Jyh-Ping Hsu

List of Publications by Year
in descending order

295	5,916	81743	133063
papers	citations	39 h-index	59 g-index

300	300	300	3041
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An ultra-sensitive electrochemical sensor based on 2D g-C3N4/CuO nanocomposites for dopamine detection. Carbon, 2018, 130, 652-663.	5.4	250
2	Behavior of soybean oil-in-water emulsion stabilized by nonionic surfactant. Journal of Colloid and Interface Science, 2003, 259, 374-381.	5.0	160
3	Influence of metal oxide nanoparticles concentration on their zeta potential. Journal of Colloid and Interface Science, 2013, 407, 22-28.	5.0	115
4	Ion Concentration Polarization in Polyelectrolyte-Modified Nanopores. Journal of Physical Chemistry C, 2012, 116, 8672-8677.	1.5	114
5	Field Effect Control of Surface Charge Property and Electroosmotic Flow in Nanofluidics. Journal of Physical Chemistry C, 2012, 116, 4209-4216.	1.5	100
6	Salinity gradient power: influences of temperature and nanopore size. Nanoscale, 2016, 8, 2350-2357.	2.8	99
7	Electrokinetic Flow through an Elliptical Microchannel: Effects of Aspect Ratio and Electrical Boundary Conditions. Journal of Colloid and Interface Science, 2002, 248, 176-184.	5.0	87
8	Improving stability of MXenes. Nano Research, 2022, 15, 6551-6567.	5.8	87
9	Unraveling the Anomalous Surface-Charge-Dependent Osmotic Power Using a Single Funnel-Shaped Nanochannel. ACS Nano, 2019, 13, 13374-13381.	7.3	86
10	Electrophoretic Mobility of a Sphere in a Spherical Cavity. Journal of Colloid and Interface Science, 1998, 205, 65-76.	5.0	85
11	Regulating DNA translocation through functionalized soft nanopores. Nanoscale, 2012, 4, 2685.	2.8	78
12	Evaluation of the electric force in electrophoresis. Journal of Colloid and Interface Science, 2007, 305, 324-329.	5.0	75
13	Power generation by a pH-regulated conical nanopore through reverse electrodialysis. Journal of Power Sources, 2017, 366, 169-177.	4.0	73
14	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
15	Electrokinetic ion and fluid transport in nanopores functionalized by polyelectrolyte brushes. Nanoscale, 2012, 4, 5169.	2.8	69
16	Effects of double-layer polarization and counterion condensation on the electrophoresis of polyelectrolytes. Soft Matter, 2011, 7, 396-411.	1.2	66
17	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
18	Preparation of submicron-sized Mg(OH)2 particles through precipitation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 262, 220-231.	2.3	63

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19	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
20	Ion Current Rectification Behavior of Bioinspired Nanopores Having a pH-Tunable Zwitterionic Surface. Analytical Chemistry, 2017, 89, 3952-3958.	3.2	62
21	An ultrathin ionomer interphase for high efficiency lithium anode in carbonate based electrolyte. Nature Communications, 2019, 10, 5824.	5.8	62
22	Regulating Current Rectification and Nanoparticle Transport Through a Salt Gradient in Bipolar Nanopores. Small, 2015, 11, 4594-4602.	5.2	60
23	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
24	Electrophoretic Mobility of a Concentrated Suspension of Spherical Particles. Journal of Colloid and Interface Science, 1999, 209, 240-246.	5.0	59
25	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
26	Highly Charged Particles Cause a Larger Current Blockage in Micropores Compared to Neutral Particles. ACS Nano, 2016, 10, 8413-8422.	7.3	57
27	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
28	Influence of electroosmotic flow on the ionic current rectification in a pH-regulated, conical nanopore. Nanoscale, 2015, 7, 14023-14031.	2.8	54
29	Rectification of ionic current in nanopores functionalized with bipolar polyelectrolyte brushes. Sensors and Actuators B: Chemical, 2018, 258, 1223-1229.	4.0	53
30	Controlling pH-Regulated Bionanoparticles Translocation through Nanopores with Polyelectrolyte Brushes. Analytical Chemistry, 2012, 84, 9615-9622.	3.2	51
31	Electrophoretic Mobility of a Spherical Particle in a Spherical Cavity. Journal of Colloid and Interface Science, 1997, 196, 316-320.	5.0	46
32	Importance of polyelectrolyte modification for rectifying the ionic current in conically shaped nanochannels. Physical Chemistry Chemical Physics, 2017, 19, 5351-5360.	1.3	45
33	DNA Electrokinetic Translocation through a Nanopore: Local Permittivity Environment Effect. Journal of Physical Chemistry C, 2012, 116, 4793-4801.	1.5	44
34	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
35	Electrophoresis of a Finite Cylinder along the Axis of a Cylindrical Pore. Journal of Physical Chemistry B, 2002, 106, 10605-10609.	1.2	42
36	Modulation of Charge Density and Charge Polarity of Nanopore Wall by Salt Gradient and Voltage. ACS Nano, 2019, 13, 9868-9879.	7.3	42

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37	Tunable Current Rectification and Selectivity Demonstrated in Nanofluidic Diodes through Kinetic Functionalization. Journal of Physical Chemistry Letters, 2020, 11, 60-66.	2.1	42
38	Electrophoresis of a Spherical Dispersion of Polyelectrolytes in a Salt-Free Solution. Journal of Physical Chemistry B, 2006, 110, 1490-1498.	1.2	41
39	Salinity gradient power: Optimization of nanopore size. Electrochimica Acta, 2016, 219, 790-797.	2.6	41
40	Boundary Effect on Diffusiophoresis: Spherical Particle in a Spherical Cavity. Langmuir, 2009, 25, 1772-1784.	1.6	39
41	Electrophoresis of a spherical particle along the axis of a cylindrical pore: effect of electroosmotic flow. Journal of Colloid and Interface Science, 2004, 276, 248-254.	5.0	38
42	Electrokinetics of pH-regulated zwitterionic polyelectrolyte nanoparticles. Nanoscale, 2012, 4, 7575.	2.8	38
43	Importance of Temperature Effect on the Electrophoretic Behavior of Charge-Regulated Particles. Langmuir, 2012, 28, 1013-1019.	1.6	38
44	Electrophoretic Motion of a Charge-Regulated Sphere Normal to a Plane. Journal of Colloid and Interface Science, 2001, 242, 121-126.	5.0	36
45	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
46	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
47	Electrophoresis of concentrated spherical particles with a charge-regulated surface. Journal of Chemical Physics, 2000, 112, 6404-6410.	1.2	33
48	An experimental study on the rheological properties of aqueous ceria dispersions. Journal of Colloid and Interface Science, 2004, 274, 277-284.	5.0	33
49	Diffusiophoresis of a Soft Spherical Particle in a Spherical Cavity. Journal of Physical Chemistry B, 2009, 113, 8646-8656.	1.2	33
50	Effect of Multiple Ionic Species on the Electrophoretic Behavior of a Charge-Regulated Particle. Langmuir, 2010, 26, 16857-16864.	1.6	33
51	Counterion condensation in pH-regulated polyelectrolytes. Electrochemistry Communications, 2012, 19, 97-100.	2.3	33
52	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
53	Dynamic Interactions of Two Electrical Double Layers. Journal of Colloid and Interface Science, 1997, 195, 388-394.	5.0	32
54	Boundary effect on electrophoresis: finite cylinder in a cylindrical pore. Journal of Colloid and Interface Science, 2005, 283, 592-600.	5.0	31

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55	Diffusiophoresis of Concentrated Suspensions of Spherical Particles with Distinct Ionic Diffusion Velocities. Journal of Physical Chemistry B, 2007, 111, 2533-2539.	1.2	31
56	Influence of salt valence on the rectification behavior of nanochannels. Journal of Colloid and Interface Science, 2018, 531, 483-492.	5.0	31
57	Electrophoresis of a Sphere Normal to a Plane at Arbitrary Electrical Potential and Double Layer Thickness. Journal of Colloid and Interface Science, 2002, 248, 383-388.	5.0	30
58	Electrophoresis of a Sphere in a Spherical Cavity at Arbitrary Electrical Potentials. Langmuir, 2001, 17, 6289-6297.	1.6	29
59	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
60	Dynamic Electrophoretic Mobility of Concentrated Spherical Dispersions. Journal of Physical Chemistry B, 2001, 105, 7239-7245.	1.2	28
61	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
62	Dynamic Electrophoretic Mobility in Electroacoustic Phenomenon:Â Concentrated Dispersions at Arbitrary Potentials. Journal of Physical Chemistry B, 2002, 106, 4789-4798.	1.2	27
63	Electrophoresis of a concentrated dispersion of spherical particles covered by an ion-penetrable membrane layer. Journal of Colloid and Interface Science, 2004, 280, 518-526.	5.0	27
64	Sedimentation potential of a concentrated spherical colloidal suspension. Journal of Chemical Physics, 1999, 110, 11643-11651.	1.2	26
65	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
66	Electrophoresis of a spherical particle along the axis of a cylindrical pore filled with a Carreau fluid. Colloid and Polymer Science, 2006, 284, 886-892.	1.0	25
67	Electrophoresis of a Charge-Regulated Soft Sphere in a Charged Cylindrical Pore. Journal of Physical Chemistry B, 2010, 114, 1621-1631.	1.2	25
68	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
69	Controllable interface engineering of g-C3N4/CuS nanocomposite photocatalysts. Journal of Alloys and Compounds, 2022, 911, 165020.	2.8	25
70	The induction period of the CaCl2â€“Na2CO3 system: Theory and experiment. Journal of Chemical Physics, 1999, 111, 2657-2664.	1.2	24
71	Electrophoretic Mobility of a Particle Coated with a Charged Membrane: Effects of Fixed Charge and Dielectric Constant Distributions. Journal of Colloid and Interface Science, 1995, 172, 230-241.	5.0	23
72	The role of cell density in the survival of cultured cerebellar granule neurons. Journal of Biomedical Materials Research Part B, 2000, 52, 748-753.	3.0	23

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73	Electrophoresis of a Sphere at an Arbitrary Position in a Spherical Cavity. Langmuir, 2002, 18, 8897-8901.	1.6	23
74	Electrophoresis in a non-Newtonian fluid: sphere in a spherical cavity. Journal of Colloid and Interface Science, 2003, 258, 283-288.	5.0	23
75	The Electrostatic Interaction Force between a Charge-Regulated Particle and a Rigid Surface. Journal of Colloid and Interface Science, 1996, 183, 194-198.	5.0	22
76	Electrophoresis of a sphere at an arbitrary position in a spherical cavity filled with Carreau fluid. Journal of Colloid and Interface Science, 2004, 280, 256-263.	5.0	22
77	Model for Sludge Cake Drying Accounting for Developing Cracks. Drying Technology, 2010, 28, 922-926.	1.7	22
78	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
79	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
80	Influence of the shape of a polyelectrolyte on its electrophoretic behavior. Soft Matter, 2012, 8, 9469.	1.2	21
81	Theoretical study of temperature influence on the electrophoresis of a pH-regulated polyelectrolyte. Analytica Chimica Acta, 2014, 847, 80-89.	2.6	21
82	Approximate Analytical Expressions for the Properties of a Double Layer with Asymmetric Electrolytes: Ion-Penetrable Charged Membranes. Journal of Colloid and Interface Science, 1994, 166, 208-214.	5.0	20
83	Sedimentation of a cylindrical particle in a Carreau fluid. Journal of Colloid and Interface Science, 2005, 286, 392-399.	5.0	20
84	Diffusiophoresis of a Charge-Regulated Sphere along the Axis of an Uncharged Cylindrical Pore. Langmuir, 2010, 26, 8648-8658.	1.6	20
85	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
86	Double-Layer Properties of an Ion-Penetrable Charged Membrane:Â Effect of Sizes of Charged Species. Journal of Physical Chemistry B, 1999, 103, 9743-9748.	1.2	19
87	Electrophoresis of a rigid sphere in a Carreau fluid normal to a planar surface. Journal of Colloid and Interface Science, 2005, 285, 857-864.	5.0	19
88	Electrophoresis of a Charge-Regulated Sphere Normal to a Large Disk. Langmuir, 2005, 21, 7588-7597.	1.6	19
89	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
90	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

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91	Diffusiophoresis of a Charge-Regulated Spherical Particle Normal to Two Parallel Disks. Journal of Physical Chemistry B, 2010, 114, 2766-2778.	1.2	19
92	Capillary Osmosis in a Charged Nanopore Connecting Two Large Reservoirs. Langmuir, 2013, 29, 9598-9603.	1.6	19
93	Kinetic modeling of melt transesterification of diphenyl carbonate and bisphenol-A. Polymer, 2003, 44, 5851-5857.	1.8	18
94	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
95	Diffusiophoresis of a sphere along the axis of a cylindrical pore. Journal of Colloid and Interface Science, 2010, 342, 598-606.	5.0	18
96	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
97	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
98	Modified GÃ¶uyâ€“Chapman theory for an ion-penetrable charged membrane. Journal of Chemical Physics, 1999, 111, 4807-4816.	1.2	17
99	Stability of Colloidal Dispersions:Â Charge Regulation/Adsorption Model. Langmuir, 1999, 15, 5219-5226.	1.6	17
100	Electrophoretic mobility of concentrated spheres with a charge-regulated surface. Electrophoresis, 2000, 21, 475-480.	1.3	17
101	Electrophoresis in a Carreau Fluid at Arbitrary Zeta Potentials. Langmuir, 2004, 20, 7952-7959.	1.6	17
102	Drag force on a rigid spheroidal particle in a cylinder filled with Carreau fluid. Journal of Colloid and Interface Science, 2005, 284, 729-741.	5.0	17
103	Melt Transesterification of Polycarbonate Catalyzed by DMAP. Industrial & Engineering Chemistry Research, 2006, 45, 2672-2676.	1.8	17
104	Diffusiophoresis of a Soft Sphere Normal to Two Parallel Disks. Langmuir, 2010, 26, 16037-16047.	1.6	17
105	Gel electrophoresis: Importance of concentration-dependent permittivity and double-layer polarization. Chemical Engineering Science, 2012, 84, 574-579.	1.9	17
106	Diffusiophoresis of a polyelectrolyte in a salt concentration gradient. Electrophoresis, 2012, 33, 1068-1078.	1.3	17
107	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
108	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

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109	Pressure-driven ion separation through a pH-regulated cylindrical nanopore. Journal of Membrane Science, 2020, 604, 118073.	4.1	17
110	Electrical Interactions between Two Ion-Penetrable Charged Membranes:Â Effect of Sizes of Charged Species. Langmuir, 2000, 16, 6233-6239.	1.6	16
111	On the Factors Influencing the Preparation of Nanosized Titania Sols. Langmuir, 2003, 19, 4448-4454.	1.6	16
112	Electrophoresis of a Concentrated Dispersion of Spherical Particles in a Non-Newtonian Fluid. Langmuir, 2004, 20, 2149-2156.	1.6	16
113	Drag force on a porous, non-homogeneous spheroidal floc in a uniform flow field. Journal of Colloid and Interface Science, 2003, 259, 301-308.	5.0	15
114	Electrophoresis of a toroid along the axis of a cylindrical pore. Electrophoresis, 2006, 27, 3155-3165.	1.3	15
115	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
116	Ultrashort nanopores of large radius can generate anomalously high salinity gradient power. Electrochimica Acta, 2020, 353, 136613.	2.6	15
117	Ion current rectification behavior of a nanochannel having nonuniform crossâ€section. Electrophoresis, 2020, 41, 802-810.	1.3	15
118	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
119	Electrostatic interaction between a charge-regulated particle and a solid surface in electrolyte solution: effect of cationic electrolytes. Colloid and Polymer Science, 1994, 272, 946-954.	1.0	14
120	Adsorption of a Charge-Regulated Particle to a Charged Surface. Langmuir, 1997, 13, 4372-4376.	1.6	14
121	Effect of Ionic Sizes on the Electrophoretic Mobility of a Particle with a Charge-Regulated Membrane in a General Electrolyte Solution. Journal of Physical Chemistry B, 2002, 106, 2117-2122.	1.2	14
122	Drag force on a floc in a flow field: two-layer model. Chemical Engineering Science, 2002, 57, 2627-2633.	1.9	14
123	Electrophoresis of a Membrane-Coated Sphere in a Spherical Cavity. Langmuir, 2004, 20, 9415-9421.	1.6	14
124	Electrophoresis of Two Identical Rigid Spheres in a Charged Cylindrical Pore. Journal of Physical Chemistry B, 2007, 111, 2579-2586.	1.2	14
125	Unified Analysis of Dewatering and Drying of Sludge Cake. Drying Technology, 2010, 28, 877-880.	1.7	14
126	Gel electrophoresis of a chargeâ€regulated, biâ€functional particle. Electrophoresis, 2013, 34, 785-791.	1.3	14

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127	Dissolution of solid particles in liquids. Journal of Colloid and Interface Science, 1991, 141, 60-66.	5.0	13
128	Approximate analytical expressions for the properties of an electrical double layer with asymmetric electrolytes. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 1229.	1.7	13
129	Gradient-Index Polymer Optical Fiber Preparation through a Co-Extrusion Process. Polymer Journal, 1999, 31, 233-237.	1.3	13
130	Electrophoretic behavior of cerebellar granule neurons. Electrophoresis, 2002, 23, 2001.	1.3	13
131	Electrophoresis of biological cells: Charge-regulation and multivalent counterions association model. Electrophoresis, 2003, 24, 1338-1346.	1.3	13
132	Electrophoresis of a Spheroid in a Spherical Cavity. Langmuir, 2003, 19, 7469-7473.	1.6	13
133	Temperature dependence of the viscosity of nonpolymeric liquids. Journal of Chemical Physics, 2003, 118, 172-178.	1.2	13
134	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
135	Electrophoresis of a soft sphere in a necked cylindrical nanopore. Physical Chemistry Chemical Physics, 2013, 15, 11758.	1.3	13
136	Ionic current in a pH-regulated nanochannel filled with multiple ionic species. Microfluidics and Nanofluidics, 2014, 17, 933-941.	1.0	13
137	Electrophoretic Mobility of Biological Cells in Asymmetric Electrolyte Solutions. Journal of Theoretical Biology, 1996, 182, 137-145.	0.8	12
138	Boundary effect on the drag force on a nonhomogeneous floc. Journal of Colloid and Interface Science, 2003, 264, 517-525.	5.0	12
139	Electrophoresis of a spheroid along the axis of a cylindrical pore. Chemical Engineering Science, 2003, 58, 5339-5347.	1.9	12
140	Estimation of the Ionic Distribution in a Reverse Micelle:Â Effect of Ionic Size. Journal of Physical Chemistry B, 2003, 107, 14429-14433.	1.2	12
141	Electrophoresis of a charge-regulated particle at an arbitrary position in a spherical cavity. Colloid and Polymer Science, 2004, 283, 10-14.	1.0	12
142	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
143	Electrokinetic flow in a pH-regulated, cylindrical nanochannel containing multiple ionic species. Microfluidics and Nanofluidics, 2013, 15, 847-857.	1.0	12
144	Electrophoresis of Deformable Polyelectrolytes in a Nanofluidic Channel. Langmuir, 2013, 29, 2446-2454.	1.6	12

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145	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
146	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
147	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
148	A dynamic anode boosting sulfamerazine mineralization via electrochemical oxidation. Journal of Materials Chemistry A, 2021, 10, 192-208.	5.2	12
149	Transport of Ions through Cylindrical Ion-Selective Membranes. The Journal of Physical Chemistry, 1996, 100, 12503-12508.	2.9	11
150	Current Efficiency of Ion-Selective Membranes:Â Effects of Local Electroneutrality and Donnan Equilibrium. Journal of Physical Chemistry B, 1997, 101, 7928-7932.	1.2	11
151	Effect of pH on the electrophoretic mobility of a particle with a charge-regulated membrane in a general electrolyte solution. Colloids and Surfaces B: Biointerfaces, 1999, 13, 277-286.	2.5	11
152	Electrokinetic flow in a planar slit covered by an ion-penetrable charged membrane. Electrophoresis, 2000, 21, 3541-3551.	1.3	11
153	Interactions between a Particle Covered by an Ion-Penetrable Charged Membrane and a Charged Surface:Â A Modified Gouyâ"Chapman Theory. Langmuir, 2002, 18, 2789-2794.	1.6	11
154	Effect of Ionic Sizes on Critical Coagulation Concentration:Â Particles Covered by a Charge-Regulated Membrane. Journal of Physical Chemistry B, 2002, 106, 4269-4275.	1.2	11
155	Electrophoresis of a chargeâ€regulated toroid normal to a large disk. Electrophoresis, 2008, 29, 348-357.	1.3	11
156	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
157	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
158	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
159	The effect of multivalent cations on adhesion time for cellular adhesion to solid surfaces. Journal of Theoretical Biology, 1990, 147, 509-516.	0.8	10
160	Electrostatic Interactions between Two Identical Thin Disks of Arbitrary Orientation in an Electrolyte Solution. Langmuir, 1997, 13, 1810-1819.	1.6	10
161	Effect of cell membrane structure of human erythrocyte on its electrophoresis. Colloids and Surfaces B: Biointerfaces, 2003, 32, 203-212.	2.5	10
162	Moving of a nonhomogeneous, porous floc normal to a rigid plate. Journal of Colloid and Interface Science, 2004, 275, 309-316.	5.0	10

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163	Determination of surface charge properties of PC-12 cells by electrophoresis. Journal of Colloid and Interface Science, 2005, 285, 557-561.	5.0	10
164	Theoretical analysis on diffusional release from ellipsoidal drug delivery devices. Chemical Engineering Science, 2006, 61, 1748-1752.	1.9	10
165	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
166	Diffusiophoresis of a soft spherical particle along the axis of a cylindrical microchannel. Chemical Engineering Science, 2011, 66, 2199-2210.	1.9	10
167	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
168	Importance of Boundary on the Electrophoresis of a Soft Cylindrical Particle. Journal of Physical Chemistry B, 2012, 116, 12626-12632.	1.2	10
169	Electrophoresis of pH-regulated particles in the presence of multiple ionic species. AICHE Journal, 2014, 60, 451-458.	1.8	10
170	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
171	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
172	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
173	Origin of Ultrahigh Rectification in Polyelectrolyte Bilayers Modified Conical Nanopores. Journal of Physical Chemistry Letters, 2021, 12, 11858-11864.	2.1	10
174	Current Efficiency of an Ion-Exchange Membrane:Â Effect of Piecewise Continuous Fixed Charge Distribution. Journal of Physical Chemistry B, 2000, 104, 3492-3495.	1.2	9
175	Electrophoresis of a Concentrated Spherical Dispersion at Arbitrary Electrical Potentials. Journal of Colloid and Interface Science, 2002, 248, 398-403.	5.0	9
176	Drag of a dispersion of nonhomogeneously structured flocs in a flow field. Journal of Colloid and Interface Science, 2005, 284, 332-338.	5.0	9
177	Dynamic electrophoresis of a sphere in a spherical cavity: arbitrary surface potential. Journal of Colloid and Interface Science, 2005, 285, 865-871.	5.0	9
178	Drag on two coaxial, nonuniformly structured flocs in a uniform flow field. Journal of Colloid and Interface Science, 2005, 292, 290-298.	5.0	9
179	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
180	Electrophoresis of a soft toroid coaxially along the axis of a cylindrical pore. Chemical Engineering Science, 2009, 64, 5247-5254.	1.9	9

#	Article	IF	Citations
181	Diffusiophoresis of a nonuniformly charged sphere in an electrolyte solution. Journal of Chemical Physics, 2011, 134, 064708.	1.2	9
182	Analytical expressions for the electroosmotic flow in a charge-regulated circular channel. Electrochemistry Communications, 2015, 54, 1-5.	2.3	9
183	Diffusiophoresis of a charged, rigid sphere in a Carreau fluid. Journal of Colloid and Interface Science, 2016, 465, 54-57.	5.0	9
184	Diffusiophoresis of a pH-regulated polyelectrolyte in a pH-regulated nanochannel. Sensors and Actuators B: Chemical, 2017, 252, 1132-1139.	4.0	9
185	Dissolution of solid particles in liquids: A surface layer model. Colloids and Surfaces, 1991, 61, 35-47.	0.9	8
186	Effect of Convective Boundary Layer on the Current Efficiency of a Membrane Bearing Nonuniformly Distributed Fixed Charges. Journal of Physical Chemistry B, 1997, 101, 8984-8989.	1.2	8
187	Theoretical Analysis on a Multilayer Coextrusion Process for Preparing Gradient-Index Polymer Optical Fibers. Journal of Physical Chemistry B, 1999, 103, 7584-7590.	1.2	8
188	Sedimentation of a Nonconducting Sphere in a Spherical Cavity. Journal of Physical Chemistry B, 2000, 104, 6815-6820.	1.2	8
189	Dynamic electrophoretic mobility of a sphere in a spherical cavity. Journal of Colloid and Interface Science, 2003, 260, 118-125.	5.0	8
190	Sedimentation of a concentrated dispersion of composite colloidal particles. Journal of Colloid and Interface Science, 2006, 295, 279-290.	5.0	8
191	Influence of membrane layer properties on the electrophoretic behavior of a soft particle. Electrophoresis, 2011, 32, 3053-3061.	1.3	8
192	Diffusiophoresis of a Charged Sphere in a Necked Nanopore. Journal of Physical Chemistry C, 2013, 117, 19226-19233.	1.5	8
193	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
194	Electrokinetic behavior of a pH-regulated dielectric cylindrical nanopore. Journal of Colloid and Interface Science, 2021, 588, 94-100.	5.0	8
195	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
196	Improving the osmotic energy conversion efficiency of multiple nanopores by a cross flow. Journal of Membrane Science, 2022, 644, 120075.	4.1	8
197	Electrical interaction energy between two charged entities. Journal of Chemical Physics, 1999, 110, 25-33.	1.2	7
198	Electrophoresis of a Nonrigid Entity in a Spherical Cavity. Journal of Physical Chemistry B, 2002, 106, 8790-8795.	1.2	7

#	Article	IF	Citations
199	Electrophoresis of a charge-regulated spheroid along the axis of an uncharged cylindrical pore. Journal of Colloid and Interface Science, 2003, 264, 121-127.	5.0	7
200	Electrophoresis of a concentrated aqueous dispersion of non-Newtonian drops. Journal of Colloid and Interface Science, 2005, 282, 486-492.	5.0	7
201	Residence Time Distribution of a Cylindrical Microreactor. Journal of Physical Chemistry B, 2005, 109, 9160-9165.	1.2	7
202	A polynomial regression model for the response of various accelerating techniques on maize wine maturation. Food Chemistry, 2006, 94, 603-607.	4.2	7
203	Sedimentation of a cylindrical particle along the axis of a cylindrical tube filled with Carreau fluid. Powder Technology, 2006, 166, 1-13.	2.1	7
204	Diffusiophoresis of an Ellipsoid along the Axis of a Cylindrical Pore. Journal of Physical Chemistry B, 2010, 114, 8043-8055.	1.2	7
205	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
206	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
207	Importance of temperature on the diffusiophoretic behavior of a charge-regulated zwitterionic particle. Physical Chemistry Chemical Physics, 2013, 15, 7512.	1.3	7
208	Diffusiophoresis of Polyelectrolytes in Nanodevices: Importance of Boundary. Journal of Physical Chemistry C, 2013, 117, 9469-9476.	1.5	7
209	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
210	Unsteady dissolution of particle of various shapes in a stagnant liquid. Chemical Engineering Science, 2015, 123, 573-578.	1.9	7
211	Effect of Dielectric Constant on the Electrostatic Interactions between Two Ion-Penetrable Charged Membranes. Journal of Colloid and Interface Science, 1993, 160, 505-508.	5.0	6
212	Dissolution of solid particles in liquids: A reactionâ€"diffusion model. Colloids and Surfaces, 1993, 69, 229-238.	0.9	6
213	Deposition of Biocolloids on a Charged Collector Surface:Â An Ion-Penetrable Membrane Model. Langmuir, 2001, 17, 3466-3471.	1.6	6
214	Electrokinetic Flow of an Electrolyte Solution in a Rectangular Microchannel Covered by an Ion-Penetrable Charged Membrane. Journal of Physical Chemistry B, 2001, 105, 8135-8142.	1.2	6
215	Deposition of Charge-Regulated Biocolloids on a Charged Surface. Journal of Physical Chemistry B, 2002, 106, 4255-4260.	1.2	6
216	Sedimentation of Concentrated Spherical Particles with a Charge-Regulated Surface. Journal of Colloid and Interface Science, 2002, 251, 109-119.	5.0	6

#	Article	IF	Citations
217	Stability of a dispersion of particles covered by a charge-regulated membrane: effect of the sizes of charged species. Journal of Colloid and Interface Science, 2003, 262, 73-80.	5.0	6
218	Critical Coagulation Concentration of a Salt-Free Colloidal Dispersion. Journal of Physical Chemistry B, 2006, 110, 7600-7604.	1.2	6
219	Electrophoresis of a non-conducting Newtonian drop of low electrical potential normal to a plane. Chemical Engineering Science, 2006, 61, 4550-4557.	1.9	6
220	Dynamic electrophoresis of droplet dispersions at low surface potentials. Journal of Colloid and Interface Science, 2007, 306, 421-427.	5.0	6
221	Modeling the melt transesterification of polycarbonate. Journal of Applied Polymer Science, 2008, 108, 694-704.	1.3	6
222	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
223	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
224	Electrophoresis of an arbitrarily oriented toroid in an unbounded electrolyte solution. Colloids and Surfaces B: Biointerfaces, 2011, 82, 505-512.	2.5	6
225	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
226	Analytical expressions for pH-regulated electroosmotic flow in microchannels. Colloids and Surfaces B: Biointerfaces, 2012, 93, 260-262.	2.5	6
227	Electrophoresis of a charge-regulated soft sphere: Importance of effective membrane charge. Colloids and Surfaces B: Biointerfaces, 2013, 102, 864-870.	2.5	6
228	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
229	Critical coagulation concentration of counterions. AICHE Journal, 1996, 42, 3567-3570.	1.8	5
230	Electrical Properties of Charged Cylindrical and Spherical Surfaces in a General Electrolyte Solution. Langmuir, 1999, 15, 6244-6255.	1.6	5
231	Sedimentation of Concentrated Charged Spheres at Low Surface Potentials. Langmuir, 2000, 16, 1650-1654.	1.6	5
232	Dynamic electrophoresis of a spherical dispersion of soft particles subject to a stress-jump condition. Journal of Colloid and Interface Science, 2006, 299, 464-471.	5.0	5
233	Approximate Analytical Expressions for the Electrical Potential in a Cavity Containing Salt-Free Medium. Langmuir, 2007, 23, 10448-10454.	1.6	5
234	Stability of Soft Colloidal Particles in a Salt-Free Medium. Langmuir, 2009, 25, 9045-9050.	1.6	5

#	Article	IF	Citations
235	Electrophoresis of a Charge-Regulated Zwitterionic Particle: Influence of Temperature and Bulk Salt Concentration. Langmuir, 2013, 29, 2427-2433.	1.6	5
236	Electrophoresis of a pH-Regulated Zwitterionic Nanoparticle in a pH-Regulated Zwitterionic Capillary. Langmuir, 2013, 29, 7162-7169.	1.6	5
237	Influence of polyelectrolyte shape on its sedimentation behavior: effect of relaxation electric field. Soft Matter, 2014, 10, 8864-8874.	1.2	5
238	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
239	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
240	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
241	Contribution of Electrostatic Interaction to the Dynamic Stability Coefficient for Coagulation-Flocculation Kinetics of Beta-Iron Oxyhydroxides in Polyelectrolyte Solutions.. Journal of Chemical Engineering of Japan, 1998, 31, 722-733.	0.3	5
242	Non-isothermal dissolution of a solid particle in liquid. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 1689.	1.7	4
243	Electrical Interaction of a System Containing Arbitrary Shaped, Ion-Penetrable Charged Particles. Journal of Physical Chemistry B, 1998, 102, 3892-3896.	1.2	4
244	Electrophoretic mobility of a particle covered with an ion-penetrable membrane. Electrophoresis, 2001, 22, 1881-1886.	1.3	4
245	Inward release polymer matrix covered by a permeable membrane: a possible zero-order controlled release device. Chemical Engineering Science, 2005, 60, 5803-5808.	1.9	4
246	Electrophoresis of Two Identical Cylindrical Particles along the Axis of a Cylindrical Pore. Industrial & Engineering Chemistry Research, 2005, 44, 1105-1111.	1.8	4
247	Electrokinetic flow in an elliptic microchannel covered by ion-penetrable membrane. Colloids and Surfaces B: Biointerfaces, 2006, 53, 127-138.	2.5	4
248	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
249	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
250	Diffusiophoresis of a pH-regulated, zwitterionic polyelectrolyte in a solution containing multiple ionic species. Chemical Engineering Science, 2014, 118, 164-172.	1.9	4
251	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
252	FLOC BREAKAGE ANALYSISâ€" A SIMULATION APPROACH. Chemical Engineering Communications, 1986, 44, 21-32.	1.5	3

#	Article	IF	Citations
253	Unsteady state, non-isothermal dissolution of a solid particle in liquid. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 1435.	1.7	3
254	Distribution of porous colloidal particles in an energy field. Chemical Physics, 1999, 242, 69-79.	0.9	3
255	Conductivity of a Concentrated Cylindrical Dispersion. Langmuir, 2001, 17, 1821-1825.	1.6	3
256	Electrical Interaction between a Spheroid and a Spherical Cavity. Langmuir, 2002, 18, 2743-2749.	1.6	3
257	Theoretical Analysis of a Novel Electrical Field Assisted Membrane Module Comprising an Array of Microchannel Units. