Jyh-Ping Hsu

List of Publications by Year
in descending order

295 papers	5,916 citations	93792 39 h-index	150775 59 g-index
300 all docs	300 docs citations	300 times ranked	3468 citing authors

#	Article	IF	Citations
1	Nanofiltration through pH-regulated bipolar cylindrical nanopores for solution containing symmetric, asymmetric, and mixed salts. Journal of Membrane Science, 2022, 641, 119869.	4.1	4
2	Space charge modulation and ion current rectification of a cylindrical nanopore functionalized with polyelectrolyte brushes subject to an applied pH-gradient. Journal of Colloid and Interface Science, 2022, 605, 571-581.	5.0	10
3	Pressure-driven power generation and ion separation using a non-uniformly charged nanopore. Journal of Colloid and Interface Science, 2022, 607, 1120-1130.	5.0	5
4	Improving the osmotic energy conversion efficiency of multiple nanopores by a cross flow. Journal of Membrane Science, 2022, 644, 120075.	4.1	8
5	Nanosensing of Acetylcholine Molecules: Influence of the Association Mechanism. Langmuir, 2022, 38, 289-298.	1.6	2
6	Controllable interface engineering of g-C3N4/CuS nanocomposite photocatalysts. Journal of Alloys and Compounds, 2022, 911, 165020.	2.8	25
7	Improving the performance of salinity gradient power generation by a negative pressure difference. Journal of the Taiwan Institute of Chemical Engineers, 2022, 134, 104351.	2.7	3
8	Improving stability of MXenes. Nano Research, 2022, 15, 6551-6567.	5.8	87
9	Electrokinetic behavior of bullet-shaped nanopores modified by functional groups: Influence of finite thickness of modified layer. Journal of Colloid and Interface Science, 2021, 582, 741-751.	5.0	15
10	Electrokinetic behavior of a pH-regulated dielectric cylindrical nanopore. Journal of Colloid and Interface Science, 2021, 588, 94-100.	5.0	8
11	Amorphous mesoporous matrix from metal-organic framework UiO-66 template with strong nucleophile substitution. Chemosphere, 2021, 268, 129155.	4.2	2
12	Nanopore-based desalination subject to simultaneously applied pressure gradient and gating potential. Journal of Colloid and Interface Science, 2021, 594, 737-744.	5.0	8
13	A dynamic anode boosting sulfamerazine mineralization <i>via</i> electrochemical oxidation. Journal of Materials Chemistry A, 2021, 10, 192-208.	5.2	12
14	Theoretical Modeling of Nanopore-Based Detection of Trace Concentrations of Cesium Ions in an Aqueous Environment. Journal of Physical Chemistry C, 2021, 125, 24211-24220.	1.5	3
15	Origin of Ultrahigh Rectification in Polyelectrolyte Bilayers Modified Conical Nanopores. Journal of Physical Chemistry Letters, 2021, 12, 11858-11864.	2.1	10
16	Tunable Current Rectification and Selectivity Demonstrated in Nanofluidic Diodes through Kinetic Functionalization. Journal of Physical Chemistry Letters, 2020, 11, 60-66.	2.1	42
17	Pressure-driven energy conversion of conical nanochannels: Anomalous dependence of power generated and efficiency on pH. Journal of Colloid and Interface Science, 2020, 564, 491-498.	5.0	22
18	Ultrashort nanopores of large radius can generate anomalously high salinity gradient power. Electrochimica Acta, 2020, 353, 136613.	2.6	15

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19	Pressure-driven ion separation through a pH-regulated cylindrical nanopore. Journal of Membrane Science, 2020, 604, 118073.	4.1	17
