Maciej Radosz

List of Publications by Citations

140 papers	11,692 citations	51 h-index	107 g-index
141 ext. papers	12,411 ext. citations	5.3 avg, IF	6.16 L-index

#	Paper	IF	Citations
140	New reference equation of state for associating liquids. *Industrial & Engineering Chemistry Research*, **1990**, 29, 1709-1721	3.9	1587
139	Equation of state for small, large, polydisperse, and associating molecules. *Industrial & Engineering Chemistry Research*, **1990**, 29, 2284-2294	3.9	1349
138	Equation of state for small, large, polydisperse, and associating molecules: extension to fluid mixtures. *Industrial & Engineering Chemistry Research*, **1991**, 30, 1994-2005	3.9	698
137	Fabrication of micellar nanoparticles for drug delivery through the self-assembly of block copolymers. *Progress in Polymer Science*, **2010**, 35, 1128-1143	29.6	392
136	Targeted charge-reversal nanoparticles for nuclear drug delivery. *Angewandte Chemie - International Edition*, **2007**, 46, 4999-5002	16.4	325
135	Acid-active cell-penetrating peptides for in vivo tumor-targeted drug delivery. *Journal of the American Chemical Society*, **2013**, 135, 933-40	16.4	269
134	Charge-Reversal Drug Conjugate for Targeted Cancer Cell Nuclear Drug Delivery. *Advanced Functional Materials*, **2009**, 19, 3580-3589	15.6	266
133	Integration of nanoassembly functions for an effective delivery cascade for cancer drugs. *Advanced Materials*, **2014**, 26, 7615-21	24	253
132	Enhanced CO2 Absorption of Poly(ionic liquid)s. *Macromolecules*, **2005**, 38, 2037-2039	5.5	248
131	Recent Advances and Applications of Statistical Associating Fluid Theory. *Industrial & Engineering Chemistry Research*, **2008**, 47, 8063-8082	3.9	232
130	Enhanced CO2 Capture Capacity of Nitrogen-Doped Biomass-Derived Porous Carbons. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 1439-1445	8.3	227
129	Carbon nanotube composite membranes of brominated poly(2,6-diphenyl-1,4-phenylene oxide) for gas separation. *Journal of Membrane Science*, **2007**, 294, 178-185	9.6	192
128	Challenges in design of translational nanocarriers. *Journal of Controlled Release*, **2012**, 164, 156-69	11.7	191
127	Poly(ionic liquid)s as new materials for CO2 absorption. *Journal of Polymer Science Part A*, **2005**, 43, 5477-5489	2.5	185
126	Flue-Gas Carbon Capture on Carbonaceous Sorbents: Toward a Low-Cost Multifunctional Carbon Filter for "Green" Energy Producers" *Industrial & Engineering Chemistry Research*, **2008**, 47, 3783-3794	3.9	181
125	CO2-filling capacity and selectivity of carbon nanopores: synthesis, texture, and pore-size distribution from quenched-solid density functional theory (QSDFT). *Environmental Science & Technology*, **2011**, 45, 7068-74	10.3	171
124	Curcumin polymers as anticancer conjugates. *Biomaterials*, **2010**, 31, 7139-49	15.6	159

123	Anticancer efficacies of cisplatin-releasing pH-responsive nanoparticles. *Biomacromolecules*, **2006**, 7, 829-35	6.9	149
122	Linear-dendritic drug conjugates forming long-circulating nanorods for cancer-drug delivery. *Biomaterials*, **2013**, 34, 5722-35	15.6	139
121	Highly active copper-based catalyst for atom transfer radical polymerization. *Journal of the American Chemical Society*, **2006**, 128, 16277-85	16.4	132
120	Enhanced stability of core-surface cross-linked micelles fabricated from amphiphilic brush copolymers. *Biomacromolecules*, **2004**, 5, 1736-44	6.9	132
119	Atom transfer radical polymerization of styrenic ionic liquid monomers and carbon dioxide absorption of the polymerized ionic liquids. *Journal of Polymer Science Part A*, **2005**, 43, 1432-1443	2.5	129
118	Low-pressure CO2 sorption in ammonium-based poly(ionic liquid)s. *Polymer*, **2005**, 46, 12460-12467	3.9	126
117	Poly(ionic liquid)s as Optically Transparent Microwave-Absorbing Materials. *Macromolecules*, **2008**, 41, 493-496	5.5	119
116	Atom transfer radical polymerization of ionic liquid 2-(1-butylimidazolium-3-yl)ethyl methacrylate tetrafluoroborate. *Journal of Polymer Science Part A*, **2004**, 42, 5794-5801	2.5	115
115	Prototype of an Engineering Equation of State for Heterosegmented Polymers. *Industrial & Engineering Chemistry Research*, **1998**, 37, 4453-4462	3.9	108
114	Ionic Liquid Catalyst for Biphasic Atom Transfer Radical Polymerization of Methyl Methacrylate. *Macromolecules*, **2005**, 38, 5921-5928	5.5	106
113	Facile synthesis of polyester dendrimers from sequential click coupling of asymmetrical monomers. *Journal of the American Chemical Society*, **2009**, 131, 14795-803	16.4	99
112	Isothermal Carbon Dioxide Sorption in Poly(ionic liquid)s. *Industrial & Engineering Chemistry Research*, **2009**, 48, 9113-9118	3.9	94
111	Charge-reversal polyamidoamine dendrimer for cascade nuclear drug delivery. *Nanomedicine*, **2010**, 5, 1205-17	5.6	91
110	Phase Equilibria in High-Pressure Polyethylene Technology. *Industrial & Engineering Chemistry Research*, **1995**, 34, 1501-1516	3.9	90
109	CuBr2/N,N,N?,N?-Tetra[(2-pyridal)methyl]ethylenediamine/Tertiary Amine as a Highly Active and Versatile Catalyst for Atom-Transfer Radical Polymerization via Activator Generated by Electron Transfer. *Macromolecular Rapid Communications*, **2006**, 27, 1127-1131	4.8	88
108	SAFT1-RPM Approximation Extended to Phase Equilibria and Densities of CO2H2O and CO2H2ONaCl Systems. *Industrial & Engineering Chemistry Research*, **2005**, 44, 8419-8427	3.9	80
107	Recovery of rare earth elements with ionic liquids. *Green Chemistry*, **2017**, 19, 4469-4493	10	78
106	Magnetic Nanoparticle Supported Catalyst for Atom Transfer Radical Polymerization. *Macromolecules*, **2006**, 39, 6399-6405	5.5	77

105	Supercritical antisolvent process for substituted para-linked aromatic polyamides: phase equilibrium and morphology study. *Macromolecules*, **1993**, 26, 6207-6210	5.5	74
104	Density-tuned polyolefin phase equilibria. 2. Multicomponent solutions of alternating poly(ethylene-propylene) in subcritical and supercritical olefins. Experiment and SAFT model. *Macromolecules*, **1992**, 25, 4987-4995	5.5	71
103	Virion-mimicking nanocapsules from pH-controlled hierarchical self-assembly for gene delivery. *Angewandte Chemie - International Edition*, **2008**, 47, 1260-4	16.4	69
102	Effect of oxygen on nonthermal plasma reactions of nitrogen oxides in nitrogen. *AICHE Journal*, **2005**, 51, 1800-1812	3.6	69
101	Statistical Associating Fluid Theory Coupled with Restricted Primitive Model To Represent Aqueous Strong Electrolytes. *Industrial & Engineering Chemistry Research*, **2005**, 44, 4442-4452	3.9	67
100	Brominated Poly(2,6-diphenyl-1,4-phenylene oxide) and Its Silica Nanocomposite Membranes for Gas Separation. *Industrial & Engineering Chemistry Research*, **2007**, 46, 2567-2575	3.9	62
99	Highly stable core-surface-crosslinked nanoparticles as cisplatin carriers for cancer chemotherapy. *Colloids and Surfaces B: Biointerfaces*, **2006**, 48, 50-7	6	62
98	Density-tuned polyolefin phase equilibria. 1. Binary solutions of alternating poly(ethylene-propylene) in subcritical and supercritical propylene, 1-butene, and 1-hexene. Experiment and Flory-Patterson model. *Macromolecules*, **1992**, 25, 3089-3096	5.5	62
97	CO2 Adsorption on Hazelnut-Shell-Derived Nitrogen-Doped Porous Carbons Synthesized by Single-Step Sodium Amide Activation. *Industrial & Engineering Chemistry Research*, **2020**, 59, 7046-7053	3.9	60
96	Magnetic suspension balance study of carbon dioxide solubility in ammonium-based polymerized ionic liquids: Poly(p-vinylbenzyltrimethyl ammonium tetrafluoroborate) and poly([2-(methacryloyloxy)ethyl] trimethyl ammonium tetrafluoroborate). *Fluid Phase Equilibria*, **2007**, 256, 75-80	2.5	59
95	C2 Oxygenate Synthesis via Fischer□Tropsch Synthesis on Co2C and Co/Co2C Interface Catalysts: How To Control the Catalyst Crystal Facet for Optimal Selectivity. *ACS Catalysis*, **2017**, 7, 8285-8295	13.1	56
94	Carbon Dioxide Solubility in Polymerized Ionic Liquids Containing Ammonium and Imidazolium Cations from Magnetic Suspension Balance: P[VBTMA][BF4] and P[VBMI][BF4]. *Industrial & Engineering Chemistry Research*, **2007**, 46, 5542-5547	3.9	54
93	Reversible Catalyst Supporting via Hydrogen-Bonding-Mediated Self-Assembly for Atom Transfer Radical Polymerization of MMA. *Macromolecules*, **2004**, 37, 1728-1734	5.5	53
92	Phase Behavior of Telechelic Polyisobutylene (PIB) in Subcritical and Supercritical Fluids. 1. Inter- and Intra-Association Effects for Blank, Monohydroxy, and Dihydroxy PIB(1K) in Ethane, Propane, Dimethyl Ether, Carbon Dioxide, and Chlorodifluoromethane. *Macromolecules*, **1994**, 27, 4972-4980	5.5	53
91	Modeling of solid□liquid equilibria in naphthalene, normal-alkane and polyethylene solutions. *Fluid Phase Equilibria*, **1999**, 155, 57-73	2.5	52
90	Generalized Procedure for Estimating the Fractions of Nonbonded Associating Molecules and Their Derivatives in Thermodynamic Perturbation Theory. *Industrial & Engineering Chemistry Research*, **2004**, 43, 203-208	3.9	51
89	Friction Theory and Free-Volume Theory Coupled with Statistical Associating Fluid Theory for Estimating the Viscosity of Pure n-Alkanes. *Industrial & Engineering Chemistry Research*, **2005**, 44, 8409-8418	3.9	50
88	pH-responsive nanoparticles for cancer drug delivery. *Methods in Molecular Biology*, **2008**, 437, 183-216	1.4	47

87	Statistical associating fluid theory coupled with restrictive primitive model extended to bivalent ions. SAFT2: 1. Single salt + water solutions. *Journal of Physical Chemistry B*, **2006**, 110, 16694-9	3.4	47
86	Equation of state for small, large, polydisperse, and associating molecules: extension to fluid mixtures. [Erratum to document cited in CA115(8):79950j]. *Industrial & Engineering Chemistry Research*, **1993**, 32, 762-762	3.9	47
85	Atom transfer radical polymerization of methyl methacrylate via reversibly supported catalysts on silica gel via self-assembly. *Journal of Polymer Science Part A*, **2004**, 42, 22-30	2.5	46
84	N Atom Radicals and N2(A3Σ+) Found To Be Responsible for Nitrogen Oxides Conversion in Nonthermal Nitrogen Plasma. *Industrial & Engineering Chemistry Research*, **2004**, 43, 5077-5088	3.9	44
83	Atom transfer radical polymerization and copolymerization of vinyl acetate catalyzed by copper halide/terpyridine. *AICHE Journal*, **2009**, 55, 737-746	3.6	43
82	Tertiary Amine Enhanced Activity of ATRP Catalysts CuBr/TPMA and CuBr/Me6TREN. *Macromolecular Rapid Communications*, **2008**, 29, 1834-1838	4.8	43
81	Nanocomposite Membranes for CO2 Separations: Silica/Brominated Poly(phenylene oxide). *Industrial & Engineering Chemistry Research*, **2007**, 46, 1547-1551	3.9	43
80	Statistical Associating Fluid Theory Coupled with Restricted Primitive Model to Represent Aqueous Strong Electrolytes: Multiple-Salt Solutions. *Industrial & Engineering Chemistry Research*, **2005**, 44, 7584-7590	3.9	41
79	Phase Behavior of Telechelic Polyisobutylene (PIB) in Subcritical and Supercritical Fluids. 2. PIB Size, Solvent Polarity, and Inter- and Intra-Association Effects for Blank, Monohydroxy, and Dihydroxy PIB(11K) in Ethane, Propane, Carbon Dioxide, and Dimethyl Ether. *Macromolecules*, **1994**, 27, 4981-4985	5.5	40
78	Phase equilibria of saturated and unsaturated polyisoprene in sub- and supercritical ethane, ethylene, propane, propylene, and dimethyl ether. *Fluid Phase Equilibria*, **1996**, 117, 84-91	2.5	39
77	Phase Behavior of Poly(ethylene-1-butene) in Subcritical and Supercritical Propane: Ethyl Branches Reduce Segment Energy and Enhance Miscibility. *Macromolecules*, **1995**, 28, 1812-1817	5.5	38
76	Statistical Associating Fluid Theory Equation of State with Lennard-Jones Reference Applied to Pure and Binary n-Alkane Systems. *Journal of Physical Chemistry B*, **1998**, 102, 2427-2431	3.4	36
75	Synthesis of degradable functional poly(ethylene glycol) analogs as versatile drug delivery carriers. *Macromolecular Bioscience*, **2007**, 7, 1187-98	5.5	35
74	Copolymer SAFT Modeling of Phase Behavior in Hydrocarbon-Chain Solutions: Alkane Oligomers, Polyethylene, Poly(ethylene-co-olefin-1), Polystyrene, and Poly(ethylene-co-styrene). *Industrial & Engineering Chemistry Research*, **1998**, 37, 3169-3179	3.9	32
73	A study of square-well statistical associating fluid theory approximations. *Fluid Phase Equilibria*, **1999**, 161, 1-20	2.5	32
72	Friction Theory Coupled with Statistical Associating Fluid Theory for Estimating the Viscosity of n-Alkane Mixtures. *Industrial & Engineering Chemistry Research*, **2006**, 45, 2116-2122	3.9	31
71	Statistical associating fluid theory coupled with restrictive primitive model extended to bivalent ions. SAFT2: 2. Brine/seawater properties predicted. *Journal of Physical Chemistry B*, **2006**, 110, 16700-6	3.4	30
70	Phase equilibria in polymer solutions. Block-algebra, simultaneous flash algorithm coupled with SAFT equation of state, applied to single-stage supercritical antisolvent fractionation of polyethylene. *Industrial & Engineering Chemistry Research*, **1993**, 32, 3123-3127	3.9	30

69	Progress in catalytic synthesis of advanced carbon nanofibers. *Journal of Materials Chemistry A*, **2017**, 5, 13863-13881	13	29
68	Biodegradable cationic polyester as an efficient carrier for gene delivery to neonatal cardiomyocytes. *Biotechnology and Bioengineering*, **2006**, 95, 893-903	4.9	28
67	Fluid–liquid Transitions of Poly(ethylene-co-octene-1) in Supercritical Ethylene Solutions. *Industrial & Engineering Chemistry Research*, **2000**, 39, 4370-4375	3.9	27
66	Nonthermal Plasma Reactions of Dilute Nitrogen Oxide Mixtures: NOx in Nitrogen. *Industrial & Engineering Chemistry Research*, **2004**, 43, 2315-2323	3.9	26
65	Fluid–liquid and Fluid–Solid Transitions of Poly(ethylene-co-octene-1) in Sub- and Supercritical Propane Solutions. *Industrial & Engineering Chemistry Research*, **2000**, 39, 3069-3075	3.9	26
64	Supercritical antisolvent process for a series of substituted para-linked aromatic polyamides. *Macromolecules*, **1995**, 28, 1316-1317	5.5	26
63	Phase behavior of LCST and UCST solutions of branchy copolymers: experiment and SAFT modelling. *Fluid Phase Equilibria*, **1993**, 83, 391-398	2.5	26
62	Square-well SAFT equation of state for homopolymeric and heteropolymeric fluids. *Fluid Phase Equilibria*, **1999**, 158-160, 165-174	2.5	25
61	Using a Multiple-Mixing-Cell Model to Study Minimum Miscibility Pressure Controlled by Thermodynamic Equilibrium Tie Lines. *Industrial & Engineering Chemistry Research*, **2006**, 45, 7913-7923	3.9	24
60	Phase Behavior of Poly(ethylene-co-hexene-1) Solutions in Isobutane and Propane. *Industrial & Engineering Chemistry Research*, **1999**, 38, 2842-2848	3.9	24
59	Fractionation of Polystyrene with Supercritical Propane and Ethane: Characterization, Semibatch Solubility Experiments, and SAFT Simulations. *Industrial & Engineering Chemistry Research*, **1994**, 33, 1984-1988	3.9	24
58	A variable-volume optical pressure-volume-temperature cell for high-pressure cloud points, densities, and infrared spectra, applicable to supercritical fluid solutions of polymers up to 2 kbar. *Journal of Chemical & Engineering Data*, **1994**, 39, 219-224	2.8	23
57	Phase Equilibria of Dilute Poly(ethylene-co-1-butene) Solutions in Ethylene, 1-Butene, and 1-Butene + Ethylene. *Journal of Chemical & Engineering Data*, **1999**, 44, 854-859	2.8	22
56	Optical emission study of nonthermal plasma confirms reaction mechanisms involving neutral rather than charged species. *Journal of Applied Physics*, **2007**, 101, 033303	2.5	21
55	Effect of CO on NO and N2O conversions in nonthermal argon plasma. *Journal of Applied Physics*, **2006**, 99, 113302	2.5	21
54	Phase Behavior of Telechelic Polyisobutylene in Subcritical and Supercritical Fluids. 3. Three-Arm-Star PIB (4K) as a Model Trimer for Monohydroxy and Dihydroxy PIB (1K) in Ethane, Propane, Dimethyl Ether, Carbon Dioxide, and Chlorodifluoromethane. *The Journal of Physical Chemistry*, **1994**, 98, 10634-10639		21
53	Perspectives on the Active Sites and Catalyst Design for the Hydrogenation of Dimethyl Oxalate. *ACS Catalysis*, **2020**, 10, 4465-4490	13.1	20
52	Near-Critical Fluid Micellization for High and Efficient Drug Loading: Encapsulation of Paclitaxel into PEG-b-PCL Micelles. *Journal of Physical Chemistry C*, **2011**, 115, 11951-11956	3.8	20

51	How the Solute Polydispersity Affects the Cloud-Point and Coexistence Pressures in Propylene and Ethylene Solutions of Alternating Poly(ethylene-co-propylene). *Industrial & Engineering Chemistry Research*, **1997**, 36, 5520-5525	3.9	20
50	Virion-Mimicking Nanocapsules from pH-Controlled Hierarchical Self-Assembly for Gene Delivery. *Angewandte Chemie*, **2008**, 120, 1280-1284	3.6	20
49	Fluid–liquid and Fluid–Solid Phase Behavior of Poly(ethylene-co-hexene-1) Solutions in Sub- and Supercritical Propane, Ethylene, and Ethylene + Hexene-1. *Macromolecules*, **2000**, 33, 6800-6807	5.5	20
48	Carbon Filter Process for Flue-Gas Carbon Capture on Carbonaceous Sorbents: Steam-Aided Vacuum Swing Adsorption Option. *Industrial & Engineering Chemistry Research*, **2011**, 50, 9696-9703	3.9	18
47	Atom Transfer Radical Polymerization of N,N-Dimethylacrylamide. *Macromolecular Rapid Communications*, **2004**, 25, 632-636	4.8	18
46	Energy Consumption and Optimal Reactor Configuration for Nonthermal Plasma Conversion of N2O in Nitrogen and N2O in Argon. *Energy & Fuels*, **2004**, 18, 1522-1530	4.1	18
45	Fabrication of dendrimer-releasing lipidic nanoassembly for cancer drug delivery. *Biomaterials Science*, **2016**, 4, 958-69	7.4	18
44	Effect of Oxygen on Minimum Miscibility Pressure in Carbon Dioxide Flooding. *Industrial & Engineering Chemistry Research*, **2007**, 46, 1396-1401	3.9	17
43	SAFT1 for Associating Fluids: Alkanols. *Journal of Physical Chemistry B*, **2001**, 105, 9822-9827	3.4	17
42	Effect of CO2 on Nonthermal-Plasma Reactions of Nitrogen Oxides in N2. 1. PPM-Level Concentrations. *Industrial & Engineering Chemistry Research*, **2005**, 44, 3925-3934	3.9	16
41	Effect of reactor configuration on nitric oxide conversion in nitrogen plasma. *AICHE Journal*, **2005**, 51, 1813-1821	3.6	16
40	Fluid–liquid and Fluid–Solid Transitions of Tetracontane in Propane. *Journal of Chemical & Engineering Data*, **2000**, 45, 362-368	2.8	16
39	Temperature- and Pressure-Induced Crystallization and Melting of Tetracontane in Propane: Evidence of Retrograde Crystallization. *Journal of Chemical & Engineering Data*, **2003**, 48, 226-230	2.8	15
38	Synthesis and self-assembly of thymine- and adenine-containing homopolymers and diblock copolymers. *Journal of Polymer Science Part A*, **2006**, 44, 5995-6006	2.5	14
37	Prototype of an LJ solid equation of state applied to argon, krypton and methane. *Molecular Physics*, **2002**, 100, 2559-2569	1.7	14
36	Block Copolymer Micelles Formed in Supercritical Fluid Can Become Water-Dispensable Nanoparticles: Poly(ethylene glycol)–block-Poly(?-caprolactone) in Trifluoromethane. *Industrial & Engineering Chemistry Research*, **2009**, 48, 1928-1932	3.9	13
35	Pentadentate Copper Halide Complexes Have Higher Catalytic Activity in Atom Transfer Radical Polymerization of Methyl Acrylate Than Hexadentate Complexes. *Macromolecules*, **2009**, 42, 4531-4538	5.5	13
34	Statistical Associating Fluid Theory of Homopolymers and Block Copolymers in Compressible Solutions: Polystyrene, Polybutadiene, Polyisoprene, Polystyrene-block-Polybutadiene, and Polystyrene-block-Polyisoprene in Propane. *Journal of Physical Chemistry C*, **2007**, 111, 15752-15758	3.8	13

33	Cloud points for polystyrene in propane and poly(4-methyl styrene) in propane. *Fluid Phase Equilibria*, **2004**, 226, 189-194	2.5	13
32	The effect of gas pressure on NO conversion energy efficiency in nonthermal nitrogen plasma. *Chemical Engineering Science*, **2005**, 60, 1927-1937	4.4	13
31	Fluid□quid 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	2.5	13
30	The LJ-Solid Equation of State Extended to Thermal Properties, Chain Molecules, and Mixtures. *Industrial & Engineering Chemistry Research*, **2004**, 43, 6890-6897	3.9	12
29	Phase equilibria of binary and ternary n-alkane solutions in supercritical ethylene, 1-butene, and ethylene + 1-butene. Transition from type A through LCST to U-LCST behavior predicted and confirmed experimentally. *Industrial & Engineering Chemistry Research*, **1993**, 32, 1442-1448	3.9	12
28	Multilayered Nanoparticles for Controlled Release of Paclitaxel Formed by Near-Critical Micellization of Triblock Copolymers. *Macromolecules*, **2012**, 45, 4809-4817	5.5	11
27	Effect of CO2 on Nonthermal-Plasma Reactions of Nitrogen Oxides in N2. 2. Percent-Level Concentrations. *Industrial & Engineering Chemistry Research*, **2005**, 44, 3935-3946	3.9	11
26	Nonthermal-Plasma Reactions of Dilute Nitrogen Oxide Mixtures: NOx-in-Argon and NOx + CO-in-Argon. *Industrial & Engineering Chemistry Research*, **2004**, 43, 7456-7464	3.9	11
25	Guanidinoamidized linear polyethyleneimine for gene delivery. *Chinese Journal of Polymer Science (English Edition)*, **2015**, 33, 908-919	3.5	10
24	Minimum Miscibility Pressure Prediction Using Statistical Associating Fluid Theory: Two- and Three-Phase Systems **2006**,		10
23	A new tetradentate ligand for atom transfer radical polymerization. *Journal of Polymer Science Part A*, **2004**, 42, 3553-3562	2.5	10
22	Phase Behavior of Telechelic Polyisobutylene in Subcritical and Supercritical Fluids. 4. SAFT Association Parameters from FTIR for Blank, Monohydroxy, and Dihydroxy PIB 200 in Ethane, Carbon Dioxide, and Chlorodifluoromethane. *Journal of Physical Chemistry B*, **1999**, 103, 1167-1175	3.4	10
21	Salivary Cortisol Levels in Horses and their Riders During Three-Day-Events. *Bulletin of the Veterinary Institute in Pulawy = Biuletyn Instytutu Weterynarii W Pulawach*, **2013**, 57, 237-241		9
20	Micellization of Poly(ethylene glycol)-block-Poly(caprolactone) in Compressible Near Critical Solvents. *Journal of Physical Chemistry C*, **2010**, 114, 16082-16086	3.8	9
19	Template atom transfer radical polymerization of a diaminopyrimidine-derivatized monomer in the presence of a uracil-containing polymer. *Journal of Polymer Science Part A*, **2006**, 44, 6607-6615	2.5	9
18	Gibbs Topological Analysis for Constructing Phase Diagrams of Binary and Ternary Mixtures. *Industrial & Engineering Chemistry Research*, **2002**, 41, 5848-5855	3.9	9
17	High-Pressure Micellar Solutions of Polystyrene-block-polybutadiene and Polystyrene-block-polyisoprene in Propane Exhibit Cloud-Pressure Reduction and Distinct Micellization End Points. *Macromolecules*, **2009**, 42, 3823-3826	5.5	8
16	Amorphous polystyrene-block-polybutadiene and crystallizable polystyrene-block-(hydrogenated polybutadiene) solutions in compressible near critical propane and propylene □Hydrogenation effects. *Journal of Non-Crystalline Solids*, **2009**, 355, 1393-1399	3.9	8

List of Publications

15	High-Pressure Micellar Solutions of Symmetric and Asymmetric Styrene–Diene Diblocks in Compressible Near-Critical Solvents: Micellization Pressures and Cloud Pressures Respond but Micellar Cloud Pressures Insensitive to Copolymer Molecular Weight, Concentration, and Block Ratio Changes. *Macromolecules*, **2009**, 42, 7155-7163	5.5	6
14	Moisture Effect on NOx Conversion in a Nonthermal Plasma Reactor. *Environmental Engineering Science*, **2005**, 22, 854-869	2	6
13	Inclusion and Exclusion Approximations of Copolymer Solids Applied to Calculation of Solid–Liquid Transitions. *Industrial & Engineering Chemistry Research*, **2002**, 41, 1774-1779	3.9	6
12	Retrograde melting behavior in polyolefin + solvent + antisolvent solutions. *AICHE Journal*, **2003**, 49, 1044-1049	3.6	5
11	Laser-Induced Fluorescence (LIF) Probe for In-situ Nitric Oxide Concentration Measurement in a Non-thermal Pulsed Corona Discharge Plasma Reactor. *Plasma Chemistry and Plasma Processing*, **2005**, 25, 351-370	3.6	5
10	Carbon Filter Process for Flue-Gas Carbon Capture on Carbonaceous Sorbents: Field Tests of Steam-Aided Vacuum Swing Adsorption. *Energy & Fuels*, **2012**, 26, 2539-2545	4.1	4
9	Constructing Binary and Ternary Phase Diagrams on the Basis of Phase Stability Analysis. *Industrial & Engineering Chemistry Research*, **2002**, 41, 3722-3730	3.9	4
8	Weeks–Chandler–Andersen Model for Solid–Liquid Equilibria in Lennard-Jones Systems. *Journal of Physical Chemistry B*, **2002**, 106, 7878-7881	3.4	4
7	Chapter 11:Polymer-Based Prodrugs for Cancer Chemotherapy. *RSC Polymer Chemistry Series*, **2013**, 245-260	2.5	3
6	Magnetic Nanoparticle Supported Catalyst for Atom Transfer Radical Polymerization of Methyl Methacrylate. *ACS Symposium Series*, **2006**, 71-84	0.4	2
5	Effects of Compressed Carbon Dioxide on the Phase Equilibrium and Molecular Order of a Lyotropic Polyamide Solution. *Macromolecules*, **1996**, 29, 4904-4909	5.5	2
4	Decompression-Induced Encapsulation of Core-philic Solutes by Block Copolymer Micelles in Compressible Solutions: Polystyrene and Polystyrene-block-polybutadiene in Near-Critical Propane. *Macromolecules*, **2011**, 44, 5392-5400	5.5	1
3	Chapter 13:Near-Critical Micellization for Nanomedicine: Enhanced Drug Loading, Reduced Burst Release. *RSC Polymer Chemistry Series*, **2013**, 281-301	1.3	
2	Nanostructure of Solid Precipitates Obtained by Expansion of Polystyrene-block-Polybutadiene Solutions in Near Critical Propane: Block Ratio and Micellar Solution Effects. *Journal of Physical Chemistry C*, **2011**, 115, 9465-9470	3.8	
1	Density-Tuned Phase Behavior of Polyolefin Solutions in Supercritical Olefins: Toward Macromolecular Separations **1994**, 619-627		