

Clayton J Radke

List of Publications by Year in descending order

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286
papers

14,430
citations

21215

62
h-index

31191

106
g-index

296
all docs

296
docs citations

296
times ranked

10090
citing authors

#	ARTICLE	IF	CITATIONS
1	Central-to-peripheral corneal edema during wear of embedded-component contact lenses. <i>Contact Lens and Anterior Eye</i> , 2022, 45, 101443.	0.8	4
2	Protection against corneal hyperosmolarity with soft-contact-lens wear. <i>Progress in Retinal and Eye Research</i> , 2022, 87, 101012.	7.3	10
3	Investigation of surface properties of quince seed extract as a novel polymeric surfactant. <i>Food Hydrocolloids</i> , 2022, 123, 107185.	5.6	13
4	Chemical Compositions in Modified Salinity Waterflooding of Calcium Carbonate Reservoirs: Experiment. <i>Transport in Porous Media</i> , 2022, 141, 255-278.	1.2	8
5	Gas Mass-Transport Coefficients in Ionomer Membranes Using a Microelectrode. <i>ACS Measurement Science Au</i> , 2022, 2, 208-218.	1.9	7
6	Improved Amott Cell Procedure for Predictive Modeling of Oil Recovery Dynamics from Mixed-Wet Carbonates. , 2022, , .		1
7	Fast Screening of LSW Brines Using QCM-D and Crude Oil-Brine Interface Analogs. , 2022, , .		0
8	Pore-Scale Spontaneous Imbibition at High Advancing Contact Angles in Mixed-Wet Media: Theory and Experiment. <i>Energy & Fuels</i> , 2022, 36, 5647-5656.	2.5	8
9	Prevention of localized corneal hyperosmolarity spikes by soft-contact-lens wear. <i>Contact Lens and Anterior Eye</i> , 2022, 45, 101722.	0.8	2
10	Letter to the Editor: "Fluid reservoir thickness and corneal oedema during closed eye scleral lens wear," by Damien Fisher, Michael J. Collins, and Stephen J. Vincent. <i>Contact Lens and Anterior Eye</i> , 2021, 44, 123.	0.8	0
11	A graham triple-layer model unifies mica monovalent ion exchange, zeta potential, and surface forces. <i>Advances in Colloid and Interface Science</i> , 2021, 288, 102335.	7.0	10
12	Linking Perfluorosulfonic Acid Ionomer Chemistry and High-Current Density Performance in Fuel-Cell Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42579-42589.	4.0	19
13	Assessment of the performance of several novel approaches to improve physical properties of guar gum based biopolymer films. <i>Food Packaging and Shelf Life</i> , 2021, 29, 100687.	3.3	22
14	Examination of interfacial properties of quince seed extract on a sunflower oil-water interface. <i>Chemical Engineering Science</i> , 2021, 245, 116951.	1.9	3
15	Chemical Compositions in Salinity Waterflooding of Carbonate Reservoirs: Theory. <i>Transport in Porous Media</i> , 2021, 136, 411-429.	1.2	8
16	Characterization of curcumin incorporated guar gum/orange oil antimicrobial emulsion films. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 110-120.	3.6	78
17	Limbal Metabolic Support Reduces Peripheral Corneal Edema with Contact-Lens Wear. <i>Translational Vision Science and Technology</i> , 2020, 9, 44.	1.1	12
18	Novel Approach to Study the Impact of Asphaltene Properties on Low Salinity Flooding. , 2020, , .		2

