nanofibers. Biomacromolecules, 2021, 22, 340-352.	2.6	10
4	Characterization of polymers by static light scattering. , 2021, , 499-532.		3
5	Characterization of polymers by dynamic light scattering. , 2021, , 441-498.		2
6	Molecular Dynamics Simulations of Nanostructures Formed by Hydrophobins and Oil in Seawater. Journal of Physical Chemistry B, 2021, 125, 7886-7899.	1.2	4
7	Detection of Polypeptide Conformational Transitions in Solution via Sound Velocity. Macromolecules, 2020, 53, 5127-5139.	2.2	O
8	Cellulose Nanocrystal–Polyelectrolyte Hybrids for Bentonite Water-Based Drilling Fluids. ACS Applied Bio Materials, 2020, 3, 3015-3027.	2.3	15
9	Organophilic, Superparamagnetic, and Reversibly Thermoresponsive Silica-Polypeptide Core–Shell Particles. Langmuir, 2019, 35, 14248-14257.	1.6	2
10	Synthesis of perfectly sulfonated sodium polystyrene sulfonate over a wide molar mass range via reversibleâ€deactivation radical polymerization. Journal of Polymer Science Part A, 2019, 57, 1527-1537.	2.5	12
11	Characterization of Submicron Bubbles Formed by the Hydrophobin Cerato-ulmin. Journal of Physical Chemistry B, 2019, 123, 3955-3961.	1.2	2
12	Microbubbles and Oil Droplets Stabilized by a Class II Hydrophobin in Marinelike Environments. Langmuir, 2019, 35, 4380-4386.	1.6	7
13	Formation and elasticity of membranes of the class II hydrophobin Cerato-ulmin at oil-water interfaces. Colloids and Surfaces B: Biointerfaces, 2018, 164, 98-106.	2.5	11
14	Silica–Conjugated Polymer Hybrid Fluorescent Nanoparticles: Preparation by Surface-Initiated Polymerization and Spectroscopic Studies. Journal of Physical Chemistry C, 2018, 122, 6963-6975.	1.5	14
15	Thermoresponsive Liquid Crystals: Thermally Switchable Liquid Crystals Based on Cellulose Nanocrystals with Patchy Polymer Grafts (Small 46/2018). Small, 2018, 14, 1870218.	5.2	2
16	Diffusion of Rodlike Polymers: Pulsed Gradient Spin Echo NMR of Poly( $\hat{l}^3$ -stearyl- $\hat{l}\pm$ ,l-glutamate) Solutions and the Importance of Helix Stability. Journal of Physical Chemistry B, 2018, 122, 12194-12200.	1.2	3
17	Thermally Switchable Liquid Crystals Based on Cellulose Nanocrystals with Patchy Polymer Grafts. Small, 2018, 14, e1802060.	5.2	34
18	Discovering Volatile Chemicals from Window Weatherstripping through Solid-Phase Microextraction/Gas Chromatography–Mass Spectrometry. Journal of Chemical Education, 2017, 94, 1784-1789.	1.1	9

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19	Polypeptide-Assisted Organization of π-Conjugated Polymers into Responsive, Soft 3D Networks. Chemistry of Materials, 2017, 29, 5058-5062.	3.2	4
20	Enhanced Alignment of Water-Soluble Polythiophene Using Cellulose Nanocrystals as a Liquid Crystal Template. Biomacromolecules, 2017, 18, 1556-1562.	2.6	19
21	Domed Silica Microcylinders Coated with Oleophilic Polypeptides and Their Behavior in Lyotropic Cholesteric Liquid Crystals of the Same Polypeptide. Langmuir, 2016, 32, 13137-13148.	1.6	11
22	Formation of a Rigid Hydrophobin Film and Disruption by an Anionic Surfactant at an Air/Water Interface. Langmuir, 2016, 32, 5542-5551.	1.6	20
23	Poly(colloid)s: "Polymerization―of Poly( <scp>l</scp> -tyrosine)-silica Composite Particles through the Photoinduced Cross-Linking of Unmodified Proteins Method. Langmuir, 2016, 32, 8392-8402.	1.6	5
24	Polypeptide-Coated Silica Particles Dispersed in Lyotropic Liquid Crystals of the Same Polypeptide. Journal of Physical Chemistry B, 2016, 120, 7275-7288.	1.2	7
25	Protein-Assisted Assembly of π-Conjugated Polymers. Chemistry of Materials, 2016, 28, 573-582.	3.2	20
26	Sculpting the internal architecture of fluorescent silica particles via a template-free approach. Journal of Colloid and Interface Science, 2016, 467, 321-334.	5.0	13
27	Colorful Polyelectrolytes: An Atom Transfer Radical Polymerization Route to Fluorescent Polystyrene Sulfonate. Journal of Fluorescence, 2016, 26, 609-615.	1.3	4
28	Preparation of Metalloporphyrin-Bound Superparamagnetic Silica Particles via "Click―Reaction. ACS Applied Materials & Diterfaces, 2016, 8, 792-801.	4.0	14
29	Cytotoxic and antiangiogenic paclitaxel solubilized and permeation-enhanced by natural product nanoparticles. Anti-Cancer Drugs, 2015, 26, 167-179.	0.7	21
30	Liquid Crystalline Poly(3-hexylthiophene) Solutions Revisited: Role of Time-Dependent Self-Assembly. Chemistry of Materials, 2015, 27, 2687-2694.	3.2	64
31	Fluorescent Labeling Can Alter Polymer Solution Dynamics. Macromolecules, 2015, 48, 7245-7255.	2.2	7
32	Sugar-Based Polyamides: Self-Organization in Strong Polar Organic Solvents. Biomacromolecules, 2015, 16, 3062-3072.	2.6	2
33	Progress in silica polypeptide composite colloidal hybrids: from silica cores to fuzzy shells. Colloid and Polymer Science, 2014, 292, 1009-1040.	1.0	19
34	Determination of Particle Size Distributions, Molecular Weight Distributions, Swelling, Conformation, and Morphology of Dilute Suspensions of Cross-Linked Polymeric Nanoparticles via Size-Exclusion Chromatography/Differential Viscometry. Macromolecules, 2014, 47, 6715-6729.	2.2	10
35	Separation and Characterization of Poly(tetrafluoroethylene) Latex Particles by Asymmetric Flow Field Flow Fractionation with Light-Scattering Detection. Langmuir, 2014, 30, 3373-3380.	1.6	7
36	Synthesis and Rapid Characterization of Amine-Functionalized Silica. Langmuir, 2012, 28, 5562-5569.	1.6	114

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37	Asymmetric Flow Field-Flow Fractionation with Multiangle Light Scattering Detection for Characterization of Cellulose Nanocrystals. Biomacromolecules, 2012, 13, 2671-2679.	2.6	19
38	Phase transitions in the assembly of multivalent signalling proteins. Nature, 2012, 483, 336-340.	13.7	1,938
39	Characterization of the Self-Assembly of <i>meso</i> -Tetra(4-sulfonatophenyl)porphyrin (H <sub>2</sub> TPPS <sup>4–</sup> ) in Aqueous Solutions. Biomacromolecules, 2012, 13, 60-72.	2.6	<b>7</b> 5
40	Reformulation of etoposide with solubility-enhancing rubusoside. International Journal of Pharmaceutics, 2012, 434, 453-459.	2.6	30
41	A Novel Solubility-Enhanced Curcumin Formulation Showing Stability and Maintenance of Anticancer Activity. Journal of Pharmaceutical Sciences, 2011, 100, 2778-2789.	1.6	80
42	Effect of Length on the Diffusion of a Rodlike Polymer at Concentrations Spanning the Isotropicâ "Lyotropic Transition. Journal of Physical Chemistry B, 2010, 114, 4777-4782.	1.2	2
43	Reversibility of $\hat{l}^2$ -Amyloid Self-Assembly: Effects of pH and Added Salts Assessed by Fluorescence Photobleaching Recovery. Biomacromolecules, 2010, 11, 341-347.	2.6	12
44	Preparation of Organosoluble Silicaâ^'Polypeptide Particles by "Click―Chemistry. Macromolecules, 2010, 43, 62-70.	2.2	52
45	Silicaâ^Polypeptide Composite Particles: Controlling Shell Growth. Langmuir, 2010, 26, 15604-15613.	1.6	22
46	Surface Properties of a Series of Amphiphilic Dendrimers with Short Hydrophobic Chains. Langmuir, 2008, 24, 1858-1862.	1.6	10
47	Craft-Based IGERT Experiment in Graduate Macromolecular Studies. Polymer Reviews, 2008, 48, 653-673.	5.3	1
48	Diffusion of Dextran Probes in a Self-Assembled Fibrous Gel Composed of Two-Dimensional Arborols. Journal of Physical Chemistry B, 2008, 112, 29-35.	1.2	13
49	β-Amyloid Protein Aggregation. Methods in Molecular Biology, 2007, , 203-225.	0.4	4
50	Mesophase separation and probe dynamics in protein–polyelectrolyte coacervates. Soft Matter, 2007, 3, 1064-1076.	1.2	70
51	Probe diffusion from dilute to concentrated in polyelectrolyte solution: Salt effect. Journal of Colloid and Interface Science, 2007, 313, 469-475.	5.0	15
52	β-Amyloid Protein Aggregation. , 2007, 386, 203-225.		15
53	Dynamics of Poly(styrenesulfonate) Sodium Salt in Aqueous Solution. Macromolecules, 2006, 39, 731-739.	2,2	38
54	Matrix Fluorescence Photobleaching Recovery for Polymer Molecular Weight Distributions and Other Applications. Macromolecules, 2006, 39, 9446-9455.	2.2	9

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55	Some Structural Observations of Self-Assembled, Fibrillar Gels Composed of Two-Directional Bolaform Arborols. ACS Symposium Series, 2006, , 370-383.	0.5	3
56	Simple multiangle, multicorrelator depolarized dynamic light scattering apparatus. Review of Scientific Instruments, 2006, 77, 043902.	0.6	9
57	A Detergent-like Mechanism of Action of the Cytolytic Toxin Cyt1A from Bacillus thuringiensis var. israelensis. Biochemistry, 2005, 44, 589-597.	1.2	58
58	Diffusion of Labeled Polyelectrolyte Probes in Unlabeled Polyelectrolyte Matrix Solutions. Macromolecules, 2005, 38, 10627-10630.	2,2	5
59	Elucidating the Kinetics of $\hat{l}^2$ -Amyloid Fibril Formation. ACS Symposium Series, 2005, , 106-118.	0.5	4
60	A New Synthesis of Fluorescein Isothiocyanate Labeled Poly(styrenesulfonate sodium salt). Macromolecules, 2004, 37, 4731-4735.	2.2	12
61	Colloidal Crystals of Silicaâ°'Homopolypeptide Composite Particles. Langmuir, 2004, 20, 266-269.	1.6	23
62	Structural Changes and Aggregation of Human Influenza Virus. Biomacromolecules, 2004, 5, 1728-1735.	2.6	17
63	Rotational and Translational Diffusion of Tobacco Mosaic Virus in Extended and Globular Polymer Solutions. Macromolecules, 2004, 37, 9577-9584.	2.2	41
64	NMR investigations of the structure of water-soluble poly(ethylene oxide) complexes with polystyrene sulfonate copolymers. Colloid and Polymer Science, 2003, 281, 150-156.	1.0	8
65	Factors Affecting the Size of Aqueous Poly(vinylphenol-co-potassium styrenesulfonate)/Poly(ethylene) Tj ETQq1 1	0.784314 2.2	l - rgBT /Ονer
66	Self-Diffusion of a Rodlike Virus in the Isotropic Phaseâ€. Macromolecules, 2002, 35, 8659-8662.	2.2	15
67	Hexagonal Terpyridine–Ruthenium and –Iron Macrocyclic Complexes by Stepwise and Self-Assembly Procedures. Chemistry - A European Journal, 2002, 8, 2946.	1.7	118
68	Study of Rodlike Homopolypeptides by Gel Permeation Chromatography with Light Scattering Detection:  Validity of Universal Calibration and Stiffness Assessment. Macromolecules, 2001, 34, 582-586.	2.2	48
69	Synthesis of Paucidisperse Poly(γ-benzyl-α,l-glutamate) Oligomers and Star Polymers with Rigid Arms. Biomacromolecules, 2001, 2, 1214-1219.	2.6	4
70	On the Use of Pattern Fluorescence Photobleaching Recovery with Modulation Detection to Obtain Colloidal Size Distributions. Journal of Colloid and Interface Science, 2001, 239, 374-379.	5.0	13
71	Fluid–liquid equilibria in poly(ethylene-co-hexene-1)+propane: a light-scattering probe of cloud-point pressure and critical polymer concentration. Fluid Phase Equilibria, 2000, 173, 149-158.	1.4	14
72	Thermoreversible Gelation of Isotropic and Liquid Crystalline Solutions of a "Sticky―Rodlike Polymer. Macromolecules, 2000, 33, 4427-4432.	2.2	22

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73	Self-diffusion of a semiflexible polymer measured across the lyotropic liquid-crystalline-phase boundary. Journal of Chemical Physics, 1999, 111, 1746-1752.	1.2	9
74	Self- and Directed Assembly of Hexaruthenium Macrocycles. Angewandte Chemie - International Edition, 1999, 38, 3717-3721.	7.2	116
75	Teaching Light Scattering to Reinforce Basic Principles. Journal of Chemical Education, 1999, 76, 1534.	1.1	9
76	Organophilic Colloidal Particles with a Synthetic Polypeptide Coating. Langmuir, 1999, 15, 4421-4426.	1.6	36
77	Hydrodynamic Studies on the Manganese-Stabilizing Protein of Photosystem II. Biochemistry, 1998, 37, 13553-13558.	1.2	36
78	Interactions between Colloidal Poly(tetrafluoroethylene) Latex and Sodium Poly(styrenesulfonate). Langmuir, 1998, 14, 264-270.	1.6	8
79	Rotational and Translational Diffusion of a Rodlike Virus in Random Coil Polymer Solutions. Macromolecules, 1997, 30, 4920-4926.	2.2	38
80	Observations on the thermoreversible gelation of two-directional arborols in water-methanol mixtures. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 2787-2793.	2.4	12
81	Thermoreversible Gelation of a Rodlike Polymer. Macromolecules, 1996, 29, 7402-7411.	2.2	43
82	Light scattering and fluorescence photobleaching recovery study of poly(amidoamine) cascade polymers in aqueous solution. Journal of Polymer Science, Part B: Polymer Physics, 1996, 34, 1467-1475.	2.4	19
83	Monolayer properties of a fuzzy rod polymer: Poly( $\hat{l}^3$ -stearyl $\hat{l}_\pm$ , L-glutamate). Journal of Polymer Science, Part B: Polymer Physics, 1996, 34, 3025-3034.	2.4	17
84	Light Scattering Study of Magnetic Latex Particles and Their Interaction with Polyelectrolytes. Journal of Colloid and Interface Science, 1996, 177, 31-44.	5.0	23
85	Static light scattering instrument for rapid and timeâ€resolved particle sizing in polymer and colloid solutions. Review of Scientific Instruments, 1996, 67, 3645-3648.	0.6	7
86	Synthesis and Some Solution Properties of Poly(.gammastearyl .alpha.,L-glutamate). Macromolecules, 1995, 28, 6745-6753.	2.2	29
87	Following Polymer Gelation by Depolarized Dynamic Light Scattering from Optically and Geometrically Anisotropic Latex Particles. Langmuir, 1994, 10, 4053-4059.	1.6	22
88	Diffusion of Dextran in Aqueous (Hydroxypropyl)cellulose. Macromolecules, 1994, 27, 1187-1194.	2.2	76
89	Self-Diffusion of Rodlike Polymers in Isotropic Solutions. Macromolecules, 1994, 27, 6871-6882.	2.2	45
90	Light scattering from random coils dispersed in a solution of rodlike polymers. Macromolecules, 1994, 27, 171-178.	2.2	9

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91	Static and dynamic light scattering of a random coil polymer in rodlike polymer solution. Macromolecular Symposia, 1994, 79, 81-85.	0.4	1
92	Dye diffusion in isotropic and liquid-crystalline aqueous (hydroxypropyl)cellulose. Macromolecules, 1993, 26, 370-378.	2.2	71
93	Time-resolved fluorescence of the single tryptophan of Bacillus stearothermophilus phosphofructokinase. Biophysical Journal, 1993, 65, 215-226.	0.2	57
94	Dynamic light scattering from a semiflexible polymer at very low concentrations. Journal of Chemical Physics, 1992, 97, 2777-2782.	1.2	7
95	Tracer diffusion of proteins in DNA solutions. Macromolecules, 1992, 25, 5263-5265.	2.2	41
96	Thermodynamic and dynamic behavior of semiflexible polymers in the isotropic phase. Macromolecules, 1991, 24, 6139-6155.	2.2	48
97	Light Scattering from Magnetic Latex Particles. Materials Research Society Symposia Proceedings, 1991, 248, 247.	0.1	1
98	Diffusion of spherical probes in aqueous systems containing the semiflexible polymer hydroxypropylcellulose., 1991,,.		0
99	Late stages of phase separation/gelation of isotropic solutions of rodâ€like polymers by video microscopy. Journal of Chemical Physics, 1990, 92, 5744-5750.	1.2	21
100	Cascade molecules. Part 6. Synthesis and characterization of two-directional cascade molecules and formation of aqueous gels. Journal of the American Chemical Society, 1990, 112, 8458-8465.	6.6	230
101	Nature and effects of nonexponential correlation functions in probe diffusion experiments by quasielastic light scattering. Journal of Colloid and Interface Science, 1989, 129, 240-253.	5.0	27
102	Temperature ramped fluorescence photobleaching recovery for the direct evaluation of thermoreversible gels. Macromolecules, 1989, 22, 1500-1504.	2.2	15
103	Interactions between polystyrene latex spheres and a semiflexible polymer, hydroxypropylcellulose. Journal of Colloid and Interface Science, 1988, 122, 120-137.	5.0	29
104	Phase Behavior in a Ternary Rod/Coil/Solvant System: Poly (γ-Benzyl-α, L-glutamate)/Nylon-6/m- cresol. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1988, 157, 501-514.	0.3	4
105	Gelation of Rodlike Polymers. Materials Research Society Symposia Proceedings, 1988, 134, 207.	0.1	4
106	A Perspective on Reversible Gels and Related Systems. ACS Symposium Series, 1987, , 1-21.	0.5	14
107	Two-directional cascade molecules: synthesis and characterization of [9]-n-[9] arborols. Journal of the Chemical Society Chemical Communications, 1986, , 752.	2.0	116
108	Observation of a porous gel structure in poly(p-phenylenebenzobisthiazole)/97% sulfuric acid. Macromolecules, 1986, 19, 2856-2859.	2.2	15

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109	Chemistry of micelles series. Part 2. Cascade molecules. Synthesis and characterization of a benzene[9]3-arborol. Journal of the American Chemical Society, 1986, 108, 849-850.	6.6	208
110	Zero-angle depolarized light scattering of a colloidal polymer. Analytica Chimica Acta, 1986, 189, 69-87.	2.6	32
111	Dynamic light scattering from ternary solutions of semiflexible polymers. Macromolecules, 1985, 18, 2733-2738.	2.2	9
112	Solubility and properties of a poly(aryl ether ketone) in strong acids. Macromolecules, 1985, 18, 86-93.	2.2	289
113	Dynamic light scattering study of semidilute solutions of a stiffâ€chain polymer. Journal of Chemical Physics, 1984, 80, 5312-5325.	1.2	35
114	On the nature of the poly( $\hat{l}^3$ -benzyl glutamate)-dimethylformamide "complex phase". Macromolecules, 1984, 17, 1324-1331.	2.2	49
115	Comment on the correct polarization factor for light scattering photometers employing annular detection. Macromolecules, 1984, 17, 1289-1291.	2.2	3
116	Coexistence of liquid crystalline phases in poly( $\hat{l}^3$ -benzyl $\hat{l}_+$ ,L-glutamate)-dimethylformamide. Macromolecules, 1983, 16, 1690-1693.	2.2	51
117	The surface activity of the phytotoxin cerato-ulmin. Canadian Journal of Botany, 1982, 60, 1414-1422.	1.2	58
118	The solubility and surface activity of the Ceratocystis ulmi toxin cerato-ulmin. Physiological Plant Pathology, 1981, 19, 113-126.	1.4	22