

# Clayton J Radke

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3155489/publications.pdf>

Version: 2024-02-01

286  
papers

14,430  
citations

18482  
62  
h-index

27406  
106  
g-index

296  
all docs

296  
docs citations

296  
times ranked

8911  
citing authors

#	ARTICLE	IF	CITATIONS
1	Central-to-peripheral corneal edema during wear of embedded-component contact lenses. Contact Lens and Anterior Eye, 2022, 45, 101443.	1.7	4
2	Protection against corneal hyperosmolarity with soft-contact-lens wear. Progress in Retinal and Eye Research, 2022, 87, 101012.	15.5	10
3	Investigation of surface properties of quince seed extract as a novel polymeric surfactant. Food Hydrocolloids, 2022, 123, 107185.	10.7	13
4	Chemical Compositions in Modified Salinity Waterflooding of Calcium Carbonate Reservoirs: Experiment. Transport in Porous Media, 2022, 141, 255-278.	2.6	8
5	Gas Mass-Transport Coefficients in Ionomer Membranes Using a Microelectrode. ACS Measurement Science Au, 2022, 2, 208-218.	4.4	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. Energy & Fuels, 2022, 36, 5647-5656.	5.1	8
9	Prevention of localized corneal hyperosmolarity spikes by soft-contact-lens wear. Contact Lens and Anterior Eye, 2022, 45, 101722.	1.7	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. Contact Lens and Anterior Eye, 2021, 44, 123.	1.7	0
11	A graham triple-layer model unifies mica monovalent ion exchange, zeta potential, and surface forces. Advances in Colloid and Interface Science, 2021, 288, 102335.	14.7	10
12	Linking Perfluorosulfonic Acid Ionomer Chemistry and High-Current Density Performance in Fuel-Cell Electrodes. ACS Applied Materials & Interfaces, 2021, 13, 42579-42589.	8.0	19
13	Assessment of the performance of several novel approaches to improve physical properties of guar gum based biopolymer films. Food Packaging and Shelf Life, 2021, 29, 100687.	7.5	22
14	Examination of interfacial properties of quince seed extract on a sunflower oil-water interface. Chemical Engineering Science, 2021, 245, 116951.	3.8	3
15	Chemical Compositions in Salinity Waterflooding of Carbonate Reservoirs: Theory. Transport in Porous Media, 2021, 136, 411-429.	2.6	8
16	Characterization of curcumin incorporated guar gum/orange oil antimicrobial emulsion films. International Journal of Biological Macromolecules, 2020, 148, 110-120.	7.5	78
17	Limbic Metabolic Support Reduces Peripheral Corneal Edema with Contact-Lens Wear. Translational Vision Science and Technology, 2020, 9, 44.	2.2	12
18	Novel Approach to Study the Impact of Asphaltene Properties on Low Salinity Flooding. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
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.	2.9	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.	2.9	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.	2.2	15
22	<i>110th Anniversary</i>: Theory of Activity Coefficients for Lithium Salts in Aqueous and Nonaqueous Solvents and in Solvent Mixtures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 18367-18377.	3.7	13
23	Wettability Reversal of Hydrophobic Pigment Particles Comprising Nanoscale Organosilane Shells: Concentrated Aqueous Dispersions and Corrosion-Resistant Waterborne Coatings. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 44851-44864.	8.0	8
24	Fuel-Cell Catalyst-Layer Resistance via Hydrogen Limiting-Current Measurements. <i>Journal of the Electrochemical Society</i> , 2019, 166, F3020-F3031.	2.9	84
25	Modeling Water Uptake and Pt Utilization in High Surface Area Carbon. <i>ECS Transactions</i> , 2019, 92, 247-259.	0.5	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.	0.5	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.	2.0	11
28	Calcium Ion Bridging of Aqueous Carboxylates onto Silica: Implications for Low-Salinity Waterflooding. <i>Energy &amp; Fuels</i> , 2019, 33, 127-134.	5.1	15
29	Asphaltene Adsorption from Toluene onto Silica through Thin Water Layers. <i>Langmuir</i> , 2019, 35, 428-434.	3.5	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.	1.2	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.	2.5	40
32	Human Lacrimal Production Rates from Modified Schirmer-Tear Test. <i>Optometry and Vision Science</i> , 2018, 95, 343-348.	1.2	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.	3.1	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.	3.5	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.	9.4	25
36	Central Corneal Edema with Scleral-Lens Wear. <i>Current Eye Research</i> , 2018, 43, 1305-1315.	1.5	37

#	ARTICLE	IF	CITATIONS
37	Recovery of dilute aqueous butanol by membrane vapor extraction with dodecane or mesitylene. <i>Journal of Membrane Science</i> , 2017, 528, 103-111.	8.2	22
38	Transport Resistances in Fuel-Cell Catalyst Layers. <i>ECS Transactions</i> , 2017, 80, 321-333.	0.5	17
39	Nano- and Mesoscale Ion and Water Transport in Perfluorosulfonic-Acid Membranes. <i>ECS Transactions</i> , 2017, 80, 593-604.	0.5	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.	3.1	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.	4.7	10
42	Diffusion of water-soluble sorptive drugs in HEMA/MAA hydrogels. <i>Journal of Controlled Release</i> , 2016, 239, 242-248.	9.9	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.	3.5	14
45	Analysis of countercurrent membrane vapor extraction of a dilute aqueous biosolute. <i>AIChE Journal</i> , 2015, 61, 2795-2809.	3.6	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.	1.2	12
47	Film and membrane-model thermodynamics of free thin liquid films. <i>Journal of Colloid and Interface Science</i> , 2015, 449, 462-479.	9.4	13
48	Fluorescent solute-partitioning characterization of layered soft contact lenses. <i>Acta Biomaterialia</i> , 2015, 15, 48-54.	8.3	12
49	Equilibrium water and solute uptake in silicone hydrogels. <i>Acta Biomaterialia</i> , 2015, 18, 112-117.	8.3	8
50	Multiscale Model of Proton Transport in Perfluorosulfonic-Acid Membrane. <i>ECS Transactions</i> , 2015, 69, 731-742.	0.5	2
51	Gibbs adsorption equation for planar fluidâ€“fluid interfaces: Invariant formalism. <i>Advances in Colloid and Interface Science</i> , 2015, 222, 600-614.	14.7	50
52	Flow Evaporimeter To Assess Evaporative Resistance of Human Tear-Film Lipid Layer. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 18130-18139.	3.7	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.	2.9	41
54	Evaporation-driven instability of the precorneal tear film. <i>Advances in Colloid and Interface Science</i> , 2014, 206, 250-264.	14.7	114

#	ARTICLE	IF	CITATIONS
55	Water-soluble drug partitioning and adsorption in HEMA/MAA hydrogels. <i>Biomaterials</i> , 2014, 35, 620-629.	11.4	40
56	Tear Dynamics in Healthy and Dry Eyes. <i>Current Eye Research</i> , 2014, 39, 580-595.	1.5	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.	9.4	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.	4.8	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.	4.8	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.	14.7	37
61	Macromolecule Sorption and Diffusion in HEMA/MAA Hydrogels. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 18109-18120.	3.7	41
62	Ice Crystallization During Cold-Start of a Proton-Exchange-Membrane Fuel Cell. <i>ECS Transactions</i> , 2013, 58, 897-905.	0.5	4
63	Ice-Crystallization Kinetics and Water Movement in Gas-Diffusion and Catalyst Layers. <i>ECS Transactions</i> , 2013, 50, 429-435.	0.5	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.	1.7	15
67	Cellulase Adsorption and Reactivity on a Cellulose Surface from Flow Ellipsometry. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 11389-11400.	3.7	51
68	Aqueous Solute Partitioning and Mesh Size in HEMA/MAA Hydrogels. <i>Macromolecules</i> , 2012, 45, 9177-9187.	4.8	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.	3.5	30
70	Competitive Sorption Kinetics of Inhibited Endo- and Exoglucanases on a Model Cellulose Substrate. <i>Langmuir</i> , 2012, 28, 14598-14608.	3.5	41
71	Molecular Structure of Interfacial Human Meibum Films. <i>Langmuir</i> , 2012, 28, 11858-11865.	3.5	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.	1.7	15

#	ARTICLE	IF	CITATIONS
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.	1.7	14
77	Dynamics of Flagellum- and Pilus-Mediated Association of Pseudomonas aeruginosa with Contact Lens Surfaces. Applied and Environmental Microbiology, 2011, 77, 3644-3652.	3.1	38
78	Oxygen-deficient metabolism and corneal edema. Progress in Retinal and Eye Research, 2011, 30, 471-492.	15.5	83
79	Permeability and partition coefficient of aqueous sodium chloride in soft contact lenses. Journal of Applied Polymer Science, 2011, 122, 1457-1471.	2.6	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.	9.4	6
81	Surface collision theory for suspension-based cleaning of particle-contaminated solid substrates. Journal of Applied Physics, 2011, 109, 053512.	2.5	3
82	Silicon-Wafer Cleaning with Aqueous Surfactant-Stabilized Gas/Solids Suspensions. Journal of the Electrochemical Society, 2011, 158, H55.	2.9	16
83	To the Editor: A Novel On-Eye Wettability Analyzer for Soft Contact Lenses. Optometry and Vision Science, 2011, 88, 1529.	1.2	0
84	The Role of Dispersed Nocardioform Filaments in Activated Sludge Foaming. Water Environment Research, 2010, 82, 483-491.	2.7	3
85	Water transport through soft contact lenses determined in a fan-evaporation cell. Journal of Membrane Science, 2010, 362, 529-534.	8.2	8
86	The role of electrolytes on protein adsorption at a hydrophilic solidâ€“water interface. Colloids and Surfaces B: Biointerfaces, 2010, 75, 100-106.	5.0	21
87	Ice Formation in Gas-Diffusion Layers. ECS Transactions, 2010, 33, 1143-1150.	0.5	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.	3.7	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.	3.4	15
90	Effect of sodium dodecylbenzene sulfonate on subtilisin Carlsberg proteolysis of an immobilized ovalbumin film. Biotechnology and Bioengineering, 2009, 102, 1273-1277.	3.3	2

#	ARTICLE	IF	CITATIONS
91	Role of surfactant on the proteolysis of aqueous bovine serum albumin. Biotechnology and Bioengineering, 2009, 102, 1330-1341.	3.3	17
92	Adsorption Kinetics and Mechanical Properties of Ultrathin Polyelectrolyte Multilayers: Liquid-Supported versus Solid-Supported Films. Journal of Physical Chemistry B, 2009, 113, 7128-7137.	2.6	81
93	Modeling Corneal Metabolism and Oxygen Transport During Contact Lens Wear. Optometry and Vision Science, 2009, 86, 454-466.	1.2	38
94	Water diffusion through hydrogel membranes. Journal of Membrane Science, 2008, 320, 423-430.	8.2	19
95	Polarographic Method for Measuring Oxygen Diffusivity and Solubility in Water-Saturated Polymer Films: A Application to Hypertransmissible Soft Contact Lenses. Industrial & Engineering Chemistry Research, 2008, 47, 3540-3550.	3.7	19
96	COMMENT ON: a new look at lubrication of the ocular surface—fluid mechanics behind the blinking eyelids. Ocular Surface, 2008, 6, 152-153.	4.4	2
97	Response of Drs. Radke and Chauhan. Ocular Surface, 2008, 6, 154.	4.4	0
98	Kinetics of Adsorption and Proteolytic Cleavage of a Multilayer Ovalbumin Film by Subtilisin Carlsberg. Langmuir, 2008, 24, 7388-7393.	3.5	15
99	Immobilized protein films for assessing surface proteolysis kinetics. Journal of Biotechnology, 2007, 132, 32-37.	3.8	16
100	Monte Carlo Simulations of Lennard-Jones Nonionic Surfactant Adsorption at the Liquid/Vapor Interface. Langmuir, 2007, 23, 1835-1844.	3.5	18
101	Monte Carlo Simulation of Mixed Lennard-Jones Nonionic Surfactant Adsorption at the Liquid/Vapor Interface. Langmuir, 2007, 23, 11580-11586.	3.5	13
102	A single-lens polarographic measurement of oxygen permeability (Dk) for hypertransmissible soft contact lenses. Biomaterials, 2007, 28, 4331-4342.	11.4	20
103	Diblock Copolymer Surfactant Transport across the Interface between Two Homopolymers. Langmuir, 2006, 22, 9192-9200.	3.5	5
104	Three-Dimensional Lattice Monte Carlo Simulations of Model Proteins. IV. Proteins at an Oil/Water Interface. Langmuir, 2006, 22, 3265-3272.	3.5	5
105	Relationship between Macroscopic and Microscopic Models of Surfactant Adsorption Dynamics at Fluid Interfaces. Langmuir, 2006, 22, 9201-9207.	3.5	2
106	Scalloped Channels Enhance Tear Mixing Under Hydrogel Contact Lenses. Optometry and Vision Science, 2006, 83, 874-878.	1.2	25
107	Post-lens tear-film depletion due to evaporative dehydration of a soft contact lens. Journal of Membrane Science, 2006, 275, 229-243.	8.2	24
108	Sorption kinetics and equilibrium uptake for water vapor in soft-contact-lens hydrogels. Journal of Biomedical Materials Research - Part A, 2006, 77A, 230-241.	4.0	18

#	ARTICLE	IF	CITATIONS
109	Glass-transition temperatures for soft-contact-lens materials. Dependence on water content. <i>Polymer</i> , 2005, 46, 4845-4852.	3.8	26
110	Imaging of reconstituted purple membranes by atomic force microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 41, 263-276.	5.0	2
111	Steady-state diffusion of water through soft-contact-lens materials. <i>Biomaterials</i> , 2005, 26, 5704-5716.	11.4	40
112	Diffusivity of water through a HEMA-based soft contact lens. <i>Fluid Phase Equilibria</i> , 2005, 228-229, 269-273.	2.5	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.	9.4	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.	1.5	23
115	LETTER TO THE EDITOR: Comments on "The Thickness of the Tear Film" <i>Current Eye Research</i> , 2005, 30, 1131-1132.	1.5	10
116	Equilibrium swelling and mesoscopic structure of a diblock copolymer gel in a selective solvent. <i>Molecular Physics</i> , 2005, 103, 1431-1440.	1.7	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.	4.8	54
118	A Combined Streaming-Potential Optical Reflectometer for Studying Adsorption at the Water/Solid Surface. <i>Langmuir</i> , 2005, 21, 10127-10139.	3.5	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.	4.8	30
120	AOT and Pluronic F68 Coadsorption at Fluid/Fluid Interfaces: A Continuous-Flow Tensiometry Study. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 1129-1138.	3.7	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.	7.6	16
122	Reduced protein adsorption at solid interfaces by sugar excipients. <i>Biotechnology and Bioengineering</i> , 2004, 87, 565-573.	3.3	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.	7.4	34
124	Wettability of silicone-hydrogel contact lenses in the presence of tear-film components. <i>Current Eye Research</i> , 2004, 28, 93-108.	1.5	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.	2.8	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.	2.6	8

#	ARTICLE	IF	CITATIONS
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.	4.8	29
128	Molecular Dynamics Simulations of Surface Tensions of Aqueous Electrolytic Solutions. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9077-9084.	2.6	55
129	Shear and Dilatational Relaxation Mechanisms of Globular and Flexible Proteins at the Hexadecane/Water Interface. <i>Langmuir</i> , 2004, 20, 10159-10167.	3.5	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.	2.6	258
131	RELAXATION OF ASPHALTENES AT THE TOLUENE/WATER INTERFACE: DIFFUSION EXCHANGE AND SURFACE REARRANGEMENT. <i>Journal of Adhesion</i> , 2004, 80, 481-496.	3.0	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.	3.3	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.	9.4	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.	9.4	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.	3.8	82
136	The role of interfacial rheology in reservoir mixed wettability. <i>Journal of Petroleum Science and Engineering</i> , 2003, 39, 137-158.	4.2	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.	2.8	10
138	Permeability and diffusivity for water transport through hydrogel membranes. <i>Journal of Membrane Science</i> , 2003, 214, 199-209.	8.2	65
139	Dilatational Rheology of BSA Conformers at the Air/Water Interface. <i>Langmuir</i> , 2003, 19, 2349-2356.	3.5	199
140	Surface Forces and Drainage Kinetics of Protein-Stabilized Aqueous Films. <i>Langmuir</i> , 2003, 19, 7503-7513.	3.5	53
141	Molecular Simulation of Disjoining-Pressure Isotherms for Free Aqueous Thin Films. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13076-13083.	2.6	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.	2.8	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.	1.5	63

#	ARTICLE	IF	CITATIONS
145	Molecular thermodynamics for swelling of a bicontinuous gel. <i>Molecular Physics</i> , 2002, 100, 2277-2297.	1.7	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.	2.6	48
147	Wetting Behavior of Silicone Oils on Solid Substrates Immersed in Aqueous Electrolyte Solutions. <i>Langmuir</i> , 2002, 18, 6821-6829.	3.5	38
148	Direct Imaging of Lysozyme Adsorption onto Mica by Atomic Force Microscopy. <i>Langmuir</i> , 2002, 18, 5841-5850.	3.5	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.	3.3	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.	9.4	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.	14.7	268
152	Dispersive Mixing in the Posterior Tear Film Under a Soft Contact Lens. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 3015-3026.	3.7	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.	3.5	62
154	Modeling of a Two-Phase Electrochemical Reactor for the Fluorination of Organic Compounds. 2. Multiple Steady States. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 3117-3126.	3.7	4
155	Spreading of Aqueous Trisiloxane Surfactant Solutions over Liquid Hydrophobic Substrates. <i>Langmuir</i> , 2001, 17, 335-348.	3.5	51
156	Modeling of a Two-Phase Electrochemical Reactor for the Fluorination of Organic Compounds. 1. Maximum Production Rate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 3109-3116.	3.7	4
157	Role of organic solvents on Pa-hydroxynitrile lyase interfacial activity and stability. <i>Biotechnology and Bioengineering</i> , 2001, 74, 18-28.	3.3	30
158	Transient linear stability of a Simons-process gas-liquid electrochemical flow reactor using numerical simulations. <i>Chemical Engineering Science</i> , 2001, 56, 5815-5834.	3.8	10
159	The Role of Fenestrations and Channels on the Transverse Motion of a Soft Contact Lens. <i>Optometry and Vision Science</i> , 2001, 78, 732-743.	1.2	14
160	Modeling the vertical motion of a soft contact lens. <i>Current Eye Research</i> , 2001, 22, 102-108.	1.5	24
161	Transient Foam Displacement in the Presence of Residual Oil:Â Experiment and Simulation Using a Population-Balance Model. <i>Industrial &amp; Engineering Chemistry Research</i> , 2000, 39, 2725-2741.	3.7	109
162	Dynamic lattice Monte Carlo simulation of a model protein at an oil/water interface. <i>Journal of Chemical Physics</i> , 2000, 112, 9167-9185.	3.0	58

#	ARTICLE	IF	CITATIONS
163	Peptide interfacial adsorption is kinetically limited by the thermodynamic stability of self association. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 5054-5059.	7.1	56
164	Protein adsorption at the oil/water interface: characterization of adsorption kinetics by dynamic interfacial tension measurements. Biophysical Chemistry, 1999, 81, 59-80.	2.8	485
165	A nonlinear corrosion model for the entrance region in laminar flow electrification of hydrocarbon liquids. Journal of Electrostatics, 1999, 46, 247-257.	1.9	6
166	Hydroxynitrile lyase at the diisopropyl ether/water interface: Evidence for interfacial enzyme activity. Biotechnology and Bioengineering, 1999, 65, 425-436.	3.3	33
167	Spreading of Aqueous Dimethyldidodecylammonium Bromide Surfactant Droplets over Liquid Hydrocarbon Substrates. Langmuir, 1999, 15, 7392-7402.	3.5	28
168	Hydroxynitrile lyase adsorption at liquid/liquid interfaces. Journal of Molecular Catalysis B: Enzymatic, 1998, 5, 349-354.	1.8	22
169	Surface Conductivity and Disjoining Pressure of Common Black Films Stabilized with Sodium Dodecyl Sulfate. Journal of Colloid and Interface Science, 1998, 203, 69-82.	9.4	8
170	Adsorption dynamics of l-glutamic acid copolymers at a heptane/water interface. Biophysical Chemistry, 1998, 70, 121-132.	2.8	36
171	Profiles and Performance Curves in a Parallel-Plate Reactor for the Electrochemical Fluorination of Hydrocarbons. Journal of the Electrochemical Society, 1998, 145, 1578-1585.	2.9	6
172	Osmotic Pressure and Interparticle Interactions in Ionic Micellar Surfactant Solutions. Journal of Physical Chemistry B, 1998, 102, 2739-2753.	2.6	33
173	Total Internal Reflection Fluorescence Spectrometer To Study Dynamic Adsorption Phenomena at Liquid/Liquid Interfaces. Industrial & Engineering Chemistry Research, 1998, 37, 3159-3168.	3.7	24
174	A Self-Consistent Multicomponent Activity Coefficient Model for Ionic Micellar Surfactant Solutions. Langmuir, 1998, 14, 2297-2306.	3.5	12
175	In vivo tear-film thickness determination and implications for tear-film stability. Current Eye Research, 1998, 17, 1058-1066.	1.5	100
176	Asphaltenes, Water Films, and Wettability Reversal. SPE Journal, 1997, 2, 485-493.	3.1	69
177	Mechanistic Foam Flow Simulation in Heterogeneous and Multidimensional Porous Media. SPE Journal, 1997, 2, 511-526.	3.1	110
178	Onset of Mobilization and the Fraction of Trapped Foam in Porous Media. Transport in Porous Media, 1997, 28, 253-284.	2.6	47
179	A Linearized Corrosion Double-Layer Model for Laminar Flow Electrification of Hydrocarbon Liquids in Metal Pipes. Industrial & Engineering Chemistry Research, 1996, 35, 3195-3202.	3.7	17
180	A physicochemical explanation for flow electrification in low-conductivity liquids in contact with a corroding wall. IEEE Transactions on Industry Applications, 1996, 32, 1051-1057.	4.9	74

#	ARTICLE	IF	CITATIONS
181	The role of alkali cations in zeolite synthesis from silicate solutions containing N,N,N-trimethyl-1-adamantammonium cations. <i>Catalysis Letters</i> , 1996, 38, 1-9.	2.6	20
182	An ion-binding model for ionic surfactant adsorption at aqueous-fluid interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996, 114, 337-350.	4.7	147
183	Effective viscosities in thin ionic micellar liquid films. <i>AIChE Journal</i> , 1996, 42, 2005-2013.	3.6	6
184	Two-Dimensional Network Simulation of Diffusion-Driven Coarsening of Foam Inside a Porous Medium. <i>Journal of Colloid and Interface Science</i> , 1996, 179, 357-373.	9.4	24
185	A mechanistic study of the synthesis of zeolite SSZ-24. <i>Microporous Materials</i> , 1996, 6, 131-150.	1.6	10
186	Ionic surface diffusion coefficients using an electrostatic patchy charge model. <i>Journal of Electroanalytical Chemistry</i> , 1996, 405, 23-32.	3.8	2
187	Cross-flow ultrafiltration of micellar surfactant solutions. <i>AIChE Journal</i> , 1995, 41, 2058-2066.	3.6	36
188	A mechanistic population balance model for transient and steady-state foam flow in Boise sandstone. <i>Chemical Engineering Science</i> , 1995, 50, 3783-3799.	3.8	211
189	Disjoining pressure and stratification in asymmetric thin-liquid films. <i>Colloid and Polymer Science</i> , 1995, 273, 165-174.	2.1	55
190	Zeolite synthesis from tetraalkylammonium silicate gels. <i>Microporous Materials</i> , 1995, 3, 511-530.	1.6	15
191	Foam flow through a transparent rough-walled rock fracture. <i>Journal of Petroleum Science and Engineering</i> , 1995, 13, 75-86.	4.2	65
192	Design of Micellar-Enhanced Ultrafilters. <i>Industrial &amp; Engineering Chemistry Research</i> , 1995, 34, 2436-2449.	3.7	15
193	The motion of long bubbles in polygonal capillaries. Part 1. Thin films. <i>Journal of Fluid Mechanics</i> , 1995, 292, 71-94.	3.4	249
194	The motion of long bubbles in polygonal capillaries. Part 2. Drag, fluid pressure and fluid flow. <i>Journal of Fluid Mechanics</i> , 1995, 292, 95-110.	3.4	229
195	Fundamentals of Foam Transport in Porous Media. <i>Advances in Chemistry Series</i> , 1994, , 115-163.	0.6	205
196	Density-functional modeling of structure and forces in thin micellar liquid films. <i>Journal of Chemical Physics</i> , 1994, 101, 6979-6991.	3.0	67
197	Surfactant Exchange Kinetics at the Air/Water Interface from the Dynamic Tension of Growing Liquid Drops. <i>Journal of Colloid and Interface Science</i> , 1994, 166, 73-88.	9.4	89
198	Brownian dynamics of sterically-stabilized colloidal suspensions. <i>AIChE Journal</i> , 1994, 40, 283-293.	3.6	4

#	ARTICLE	IF	CITATIONS
199	Role of tetrapropylammonium cations in gel-phase silicalite synthesis. <i>Microporous Materials</i> , 1994, 2, 145-158.	1.6	17
200	The influence of disjoining pressure on foam stability and flow in porous media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1994, 83, 109-120.	4.7	178
201	Micellar ultrafiltration in an unstirred batch cell at constant flux. <i>Journal of Membrane Science</i> , 1994, 86, 241-261.	8.2	23
202	Charge Effects in the Transient Adsorption of Ionic Surfactants at Fluid Interfaces. <i>Langmuir</i> , 1994, 10, 3555-3566.	3.5	76
203	Oxidation of Reduced Platinum Clusters in Pt-NaY. <i>Journal of Catalysis</i> , 1993, 144, 506-524.	6.2	22
204	A Growing Drop Technique for Measuring Dynamic Interfacial Tension. <i>Journal of Colloid and Interface Science</i> , 1993, 160, 435-448.	9.4	135
205	A pore-level scenario for the development of mixed wettability in oil reservoirs. <i>AIChE Journal</i> , 1993, 39, 1072-1085.	3.6	416
206	Generalized entering coefficients: a criterion for foam stability against oil in porous media. <i>Langmuir</i> , 1993, 9, 1704-1713.	3.5	152
207	Double layer interactions between charge-regulated colloidal surfaces: pair potentials for spherical particles bearing ionogenic surface groups. <i>Advances in Colloid and Interface Science</i> , 1993, 47, 59-147.	14.7	45
208	Phosphorus-31 and aluminum-27 NMR investigations of highly acidic, aqueous solutions containing aluminum and phosphorus. <i>The Journal of Physical Chemistry</i> , 1993, 97, 767-774.	2.9	60
209	Phosphorus-31 and aluminum-27 NMR investigations of the effects of pH on aqueous solutions containing aluminum and phosphorus. <i>The Journal of Physical Chemistry</i> , 1993, 97, 775-782.	2.9	87
210	Silicon-29 and gallium-71 NMR investigations of alkylammonium gallosilicate solutions. <i>The Journal of Physical Chemistry</i> , 1992, 96, 2968-2975.	2.9	9
211	Equilibrium measurements of oscillatory disjoining pressures in aqueous foam films. <i>Langmuir</i> , 1992, 8, 3020-3026.	3.5	349
212	Hole formation and sheeting in the drainage of thin liquid films. <i>Langmuir</i> , 1992, 8, 3027-3032.	3.5	94
213	The effects of gel aging on the synthesis of NaY zeolite from colloidal silica. <i>Zeolites</i> , 1992, 12, 742-749.	0.5	83
214	Two-dimensional menisci in nonaxisymmetric capillaries. <i>Journal of Colloid and Interface Science</i> , 1992, 148, 284-287.	9.4	25
215	Influence of Texture on Steady Foam Flow in Berea Sandstone. <i>SPE Reservoir Engineering</i> , 1992, 7, 83-90.	0.5	176
216	A physicochemical study of the aging of colloidal silica gels used in zeolite Y synthesis. <i>Zeolites</i> , 1992, 12, 733-741.	0.5	72

#	ARTICLE	IF	CITATIONS
217	Three-dimensional menisci in polygonal capillaries. Journal of Colloid and Interface Science, 1992, 148, 317-336.	9.4	134
218	Effects of solvent structure on the distribution of silicate anions in mixed aqueous/organic solutions of alkaline tetramethylammonium silicate. The Journal of Physical Chemistry, 1991, 95, 9519-9524.	2.9	26
219	Effect of silicate ratio on the distribution of silicate and aluminosilicate anions in TPA aluminosilicate solutions. The Journal of Physical Chemistry, 1991, 95, 4501-4506.	2.9	32
220	Effects of organic and alkali metal cations on the distribution of silicate anions in aqueous solutions. The Journal of Physical Chemistry, 1991, 95, 9513-9518.	2.9	36
221	Incorporation of aluminum into silicate anions in aqueous and methanolic solutions of TMA silicates. The Journal of Physical Chemistry, 1991, 95, 7847-7851.	2.9	41
222	Streaming potentials of nonuniformly charged surfaces. Journal of Colloid and Interface Science, 1991, 141, 338-347.	9.4	24
223	Electrostatic interactions in colloidal suspensions: Tests of pairwise additivity. AIChE Journal, 1991, 37, 805-824.	3.6	30
224	NMR investigations of tetrapropylammonium aluminosilicate and borosilicate solutions. The Journal of Physical Chemistry, 1991, 95, 372-378.	2.9	51
225	The dynamics of liquid film breakup in constricted cylindrical capillaries. Journal of Colloid and Interface Science, 1990, 134, 14-40.	9.4	81
226	Transport of aromatic molecules in NaY Zeolite powders. AIChE Journal, 1990, 36, 1562-1568.	3.6	14
227	Aqueous Foams for Control of Gas Migration and Water Coning in Aquifer Gas Storage. Energy Sources Part A Recovery, Utilization, and Environmental Effects, 1990, 12, 479-497.	0.5	29
228	Variational approach to the electrostatic free energy in charged colloidal suspensions: general theory for open systems. Journal of the Chemical Society, Faraday Transactions, 1990, 86, 3901.	1.7	71
229	A Pore-Level Investigation of Foam/Oil Interactions in Porous Media. SPE Reservoir Engineering, 1990, 5, 495-502.	0.5	109
230	Multinuclear NMR investigation of the formation of aluminosilicate anions. The Journal of Physical Chemistry, 1989, 93, 1741-1744.	2.9	82
231	Influence of alkali-metal cations on silicon exchange and silicon-29 spin relaxation in alkaline silicate solutions [Erratum to document cited in CA110(14):122353c]. The Journal of Physical Chemistry, 1989, 93, 8270-8270.	2.9	1
232	Dynamic Stability of Foam Lamellae Flowing Through a Periodically Constricted Pore. ACS Symposium Series, 1989, , 460-479.	0.5	54
233	Modeling wet impregnation of nickel on $\gamma$ -Alumina. Journal of Catalysis, 1989, 117, 52-70.	6.2	25
234	Dynamics of Haines jumps for compressible bubbles in constricted capillaries. AIChE Journal, 1989, 35, 230-240.	3.6	38

#	ARTICLE	IF	CITATIONS
235	Magic-angle-spinning NMR spectroscopy of gels. Journal of Magnetic Resonance, 1989, 81, 217-219.	0.5	2
236	Influence of alkali-metal cations on silicon exchange and silicon-29 spin relaxation in alkaline silicate solutions. The Journal of Physical Chemistry, 1989, 93, 1737-1741.	2.9	32
237	A radially perfused cell for measuring diffusion in compacted, highly sorbing media. Industrial & Engineering Chemistry Research, 1989, 28, 347-355.	3.7	4
238	Influence of Soluble Surfactants on the Flow of Long Bubbles Through a Cylindrical Capillary. ACS Symposium Series, 1989, , 480-501.	0.5	43
239	Self-Diffusion in Electrostatically Stabilized Colloidal Suspensions Using Brownian Dynamics. Molecular Simulation, 1989, 2, 3-14.	2.0	4
240	Evidence from alkali-metal NMR spectroscopy for ion pairing in alkaline silicate solutions. The Journal of Physical Chemistry, 1989, 93, 1733-1737.	2.9	57
241	Applications of MAS-NMR Spectroscopy to the Study of Faujasite Synthesis. Studies in Surface Science and Catalysis, 1989, 49, 161-168.	1.5	5
242	Laminar flow of a wetting liquid along the corners of a predominantly gas-occupied noncircular pore. Journal of Colloid and Interface Science, 1988, 121, 392-401.	9.4	316
243	An extended evolution equation for liquid film breakup in cylindrical capillaries. Chemical Engineering Science, 1988, 43, 1457-1465.	3.8	129
244	Caesium and strontium diffusion through sodium montmorillonite at elevated temperature. Journal of Soil Science, 1988, 39, 53-64.	1.2	25
245	A zeta-potential model for ionic surfactant adsorption on an ionogenic hydrophobic surface. Journal of Colloid and Interface Science, 1988, 125, 575-585.	9.4	64
246	Experimental determination of gas-bubble breakup in a constricted cylindrical capillary. Industrial & Engineering Chemistry Research, 1988, 27, 1282-1291.	3.7	36
247	Probing metal cluster formation in NaY zeolite by xenon-129 NMR. Journal of the American Chemical Society, 1988, 110, 4465-4467.	13.7	34
248	Mechanisms of Foam Generation in Glass-Bead Packs. SPE Reservoir Engineering, 1988, 3, 573-585.	0.5	238
249	Diffusion of H <sup>+</sup> and OH <sup>-</sup> in porous solids. Journal of the Chemical Society Faraday Transactions I, 1988, 84, 3927.	1.0	5
250	Chromatographie Transport of Alkaline Buffers Through Reservoir Rock. SPE Reservoir Engineering, 1988, 3, 849-856.	0.5	19
251	Dissolution and Condensation Kinetics of Silica in Alkaline Solution. SPE Reservoir Engineering, 1988, 3, 743-752.	0.5	17
252	The Influence of Alkali Metal Hydroxides on Silica Condensation Rates: The Role of Ion Pairing. Materials Research Society Symposia Proceedings, 1988, 121, 67.	0.1	4

#	ARTICLE	IF	CITATIONS
253	Effect of Alkali Metal Cations on Silicate Structures in Aqueous Solution. ACS Symposium Series, 1988, , 222-235.	0.5	8
254	The Effect of Alkali Metal Cations on The Structure of Dissolved Silicate Oligomers. Materials Research Society Symposia Proceedings, 1987, 111, 107.	0.1	7
255	An Experimental Investigation of Gas-Bubble Breakup in Constricted Square Capillaries. JPT, Journal of Petroleum Technology, 1987, 39, 1137-1146.	0.2	32
256	The role of a bentonite-based packing in limiting steady radionuclide release from an underground high-level waste repository. Annals of Nuclear Energy, 1987, 14, 153-157.	1.8	0
257	Snap-off of gas bubbles in smoothly constricted noncircular capillaries. AIChE Journal, 1987, 33, 753-765.	3.6	144
258	Quantitative determination of siliceous species in sodium silicate solutions by <sup>29</sup> Si n.m.r. spectroscopy. Zeolites, 1987, 7, 183-190.	0.5	58
259	A filtration model for the flow of dilute, stable emulsions in porous mediaâ€”I. Theory. Chemical Engineering Science, 1986, 41, 263-272.	3.8	147
260	Kinetics of liquid/liquid capillary rise. Journal of Colloid and Interface Science, 1986, 109, 398-412.	9.4	76
261	Kinetics of liquid/liquid capillary rise. Journal of Colloid and Interface Science, 1986, 109, 413-425.	9.4	35
262	A filtration model for the flow of dilute, stable emulsions in porous mediaâ€”II. Parameter evaluation and estimation. Chemical Engineering Science, 1986, 41, 273-281.	3.8	87
263	A Nonequilibrium Description of Alkaline Waterflooding. SPE Reservoir Engineering, 1986, 1, 29-43.	0.5	31
264	Dispersion Attendant Sodium/ Hydrogen Ion Exchange in Reservoir Sands. SPE Reservoir Engineering, 1986, 1, 607-610.	0.5	3
265	The Origin of Reversible Hydroxide Uptake on Reservoir Rock. Society of Petroleum Engineers Journal, 1985, 25, 711-718.	0.9	17
266	Spillover of the diffuse double layer on montmorillonite particles. Journal of Colloid and Interface Science, 1985, 103, 237-244.	9.4	97
267	Adsorption of weak organic electrolytes from dilute aqueous solution onto activated carbon. Part I. Single-solute systems. Journal of Colloid and Interface Science, 1985, 103, 466-483.	9.4	70
268	Adsorption of weak organic electrolytes from dilute aqueous solution onto activated carbon. Part II. Multisolute systems. Journal of Colloid and Interface Science, 1985, 103, 484-492.	9.4	25
269	Flow of dilute, stable liquid and solid dispersions in underground porous media. AIChE Journal, 1985, 31, 1926-1928.	3.6	21
270	Velocity effects in emulsion flow through porous media. Journal of Colloid and Interface Science, 1984, 102, 462-476.	9.4	63

#	ARTICLE	IF	CITATIONS
271	Flow mechanism of dilute, stable emulsions in porous media. Industrial & Engineering Chemistry Fundamentals, 1984, 23, 342-347.	0.7	140
272	Linear Oil Displacement by the Emulsion Entrapment Process. Society of Petroleum Engineers Journal, 1984, 24, 351-360.	0.9	24
273	Role of Clays in the Enhanced Recovery of Petroleum From Some California Sands. JPT, Journal of Petroleum Technology, 1983, 35, 643-654.	0.2	47
274	Divalent Ion Exchange With Alkali. Society of Petroleum Engineers Journal, 1983, 23, 657-668.	0.9	23
275	Migration of Alkaline Pulses in Reservoir Sands. Society of Petroleum Engineers Journal, 1982, 22, 998-1012.	0.9	62
276	A Chemical Theory for Linear Alkaline Flooding. Society of Petroleum Engineers Journal, 1982, 22, 245-258.	0.9	101
277	Dynamic interfacial tension minima in finite systems. Chemical Engineering Science, 1980, 35, 1129-1138.	3.8	105
278	Area effects in spinning-drop dynamic interfacial tensions. Chemical Engineering Science, 1980, 35, 1458-1460.	3.8	12
279	Molecular orientation of aqueous surfactants on a hydrophobic solid. Journal of Colloid and Interface Science, 1980, 78, 225-234.	9.4	58
280	Adsorption of weak organic electrolytes from aqueous solution on activated carbon. Effect of pH. The Journal of Physical Chemistry, 1980, 84, 369-376.	2.9	77
281	Charge and Filtration of Solvent Refined Coal Suspensions. Industrial & Engineering Chemistry Process Design and Development, 1979, 18, 708-713.	0.6	3
282	Solution adsorption from liquid chromatography. Journal of Colloid and Interface Science, 1978, 66, 153-165.	9.4	56
283	Adsorption of Organic Solutes from Dilute Aqueous Solution of Activated Carbon. Industrial & Engineering Chemistry Fundamentals, 1972, 11, 445-451.	0.7	283
284	Statistical Mechanics of Adsorption from Dilute Liquid Solution. Journal of Chemical Physics, 1972, 57, 714-722.	3.0	9
285	Thermodynamics of multi-solute adsorption from dilute liquid solutions. AIChE Journal, 1972, 18, 761-768.	3.6	456
286	Wetting and Spreading Dynamics. , 0, , .		138