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19	Theory of Multicomponent Phenomena in Cation-Exchange Membranes: Part II. Transport Model and Validation. <i>Journal of the Electrochemical Society</i> , 2020, 167, 013548.	1.3	27
20	Theory of Multicomponent Phenomena in Cation-Exchange Membranes: Part I. Thermodynamic Model and Validation. <i>Journal of the Electrochemical Society</i> , 2020, 167, 013547.	1.3	29
21	Human Lacrimal Production Rate and Wetted Length of Modified Schirmer's Tear Test Strips. <i>Translational Vision Science and Technology</i> , 2019, 8, 40.	1.1	15
22	110th Anniversary: Theory of Activity Coefficients for Lithium Salts in Aqueous and Nonaqueous Solvents and in Solvent Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 18367-18377.	1.8	13
23	Wettability Reversal of Hydrophobic Pigment Particles Comprising Nanoscale Organosilane Shells: Concentrated Aqueous Dispersions and Corrosion-Resistant Waterborne Coatings. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44851-44864.	4.0	8
24	Fuel-Cell Catalyst-Layer Resistance via Hydrogen Limiting-Current Measurements. <i>Journal of the Electrochemical Society</i> , 2019, 166, F3020-F3031.	1.3	84
25	Modeling Water Uptake and Pt Utilization in High Surface Area Carbon. <i>ECS Transactions</i> , 2019, 92, 247-259.	0.3	9
26	Mass-Transport Resistances of Acid and Alkaline Ionomer Layers: A Microelectrode Study Part 1 - Microelectrode Development. <i>ECS Transactions</i> , 2019, 92, 77-85.	0.3	6
27	Osmotic and activity coefficients for five lithium salts in three non-aqueous solvents. <i>Journal of Chemical Thermodynamics</i> , 2019, 132, 83-92.	1.0	11
28	Calcium Ion Bridging of Aqueous Carboxylates onto Silica: Implications for Low-Salinity Waterflooding. <i>Energy & Fuels</i> , 2019, 33, 127-134.	2.5	15
29	Asphaltene Adsorption from Toluene onto Silica through Thin Water Layers. <i>Langmuir</i> , 2019, 35, 428-434.	1.6	26
30	Tear-Film Evaporation Rate from Simultaneous Ocular-Surface Temperature and Tear-Breakup Area. <i>Optometry and Vision Science</i> , 2018, 95, 5-12.	0.6	21
31	Solubilities of six lithium salts in five non-aqueous solvents and in a few of their binary mixtures. <i>Fluid Phase Equilibria</i> , 2018, 461, 1-7.	1.4	40
32	Human Lacrimal Production Rates from Modified Schirmer-Tear Test. <i>Optometry and Vision Science</i> , 2018, 95, 343-348.	0.6	12
33	Bulk and Surface Aqueous Speciation of Calcite: Implications for Low-Salinity Waterflooding of Carbonate Reservoirs. <i>SPE Journal</i> , 2018, 23, 84-101.	1.7	33
34	Hydrophobic Inorganic Oxide Pigments via Polymethylhydrosiloxane Grafting: Dispersion in Aqueous Solution at Extraordinarily High Solids Concentrations. <i>Langmuir</i> , 2018, 34, 11738-11748.	1.6	15
35	Wetting behavior of four polar organic solvents containing one of three lithium salts on a lithium-ion-battery separator. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 582-587.	5.0	25
36	Central Corneal Edema with Scleral-Lens Wear. <i>Current Eye Research</i> , 2018, 43, 1305-1315.	0.7	37

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37	Recovery of dilute aqueous butanol by membrane vapor extraction with dodecane or mesitylene. <i>Journal of Membrane Science</i> , 2017, 528, 103-111.	4.1	22
38	Transport Resistances in Fuel-Cell Catalyst Layers. <i>ECS Transactions</i> , 2017, 80, 321-333.	0.3	17
39	Nano- and Mesoscale Ion and Water Transport in Perfluorosulfonic-Acid Membranes. <i>ECS Transactions</i> , 2017, 80, 593-604.	0.3	1
40	Impact of Nano- and Mesoscales on Macroscopic Cation Conductivity in Perfluorinated-Sulfonic-Acid Membranes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28262-28274.	1.5	25
41	Human tear-production rate from closed-eye Schirmer-strip capillary dynamics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 521, 61-68.	2.3	10
42	Diffusion of water-soluble sorptive drugs in HEMA/MAA hydrogels. <i>Journal of Controlled Release</i> , 2016, 239, 242-248.	4.8	26
43	Bulk and Surface Aqueous Speciation of Calcite: Implications for Low-Salinity Waterflooding of Carbonate Reservoirs. , 2016, , .		10
44	Stable Aqueous Dispersions of Hydrophobically Modified Titanium Dioxide Pigments through Polyanion Adsorption: Synthesis, Characterization, and Application in Coatings. <i>Langmuir</i> , 2016, 32, 1929-1938.	1.6	14
45	Analysis of countercurrent membrane vapor extraction of a dilute aqueous biosolute. <i>AIChE Journal</i> , 2015, 61, 2795-2809.	1.8	10
46	In Vitro Spoilation of Silicone-Hydrogel Soft Contact Lenses in a Model-Blink Cell. <i>Optometry and Vision Science</i> , 2015, 92, 768-780.	0.6	12
47	Film and membrane-model thermodynamics of free thin liquid films. <i>Journal of Colloid and Interface Science</i> , 2015, 449, 462-479.	5.0	13
48	Fluorescent solute-partitioning characterization of layered soft contact lenses. <i>Acta Biomaterialia</i> , 2015, 15, 48-54.	4.1	12
49	Equilibrium water and solute uptake in silicone hydrogels. <i>Acta Biomaterialia</i> , 2015, 18, 112-117.	4.1	8
50	Multiscale Model of Proton Transport in Perfluorosulfonic-Acid Membrane. <i>ECS Transactions</i> , 2015, 69, 731-742.	0.3	2
51	Gibbs adsorption equation for planar fluid-fluid interfaces: Invariant formalism. <i>Advances in Colloid and Interface Science</i> , 2015, 222, 600-614.	7.0	50
52	Flow Evaporimeter To Assess Evaporative Resistance of Human Tear-Film Lipid Layer. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 18130-18139.	1.8	24
53	Ice-Crystallization Kinetics in the Catalyst Layer of a Proton-Exchange-Membrane Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2014, 161, F199-F207.	1.3	41
54	Evaporation-driven instability of the precorneal tear film. <i>Advances in Colloid and Interface Science</i> , 2014, 206, 250-264.	7.0	114

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55	Water-soluble drug partitioning and adsorption in HEMA/MAA hydrogels. <i>Biomaterials</i> , 2014, 35, 620-629.	5.7	40
56	Tear Dynamics in Healthy and Dry Eyes. <i>Current Eye Research</i> , 2014, 39, 580-595.	0.7	48
57	Surface kinetics for cooperative fungal cellulase digestion of cellulose from quartz crystal microgravimetry. <i>Journal of Colloid and Interface Science</i> , 2013, 394, 498-508.	5.0	21
58	Pseudo-isothermal ice-crystallization kinetics in the gas-diffusion layer of a fuel cell from differential scanning calorimetry. <i>International Journal of Heat and Mass Transfer</i> , 2013, 60, 450-458.	2.5	18
59	Non-isothermal melting of ice in the gas-diffusion layer of a proton-exchange-membrane fuel cell. <i>International Journal of Heat and Mass Transfer</i> , 2013, 67, 896-901.	2.5	46
60	Water-evaporation reduction by duplex films: Application to the human tear film. <i>Advances in Colloid and Interface Science</i> , 2013, 197-198, 33-57.	7.0	37
61	Macromolecule Sorption and Diffusion in HEMA/MAA Hydrogels. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 18109-18120.	1.8	41
62	Ice Crystallization During Cold-Start of a Proton-Exchange-Membrane Fuel Cell. <i>ECS Transactions</i> , 2013, 58, 897-905.	0.3	4
63	Ice-Crystallization Kinetics and Water Movement in Gas-Diffusion and Catalyst Layers. <i>ECS Transactions</i> , 2013, 50, 429-435.	0.3	5
64	Structural and Rheological Properties of Meibomian Lipid. , 2013, 54, 2720.		63
65	In Vivo Corneal Oxygen Uptake During Soft-Contact-Lens Wear. , 2013, 54, 3472.		6
66	A Quasi-2-Dimensional Model for Respiration of the Cornea With Soft Contact Lens Wear. <i>Cornea</i> , 2012, 31, 405-417.	0.9	15
67	Cellulase Adsorption and Reactivity on a Cellulose Surface from Flow Ellipsometry. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 11389-11400.	1.8	51
68	Aqueous Solute Partitioning and Mesh Size in HEMA/MAA Hydrogels. <i>Macromolecules</i> , 2012, 45, 9177-9187.	2.2	37
69	Isothermal Ice Crystallization Kinetics in the Gas-Diffusion Layer of a Proton-Exchange-Membrane Fuel Cell. <i>Langmuir</i> , 2012, 28, 1222-1234.	1.6	30
70	Competitive Sorption Kinetics of Inhibited Endo- and Exoglucanases on a Model Cellulose Substrate. <i>Langmuir</i> , 2012, 28, 14598-14608.	1.6	41
71	Molecular Structure of Interfacial Human Meibum Films. <i>Langmuir</i> , 2012, 28, 11858-11865.	1.6	42
72	Aqueous salt transport through soft contact lenses: An osmotic-withdrawal mechanism for prevention of adherence. <i>Contact Lens and Anterior Eye</i> , 2012, 35, 260-265.	0.8	15