20	Detection of the trace level of heavy metal ions by pH-regulated conical nanochannels. Journal of the Taiwan Institute of Chemical Engineers, 2020, 109, 145-152.	2.7	12
21	Built-in electric field-assisted step-scheme heterojunction of carbon nitride-copper oxide for highly selective electrochemical detection of p-nonylphenol. Electrochimica Acta, 2020, 354, 136658.	2.6	26
22	Ion current rectification behavior of a nanochannel having nonuniform crossâ€section. Electrophoresis, 2020, 41, 802-810.	1.3	15
23	Development of a mathematical model of viscosity for prediction of emulsion of Water/Wax crude oil. Petroleum Science and Technology, 2020, 38, 478-485.	0.7	0
24	Estimating the thermodynamic equilibrium constants of metal oxide particles through a general electrophoresis model. Journal of Colloid and Interface Science, 2020, 574, 293-299.	5.0	0
25	Modulation of Charge Density and Charge Polarity of Nanopore Wall by Salt Gradient and Voltage. ACS Nano, 2019, 13, 9868-9879.	7.3	42
26	Unraveling the Anomalous Surface-Charge-Dependent Osmotic Power Using a Single Funnel-Shaped Nanochannel. ACS Nano, 2019, 13, 13374-13381.	7.3	86
27	Regulating the ionic current rectification behavior of branched nanochannels by filling polyelectrolytes. Journal of Colloid and Interface Science, 2019, 557, 683-690.	5.0	18
28	Protection against Neurodegeneration in the Hippocampus Using Sialic Acid- and 5-HT-Moduline-Conjugated Lipopolymer Nanoparticles. ACS Biomaterials Science and Engineering, 2019, 5, 1311-1320.	2.6	8
29	Electrokinetic ion transport in an asymmetric double-gated nanochannel with a pH-tunable zwitterionic surface. Physical Chemistry Chemical Physics, 2019, 21, 7773-7780.	1.3	12
30	An ultrathin ionomer interphase for high efficiency lithium anode in carbonate based electrolyte. Nature Communications, 2019, 10, 5824.	5.8	62
31	Ion transport in a pH-regulated conical nanopore filled with a power-law fluid. Journal of Colloid and Interface Science, 2019, 537, 358-365.	5.0	10
32	Voltage-controlled ion transport and selectivity in a conical nanopore functionalized with pH-tunable polyelectrolyte brushes. Journal of Colloid and Interface Science, 2019, 537, 496-504.	5.0	20
33	Dual pH Gradient and Voltage Modulation of Ion Transport and Current Rectification in Biomimetic Nanopores Functionalized with a pH-Tunable Polyelectrolyte. Journal of Physical Chemistry C, 2019, 123, 12437-12443.	1.5	28
34	Effective adsorption of phosphoric acid by UiO-66 and UiO-66-NH2 from extremely acidic mixed waste acids: Proof of concept. Journal of the Taiwan Institute of Chemical Engineers, 2019, 96, 483-486.	2.7	17
35	Power generation from a pH-regulated nanochannel through reverse electrodialysis: Effects of nanochannel shape and non-uniform H+ distribution. Electrochimica Acta, 2019, 294, 84-92.	2.6	58
36	An ultra-sensitive electrochemical sensor based on 2D g-C3N4/CuO nanocomposites for dopamine detection. Carbon, 2018, 130, 652-663.	5.4	250

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37	Rectification of ionic current in nanopores functionalized with bipolar polyelectrolyte brushes. Sensors and Actuators B: Chemical, 2018, 258, 1223-1229.	4.0	53
38	Influence of temperature and electroosmotic flow on the rectification behavior of conical nanochannels. Journal of the Taiwan Institute of Chemical Engineers, 2018, 93, 142-149.	2.7	18
39	Water stable metal-organic framework as adsorbent from aqueous solution: A mini-review. Journal of the Taiwan Institute of Chemical Engineers, 2018, 93, 176-183.	2.7	60
40	Influence of salt valence on the rectification behavior of nanochannels. Journal of Colloid and Interface Science, 2018, 531, 483-492.	5.0	31
41	Ionic Current Rectification in a Conical Nanopore: Influences of Electroosmotic Flow and Type of Salt. Journal of Physical Chemistry C, 2017, 121, 4576-4582.	1.5	66
42	Importance of polyelectrolyte modification for rectifying the ionic current in conically shaped nanochannels. Physical Chemistry Chemical Physics, 2017, 19, 5351-5360.	1.3	45
43	Separation of charge-regulated polyelectrolytes by pH-assisted diffusiophoresis. Physical Chemistry Chemical Physics, 2017, 19, 9059-9063.	1.3	3
44	Ion Current Rectification Behavior of Bioinspired Nanopores Having a pH-Tunable Zwitterionic Surface. Analytical Chemistry, 2017, 89, 3952-3958.	3.2	62
45	Salt-Dependent Ion Current Rectification in Conical Nanopores: Impact of Salt Concentration and Cone Angle. Journal of Physical Chemistry C, 2017, 121, 28139-28147.	1.5	33
46	Sedimentation of a pH-Regulated Nanoparticle in a Generalized Gravitational Field. Journal of Physical Chemistry C, 2017, 121, 24272-24281.	1.5	2
47	Power generation by a pH-regulated conical nanopore through reverse electrodialysis. Journal of Power Sources, 2017, 366, 169-177.	4.0	73
48	Diffusiophoresis of a pH-regulated polyelectrolyte in a pH-regulated nanochannel. Sensors and Actuators B: Chemical, 2017, 252, 1132-1139.	4.0	9
49	Diffusiophoresis of a pH-regulated toroidal polyelectrolyte in a solution containing multiple ionic species. Journal of Colloid and Interface Science, 2017, 486, 351-358.	5.0	0
50	Modeling the release of a reagent from an inwardly tapered disk with a central hole. Journal of Engineering Mathematics, 2016, 98, 1-9.	0.6	1
51	Salinity gradient power: Optimization of nanopore size. Electrochimica Acta, 2016, 219, 790-797.	2.6	41
52	Highly Charged Particles Cause a Larger Current Blockage in Micropores Compared to Neutral Particles. ACS Nano, 2016, 10, 8413-8422.	7.3	57
53	Salt gradient driven ion transport in solid-state nanopores: the crucial role of reservoir geometry and size. Physical Chemistry Chemical Physics, 2016, 18, 30160-30165.	1.3	55
54	Influences of Cone Angle and Surface Charge Density on the Ion Current Rectification Behavior of a Conical Nanopore. Journal of Physical Chemistry C, 2016, 120, 25620-25627.	1.5	63

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55	Ionic Current Rectification in a pH-Tunable Polyelectrolyte Brushes Functionalized Conical Nanopore: Effect of Salt Gradient. Analytical Chemistry, 2016, 88, 1176-1187.	3.2	70
56	Diffusiophoresis of a charged toroidal polyelectrolyte. Journal of Colloid and Interface Science, 2016, 471, 14-19.	5.0	2
57	Salinity gradient power: influences of temperature and nanopore size. Nanoscale, 2016, 8, 2350-2357.	2.8	99
58	Diffusiophoresis of a charged, rigid sphere in a Carreau fluid. Journal of Colloid and Interface Science, 2016, 465, 54-57.	5.0	9
59	Effect of eccentricity on the electroosmotic flow in an elliptic channel. Journal of Colloid and Interface Science, 2015, 460, 81-86.	5.0	3
60	Regulating Current Rectification and Nanoparticle Transport Through a Salt Gradient in Bipolar Nanopores. Small, 2015, 11, 4594-4602.	5.2	60
61	Influence of double-layer polarization and chemiosmosis on the diffusiophoresis of a non-spherical polyelectrolyte. Journal of Colloid and Interface Science, 2015, 446, 272-281.	5.0	5
62	Influence of electroosmotic flow on the ionic current rectification in a pH-regulated, conical nanopore. Nanoscale, 2015, 7, 14023-14031.	2.8	54
63	Electrophoresis of two spheres: Influence of double layer and van der Waals interactions. Journal of Colloid and Interface Science, 2015, 451, 170-176.	5.0	3
64	Analytical expressions for the electroosmotic flow in a charge-regulated circular channel. Electrochemistry Communications, 2015, 54, 1-5.	2.3	9
65	Diffusiophoresis of a pH-regulated polyelectrolyte in a nanopore of nonuniform cross section. Microfluidics and Nanofluidics, 2015, 19, 647-652.	1.0	3
66	Diffusiophoresis of polyelectrolytes: Effects of temperature, pH, type of ionic species and bulk concentration. Journal of Colloid and Interface Science, 2015, 459, 167-174.	5.0	7
67	Unsteady dissolution of particle of various shapes in a stagnant liquid. Chemical Engineering Science, 2015, 123, 573-578.	1.9	7
68	Diffusiophoresis of a soft, pH-regulated particle in a solution containing multiple ionic species. Journal of Colloid and Interface Science, 2015, 438, 196-203.	5.0	17
69	Influence of polyelectrolyte shape on its sedimentation behavior: effect of relaxation electric field. Soft Matter, 2014, 10, 8864-8874.	1.2	5
70	Influence of temperature on the electroosmotic flow in a pH-regulated, zwitterionic cylindrical pore filled with multiple monovalent ions. Electrochemistry Communications, 2014, 48, 169-172.	2.3	5
71	Electrophoresis of pH-regulated particles in the presence of multiple ionic species. AIChE Journal, 2014, 60, 451-458.	1.8	10
72	Theoretical study of temperature influence on the electrophoresis of a pH-regulated polyelectrolyte. Analytica Chimica Acta, 2014, 847, 80-89.	2.6	21

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73	Diffusiophoresis of a pH-regulated, zwitterionic polyelectrolyte in a solution containing multiple ionic species. Chemical Engineering Science, 2014, 118, 164-172.	1.9	4
74	Ionic current in a pH-regulated nanochannel filled with multiple ionic species. Microfluidics and Nanofluidics, 2014, 17, 933-941.	1.0	13
75	Simulation of Polyelectrolyte Electrophoresis: Effects of the Aspect Ratio, Double-Layer Polarization, Effective Charge, and Electroosmotic Flow. Langmuir, 2014, 30, 8177-8185.	1.6	6
76	Electrodiffusioosmosis in a Solid-State Nanopore Connecting Two Large Reservoirs: Optimum Pore Size. Journal of Physical Chemistry C, 2014, 118, 19498-19504.	1.5	12
77	Electrophoresis of pH-regulated, zwitterionic particles: Effect of self-induced nonuniform surface charge. Journal of Colloid and Interface Science, 2014, 421, 154-159.	5.0	10
78	Influence of metal oxide nanoparticles concentration on their zeta potential. Journal of Colloid and Interface Science, 2013, 407, 22-28.	5.0	115
79	Incompatible reaction evaluation and accident investigation of various acids in chemical industries. Journal of Thermal Analysis and Calorimetry, 2013, 114, 1225-1229.	2.0	0
80	Electrophoresis of a Charge-Regulated Zwitterionic Particle: Influence of Temperature and Bulk Salt Concentration. Langmuir, 2013, 29, 2427-2433.	1.6	5
81	Diffusiophoresis of a Charged Sphere in a Necked Nanopore. Journal of Physical Chemistry C, 2013, 117, 19226-19233.	1.5	8
82	Electrokinetic flow in a pH-regulated, cylindrical nanochannel containing multiple ionic species. Microfluidics and Nanofluidics, 2013, 15, 847-857.	1.0	12
83	Electrophoresis of a soft sphere in a necked cylindrical nanopore. Physical Chemistry Chemical Physics, 2013, 15, 11758.	1.3	13
84	Importance of temperature on the diffusiophoretic behavior of a charge-regulated zwitterionic particle. Physical Chemistry Chemical Physics, 2013, 15, 7512.	1.3	7
85	Influence of temperature on the gel electrophoresis of a pH-regulated, zwitterionic sphere. Soft Matter, 2013, 9, 11534.	1.2	3
86	Electrokinetic behavior of a pH-regulated, zwitterionic nanocylinder in a cylindrical nanopore filled with multiple ionic species. Journal of Colloid and Interface Science, 2013, 411, 162-168.	5.0	0
87	Electrophoresis of Deformable Polyelectrolytes in a Nanofluidic Channel. Langmuir, 2013, 29, 2446-2454.	1.6	12
88	Diffusiophoresis of Polyelectrolytes in Nanodevices: Importance of Boundary. Journal of Physical Chemistry C, 2013, 117, 9469-9476.	1.5	7
89	Electrophoresis of a pH-Regulated Zwitterionic Nanoparticle in a pH-Regulated Zwitterionic Capillary. Langmuir, 2013, 29, 7162-7169.	1.6	5
90	Electrophoresis of a charge-regulated soft sphere: Importance of effective membrane charge. Colloids and Surfaces B: Biointerfaces, 2013, 102, 864-870.	2.5	6

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91	Capillary Osmosis in a Charged Nanopore Connecting Two Large Reservoirs. Langmuir, 2013, 29, 9598-9603.	1.6	19
92	Gel electrophoresis of a chargeâ€regulated, biâ€functional particle. Electrophoresis, 2013, 34, 785-791.	1.3	14
93	Electrokinetics of pH-regulated zwitterionic polyelectrolyte nanoparticles. Nanoscale, 2012, 4, 7575.	2.8	38
94	Gel electrophoresis: Importance of concentration-dependent permittivity and double-layer polarization. Chemical Engineering Science, 2012, 84, 574-579.	1.9	17
95	Regulating DNA translocation through functionalized soft nanopores. Nanoscale, 2012, 4, 2685.	2.8	78
96	Influence of the shape of a polyelectrolyte on its electrophoretic behavior. Soft Matter, 2012, 8, 9469.	1.2	21
97	Electrokinetic ion and fluid transport in nanopores functionalized by polyelectrolyte brushes. Nanoscale, 2012, 4, 5169.	2.8	69
98	Electrophoresis of a Particle at an Arbitrary Surface Potential and Double Layer Thickness: Importance of Nonuniformly Charged Conditions. Langmuir, 2012, 28, 2997-3004.	1.6	10
99	Importance of Boundary on the Electrophoresis of a Soft Cylindrical Particle. Journal of Physical Chemistry B, 2012, 116, 12626-12632.	1.2	10
100	Importance of Multiple Ionic Species on the Diffusiophoresis of a Rigid, Charged-Regulated, Zwitterionic Sphere. Journal of Physical Chemistry C, 2012, 116, 15126-15133.	1.5	7
101	Importance of Boundary Effect on the Diffusiophoretic Behavior of a Charged Particle in an Electrolyte Medium. Journal of Physical Chemistry C, 2012, 116, 4455-4464.	1.5	6
102	Importance of Temperature Effect on the Electrophoretic Behavior of Charge-Regulated Particles. Langmuir, 2012, 28, 1013-1019.	1.6	38
103	Controlling pH-Regulated Bionanoparticles Translocation through Nanopores with Polyelectrolyte Brushes. Analytical Chemistry, 2012, 84, 9615-9622.	3.2	51
104	Importance of Electroosmotic Flow and Multiple Ionic Species on the Electrophoresis of a Rigid Sphere in a Charge-Regulated Zwitterionic Cylindrical Pore. Langmuir, 2012, 28, 10942-10947.	1.6	7
105	Electrophoresis of a soft toroid of nonuniform structure. Colloids and Surfaces B: Biointerfaces, 2012, 98, 36-42.	2.5	2
106	Ion Concentration Polarization in Polyelectrolyte-Modified Nanopores. Journal of Physical Chemistry C, 2012, 116, 8672-8677.	1.5	114
107	Importance of Ionic Polarization Effect on the Electrophoretic Behavior of Polyelectrolyte Nanoparticles in Aqueous Electrolyte Solutions. Journal of Physical Chemistry C, 2012, 116, 367-373.	1.5	36
108	DNA Electrokinetic Translocation through a Nanopore: Local Permittivity Environment Effect. Journal of Physical Chemistry C, 2012, 116, 4793-4801.	1.5	44

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109	Field Effect Control of Surface Charge Property and Electroosmotic Flow in Nanofluidics. Journal of Physical Chemistry C, 2012, 116, 4209-4216.	1.5	100
110	Diffusiophoresis of a polyelectrolyte in a salt concentration gradient. Electrophoresis, 2012, 33, 1068-1078.	1.3	17
111	Analytical expressions for pH-regulated electroosmotic flow in microchannels. Colloids and Surfaces B: Biointerfaces, 2012, 93, 260-262.	2.5	6
112	Importance of the porous structure of a soft particle on its electrophoretic behavior. Colloids and Surfaces B: Biointerfaces, 2012, 93, 154-160.	2.5	11
113	Counterion condensation in pH-regulated polyelectrolytes. Electrochemistry Communications, 2012, 19, 97-100.	2.3	33
114	Effects of double-layer polarization and counterion condensation on the electrophoresis of polyelectrolytes. Soft Matter, 2011, 7, 396-411.	1.2	66
115	Diffusiophoresis of a Nonuniformly Charged Sphere in a Narrow Cylindrical Pore. Journal of Physical Chemistry C, 2011, 115, 12592-12603.	1.5	2
116	Electrophoresis of a Charge-Regulated Sphere in a Narrow Cylindrical Pore Filled with Multiple Ionic Species. Journal of Physical Chemistry B, 2011, 115, 3972-3980.	1.2	15
117	Influence of boundary on the effect of double-layer polarization and the electrophoretic behavior of soft biocolloids. Colloids and Surfaces B: Biointerfaces, 2011, 88, 559-567.	2.5	25
118	Diffusiophoresis of a soft spherical particle along the axis of a cylindrical microchannel. Chemical Engineering Science, 2011, 66, 2199-2210.	1.9	10
119	Preparation of mineral source water from deep sea water: Reduction of sulfate ion using selemion ASV membrane. AIChE Journal, 2011, 57, 1033-1042.	1.8	6
120	Influence of membrane layer properties on the electrophoretic behavior of a soft particle. Electrophoresis, 2011, 32, 3053-3061.	1.3	8
121	Electrophoresis of an arbitrarily oriented toroid in an unbounded electrolyte solution. Colloids and Surfaces B: Biointerfaces, 2011, 82, 505-512.	2.5	6
122	Electrical potentials of two identical particles with fixed surface charge density in a salt-free medium. Journal of Colloid and Interface Science, 2011, 356, 550-556.	5.0	4
123	Diffusiophoresis of a nonuniformly charged sphere in an electrolyte solution. Journal of Chemical Physics, 2011, 134, 064708.	1.2	9
124	Diffusiophoresis of a sphere along the axis of a cylindrical pore. Journal of Colloid and Interface Science, 2010, 342, 598-606.	5.0	18
125	Electrical potentials of two identical planar, cylindrical, and spherical colloidal particles in a salt-free medium. Journal of Colloid and Interface Science, 2010, 348, 402-407.	5.0	3
126	Model for Sludge Cake Drying Accounting for Developing Cracks. Drying Technology, 2010, 28, 922-926.	1.7	22

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127	Unified Analysis of Dewatering and Drying of Sludge Cake. Drying Technology, 2010, 28, 877-880.	1.7	14
128	Electrophoresis of a Charge-Regulated Soft Sphere in a Charged Cylindrical Pore. Journal of Physical Chemistry B, 2010, 114, 1621-1631.	1.2	25
129	Diffusiophoresis of a Soft Sphere Normal to Two Parallel Disks. Langmuir, 2010, 26, 16037-16047.	1.6	17
130	Electrophoresis of a Membrane-Coated Cylindrical Particle Positioned Eccentrically along the Axis of a Narrow Cylindrical Pore. Journal of Physical Chemistry C, 2010, 114, 16576-16587.	1.5	22
131	Diffusiophoresis of a Charge-Regulated Sphere along the Axis of an Uncharged Cylindrical Pore. Langmuir, 2010, 26, 8648-8658.	1.6	20
132	Diffusiophoresis of a Charge-Regulated Spherical Particle Normal to Two Parallel Disks. Journal of Physical Chemistry B, 2010, 114, 2766-2778.	1.2	19
133	Diffusiophoresis of an Ellipsoid along the Axis of a Cylindrical Pore. Journal of Physical Chemistry B, 2010, 114, 8043-8055.	1.2	7
134	Effect of Multiple Ionic Species on the Electrophoretic Behavior of a Charge-Regulated Particle. Langmuir, 2010, 26, 16857-16864.	1.6	33
135	Sedimentation adsorption of a charge-regulated colloidal particle onto a large charged disk. Journal of Chemical Physics, 2009, 130, 194901.	1.2	2
136	Electrophoretic behaviors of human hepatoma HepG2 cells. Electrophoresis, 2009, 30, 1531-1537.	1.3	2
137	Electrophoresis of a finite rod along the axis of a long cylindrical microchannel filled with Carreau fluids. Microfluidics and Nanofluidics, 2009, 7, 383-392.	1.0	19
138	Electrophoresis of a soft toroid coaxially along the axis of a cylindrical pore. Chemical Engineering Science, 2009, 64, 5247-5254.	1.9	9
139	3D simulations of hydrodynamic drag on a nonhomogeneously structured permeable sphere and advective flow thereof. Journal of Colloid and Interface Science, 2009, 336, 850-856.	5.0	11
140	Boundary effect on electrophoresis in a Carreau fluid: Simulated biocolloids at an arbitrary position in a charged spherical cavity. Colloids and Surfaces B: Biointerfaces, 2009, 69, 8-14.	2.5	6
141	Diffusiophoresis of a Soft Spherical Particle in a Spherical Cavity. Journal of Physical Chemistry B, 2009, 113, 8646-8656.	1.2	33
142	Stability of Soft Colloidal Particles in a Salt-Free Medium. Langmuir, 2009, 25, 9045-9050.	1.6	5
143	Boundary Effect on Diffusiophoresis: Spherical Particle in a Spherical Cavity. Langmuir, 2009, 25, 1772-1784.	1.6	39
144	Effect of Electroosmotic Flow on the Electrophoresis of a Membrane-Coated Sphere along the Axis of a Cylindrical Pore. Journal of Physical Chemistry B, 2009, 113, 7701-7708.	1.2	36

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145	Translation of two coaxial, nonhomogeneously structured flocs normal to a plate. Colloid and Polymer Science, 2008, 286, 1593-1604.	1.0	0
146	Electrophoresis of a chargeâ€regulated toroid normal to a large disk. Electrophoresis, 2008, 29, 348-357.	1.3	11
147	Modeling the melt transesterification of polycarbonate. Journal of Applied Polymer Science, 2008, 108, 694-704.	1.3	6
148	Effects of double-layer polarization and electroosmotic flow on the electrophoresis of a finite cylinder along the axis of a cylindrical pore. Chemical Engineering Science, 2008, 63, 4561-4569.	1.9	11
149	Electrophoresis of an Ellipsoid along the Axis of a Cylindrical Pore:â€‰ Effect of a Charged Boundary. Langmuir, 2008, 24, 2929-2937.	1.6	10
150	Effects of Double-Layer Polarization and Electroosmotic Flow on the Electrophoresis of an Ellipsoid in a Spherical Cavity. Journal of Physical Chemistry B, 2008, 112, 11270-11277.	1.2	3
151	The stability of a salt-free colloidal dispersion. Journal of Chemical Physics, 2008, 128, 104509.	1.2	2
152	Electrophoresis of a Sphere along the Axis of a Cylindrical Pore:Â Effects of Double-Layer Polarization and Electroosmotic Flow. Langmuir, 2007, 23, 6198-6204.	1.6	43
153	Effect of a Charged Boundary on Electrophoresis in a Carreau Fluid:â€‰ A Sphere at an Arbitrary Position in a Spherical Cavity. Langmuir, 2007, 23, 8637-8646.	1.6	19
154	Diffusiophoresis of Concentrated Suspensions of Spherical Particles with Distinct Ionic Diffusion Velocities. Journal of Physical Chemistry B, 2007, 111, 2533-2539.	1.2	31
155	Electrophoresis of Two Identical Rigid Spheres in a Charged Cylindrical Pore. Journal of Physical Chemistry B, 2007, 111, 2579-2586.	1.2	14
156	Approximate Analytical Expressions for the Electrical Potential in a Cavity Containing Salt-Free Medium. Langmuir, 2007, 23, 10448-10454.	1.6	5
157	Electrophoresis of a Rigid Sphere in a Carreau Fluid Normal to a Large Charged Disk. Journal of Physical Chemistry B, 2007, 111, 12351-12361.	1.2	13
158	Evaluation of the electric force in electrophoresis. Journal of Colloid and Interface Science, 2007, 305, 324-329.	5.0	75
159	Dynamic electrophoresis of droplet dispersions at low surface potentials. Journal of Colloid and Interface Science, 2007, 306, 421-427.	5.0	6
160	Residence time distribution for electrokinetic flow through a microchannel comprising a bundle of cylinders. Journal of Colloid and Interface Science, 2007, 307, 265-271.	5.0	4
161	Ionic separation efficiency of a novel electric-field-assisted membrane module comprising an array of microchannel units. Journal of Colloid and Interface Science, 2007, 307, 516-523.	5.0	2
162	Effect of a charged boundary on electrophoresis: A sphere at an arbitrary position in a spherical cavity. Journal of Colloid and Interface Science, 2007, 310, 281-291.	5.0	12

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163	Effect of charged boundary on electrophoresis: Sphere in spherical cavity at arbitrary potential and double-layer thickness. Journal of Colloid and Interface Science, 2007, 314, 256-263.	5.0	18
164	Drag on two nonuniformly structured flocs moving along the axis of a cylindrical tube. Colloid and Polymer Science, 2007, 285, 985-998.	1.0	2
165	Melt Transesterification of Polycarbonate Catalyzed by DMAP. Industrial & Engineering Chemistry Research, 2006, 45, 2672-2676.	1.8	17
166	Critical Coagulation Concentration of a Salt-Free Colloidal Dispersion. Journal of Physical Chemistry B, 2006, 110, 7600-7604.	1.2	6
167	Electrophoresis of a Spherical Dispersion of Polyelectrolytes in a Salt-Free Solution. Journal of Physical Chemistry B, 2006, 110, 1490-1498.	1.2	41
168	Approximate Analytical Expressions for the Electrical Potential between Two Planar, Cylindrical, and Spherical Surfaces. Journal of Physical Chemistry B, 2006, 110, 25007-25012.	1.2	9
169	Electrophoresis of a Finite Cylinder Positioned Eccentrically along the Axis of a Long Cylindrical Pore. Journal of Physical Chemistry B, 2006, 110, 17607-17615.	1.2	29
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