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73	In Vivo Oxygen Uptake into the Human Cornea. , 2012, 53, 6331.		14
74	Ice-Crystallization Kinetics and Water Movement in Gas-Diffusion and Catalyst Layers. ECS Meeting Abstracts, 2012, , .	0.0	0
75	Author Response: In Vivo Oxygen Uptake into the Human Cornea. , 2012, 53, 6829.		1
76	Effects of aqueous polymeric surfactants on silicone-hydrogel soft- contact-lens wettability and bacterial adhesion of Pseudomonas aeruginosa. Contact Lens and Anterior Eye, 2012, 35, 155-162.	0.8	14
77	Dynamics of Flagellum- and Pilus-Mediated Association of Pseudomonas aeruginosa with Contact Lens Surfaces. Applied and Environmental Microbiology, 2011, 77, 3644-3652.	1.4	38
78	Oxygen-deficient metabolism and corneal edema. Progress in Retinal and Eye Research, 2011, 30, 471-492.	7.3	83
79	Permeability and partition coefficient of aqueous sodium chloride in soft contact lenses. Journal of Applied Polymer Science, 2011, 122, 1457-1471.	1.3	33
80	Dynamics of Pseudomonas aeruginosa association with anionic hydrogel surfaces in the presence of aqueous divalent-cation salts. Journal of Colloid and Interface Science, 2011, 362, 58-66.	5.0	6
81	Surface collision theory for suspension-based cleaning of particle-contaminated solid substrates. Journal of Applied Physics, 2011, 109, 053512.	1.1	3
82	Silicon-Wafer Cleaning with Aqueous Surfactant-Stabilized Gas/Solids Suspensions. Journal of the Electrochemical Society, 2011, 158, H55.	1.3	16
83	To the Editor: A Novel On-Eye Wettability Analyzer for Soft Contact Lenses. Optometry and Vision Science, 2011, 88, 1529.	0.6	0
84	The Role of Dispersed Nocardioform Filaments in Activated Sludge Foaming. Water Environment Research, 2010, 82, 483-491.	1.3	3
85	Water transport through soft contact lenses determined in a fan-evaporation cell. Journal of Membrane Science, 2010, 362, 529-534.	4.1	8
86	The role of electrolytes on protein adsorption at a hydrophilic solidâ€“water interface. Colloids and Surfaces B: Biointerfaces, 2010, 75, 100-106.	2.5	21
87	Ice Formation in Gas-Diffusion Layers. ECS Transactions, 2010, 33, 1143-1150.	0.3	0
88	Meniscus-Shear Particle Detachment in Foam-Based Cleaning of Silicon Wafers with an Immersion/Withdrawal Cell. Industrial & Engineering Chemistry Research, 2010, 49, 12461-12470.	1.8	7
89	Diffusion and Monod kinetics to determine <i>in vivo</i> human corneal oxygenâ€“consumption rate during soft contactâ€“lens wear. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 90B, 202-209.	1.6	15
90	Effect of sodium dodecylbenzene sulfonate on subtilisin Carlsberg proteolysis of an immobilized ovalbumin film. Biotechnology and Bioengineering, 2009, 102, 1273-1277.	1.7	2

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91	Role of surfactant on the proteolysis of aqueous bovine serum albumin. <i>Biotechnology and Bioengineering</i> , 2009, 102, 1330-1341.	1.7	17
92	Adsorption Kinetics and Mechanical Properties of Ultrathin Polyelectrolyte Multilayers: Liquid-Supported versus Solid-Supported Films. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7128-7137.	1.2	81
93	Modeling Corneal Metabolism and Oxygen Transport During Contact Lens Wear. <i>Optometry and Vision Science</i> , 2009, 86, 454-466.	0.6	38
94	Water diffusion through hydrogel membranes. <i>Journal of Membrane Science</i> , 2008, 320, 423-430.	4.1	19
95	Polarographic Method for Measuring Oxygen Diffusivity and Solubility in Water-Saturated Polymer Films: A Application to Hypertransmissible Soft Contact Lenses. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 3540-3550.	1.8	19
96	COMMENT ON: a new look at lubrication of the ocular surface—fluid mechanics behind the blinking eyelids. <i>Ocular Surface</i> , 2008, 6, 152-153.	2.2	2
97	Response of Drs. Radke and Chauhan. <i>Ocular Surface</i> , 2008, 6, 154.	2.2	0
98	Kinetics of Adsorption and Proteolytic Cleavage of a Multilayer Ovalbumin Film by Subtilisin Carlsberg. <i>Langmuir</i> , 2008, 24, 7388-7393.	1.6	15
99	Immobilized protein films for assessing surface proteolysis kinetics. <i>Journal of Biotechnology</i> , 2007, 132, 32-37.	1.9	16
100	Monte Carlo Simulations of Lennard-Jones Nonionic Surfactant Adsorption at the Liquid/Vapor Interface. <i>Langmuir</i> , 2007, 23, 1835-1844.	1.6	18
101	Monte Carlo Simulation of Mixed Lennard-Jones Nonionic Surfactant Adsorption at the Liquid/Vapor Interface. <i>Langmuir</i> , 2007, 23, 11580-11586.	1.6	13
102	A single-lens polarographic measurement of oxygen permeability (Dk) for hypertransmissible soft contact lenses. <i>Biomaterials</i> , 2007, 28, 4331-4342.	5.7	20
103	Diblock Copolymer Surfactant Transport across the Interface between Two Homopolymers. <i>Langmuir</i> , 2006, 22, 9192-9200.	1.6	5
104	Three-Dimensional Lattice Monte Carlo Simulations of Model Proteins. IV. Proteins at an Oil/Water Interface. <i>Langmuir</i> , 2006, 22, 3265-3272.	1.6	5
105	Relationship between Macroscopic and Microscopic Models of Surfactant Adsorption Dynamics at Fluid Interfaces. <i>Langmuir</i> , 2006, 22, 9201-9207.	1.6	2
106	Scalloped Channels Enhance Tear Mixing Under Hydrogel Contact Lenses. <i>Optometry and Vision Science</i> , 2006, 83, 874-878.	0.6	25
107	Post-lens tear-film depletion due to evaporative dehydration of a soft contact lens. <i>Journal of Membrane Science</i> , 2006, 275, 229-243.	4.1	24
108	Sorption kinetics and equilibrium uptake for water vapor in soft-contact-lens hydrogels. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 77A, 230-241.	2.1	18

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109	Glass-transition temperatures for soft-contact-lens materials. Dependence on water content. <i>Polymer</i> , 2005, 46, 4845-4852.	1.8	26
110	Imaging of reconstituted purple membranes by atomic force microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 41, 263-276.	2.5	2
111	Steady-state diffusion of water through soft-contact-lens materials. <i>Biomaterials</i> , 2005, 26, 5704-5716.	5.7	40
112	Diffusivity of water through a HEMA-based soft contact lens. <i>Fluid Phase Equilibria</i> , 2005, 228-229, 269-273.	1.4	17
113	Oscillating drop/bubble tensiometry: effect of viscous forces on the measurement of interfacial tension. <i>Journal of Colloid and Interface Science</i> , 2005, 282, 128-132.	5.0	62
114	The Effect of Water Hydraulic Permeability on the Settling of a Soft Contact Lens on the Eye. <i>Current Eye Research</i> , 2005, 30, 329-336.	0.7	23
115	LETTER TO THE EDITOR: Comments on "The Thickness of the Tear Film". <i>Current Eye Research</i> , 2005, 30, 1131-1132.	0.7	10
116	Equilibrium swelling and mesoscopic structure of a diblock copolymer gel in a selective solvent. <i>Molecular Physics</i> , 2005, 103, 1431-1440.	0.8	10
117	Multicomponent Diffusion in Highly Asymmetric Systems. An Extended Maxwell-Stefan Model for Starkly Different-Sized, Segment-Accessible Chain Molecules. <i>Macromolecules</i> , 2005, 38, 1364-1370.	2.2	54
118	A Combined Streaming-Potential Optical Reflectometer for Studying Adsorption at the Water/Solid Surface. <i>Langmuir</i> , 2005, 21, 10127-10139.	1.6	39
119	Experimental and Theoretical Study of the Adsorption of a Diblock Copolymer to Interfaces between Two Homopolymers. <i>Macromolecules</i> , 2005, 38, 3872-3882.	2.2	30
120	AOT and Pluronic F68 Coadsorption at Fluid/Fluid Interfaces: A Continuous-Flow Tensiometry Study. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 1129-1138.	1.8	45
121	Solvent-amino acid interaction energies in three-dimensional-lattice Monte Carlo simulations of a model 27-mer protein: Folding thermodynamics and kinetics. <i>Protein Science</i> , 2004, 13, 358-369.	3.1	16
122	Reduced protein adsorption at solid interfaces by sugar excipients. <i>Biotechnology and Bioengineering</i> , 2004, 87, 565-573.	1.7	49
123	Molecular simulation of the surface tension of simple aqueous electrolytes and the Gibbs adsorption equation. <i>Current Opinion in Colloid and Interface Science</i> , 2004, 9, 145-148.	3.4	34
124	Wettability of silicone-hydrogel contact lenses in the presence of tear-film components. <i>Current Eye Research</i> , 2004, 28, 93-108.	0.7	111
125	Sorption and transport of water vapor in thin polymer films at 35°C. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 103-108.	1.3	50
126	Monte Carlo Simulations of Disjoining-Pressure Isotherms for Lennard-Jones Surfactant-Stabilized Free Thin Films. <i>Journal of Physical Chemistry B</i> , 2004, 108, 13412-13418.	1.2	8

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127	Thermodynamics of Polymer Blends Organized by Balanced Block Copolymer Surfactants Studied by Mean-Field Theories and Scattering. <i>Macromolecules</i> , 2004, 37, 7401-7417.	2.2	29
128	Molecular Dynamics Simulations of Surface Tensions of Aqueous Electrolytic Solutions. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9077-9084.	1.2	55
129	Shear and Dilatational Relaxation Mechanisms of Globular and Flexible Proteins at the Hexadecane/Water Interface. <i>Langmuir</i> , 2004, 20, 10159-10167.	1.6	167
130	Interfacial Rheology of Globular and Flexible Proteins at the Hexadecane/Water Interface: A Comparison of Shear and Dilatation Deformation. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3835-3844.	1.2	258
131	RELAXATION OF ASPHALTENES AT THE TOLUENE/WATER INTERFACE: DIFFUSION EXCHANGE AND SURFACE REARRANGEMENT. <i>Journal of Adhesion</i> , 2004, 80, 481-496.	1.8	123
132	Interfacial versus homogeneous enzymatic cleavage of mandelonitrile by hydroxynitrile lyase in a biphasic system. <i>Biotechnology and Bioengineering</i> , 2003, 83, 498-501.	1.7	13
133	Dynamics of surfactant sorption at the air/water interface: continuous-flow tensiometry. <i>Journal of Colloid and Interface Science</i> , 2003, 261, 170-179.	5.0	113
134	Evaluation of DLVO theory with disjoining-pressure and film-conductance measurements of common-black films stabilized with sodium dodecyl sulfate. <i>Journal of Colloid and Interface Science</i> , 2003, 262, 442-455.	5.0	26
135	Solubilities and diffusivities of water vapor in poly(methylmethacrylate), poly(2-hydroxyethylmethacrylate), poly(N-vinyl-2-pyrrolidone) and poly(acrylonitrile). <i>Polymer</i> , 2003, 44, 6323-6333.	1.8	82
136	The role of interfacial rheology in reservoir mixed wettability. <i>Journal of Petroleum Science and Engineering</i> , 2003, 39, 137-158.	2.1	171
137	3D-Lattice Monte Carlo simulations of model proteins. Size effects on folding thermodynamics and kinetics. <i>Biophysical Chemistry</i> , 2003, 106, 81-89.	1.5	10
138	Permeability and diffusivity for water transport through hydrogel membranes. <i>Journal of Membrane Science</i> , 2003, 214, 199-209.	4.1	65
139	Dilatational Rheology of BSA Conformers at the Air/Water Interface. <i>Langmuir</i> , 2003, 19, 2349-2356.	1.6	199
140	Surface Forces and Drainage Kinetics of Protein-Stabilized Aqueous Films. <i>Langmuir</i> , 2003, 19, 7503-7513.	1.6	53
141	Molecular Simulation of Disjoining-Pressure Isotherms for Free Aqueous Thin Films. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13076-13083.	1.2	26
142	Solvent amino acid interaction energies in 3-D-lattice MC simulations of model proteins. Aggregation thermodynamics and kinetics. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 5291-5299.	1.3	23
143	Fenestrations Enhance Tear Mixing under Silicone-Hydrogel Contact Lenses. , 2003, 44, 60.		20
144	Black-line formation and the "perched" human tear film. <i>Current Eye Research</i> , 2002, 25, 155-162.	0.7	63

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145	Molecular thermodynamics for swelling of a bicontinuous gel. <i>Molecular Physics</i> , 2002, 100, 2277-2297.	0.8	10
146	Molecular Simulation of Disjoining-Pressure Isotherms for Free Liquid, Lennard-Jones Thin Films. <i>Journal of Physical Chemistry B</i> , 2002, 106, 6529-6537.	1.2	48
147	Wetting Behavior of Silicone Oils on Solid Substrates Immersed in Aqueous Electrolyte Solutions. <i>Langmuir</i> , 2002, 18, 6821-6829.	1.6	38
148	Direct Imaging of Lysozyme Adsorption onto Mica by Atomic Force Microscopy. <i>Langmuir</i> , 2002, 18, 5841-5850.	1.6	158
149	A kinetic model for enzyme interfacial activity and stability: pa-hydroxynitrile lyase at the diisopropyl ether/water interface. <i>Biotechnology and Bioengineering</i> , 2002, 78, 595-605.	1.7	23
150	Settling and Deformation of a Thin Elastic Shell on a Thin Fluid Layer Lying on a Solid Surface. <i>Journal of Colloid and Interface Science</i> , 2002, 245, 187-197.	5.0	31
151	Disjoining pressures, zeta potentials and surface tensions of aqueous non-ionic surfactant/electrolyte solutions: theory and comparison to experiment. <i>Advances in Colloid and Interface Science</i> , 2002, 96, 231-264.	7.0	268
152	Dispersive Mixing in the Posterior Tear Film Under a Soft Contact Lens. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 3015-3026.	1.8	97
153	Equilibrium Force Isotherms of a Deformable Bubble/Drop Interacting with a Solid Particle across a Thin Liquid Film. <i>Langmuir</i> , 2001, 17, 116-130.	1.6	62
154	Modeling of a Two-Phase Electrochemical Reactor for the Fluorination of Organic Compounds. 2. Multiple Steady States. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 3117-3126.	1.8	4
155	Spreading of Aqueous Trisiloxane Surfactant Solutions over Liquid Hydrophobic Substrates. <i>Langmuir</i> , 2001, 17, 335-348.	1.6	51
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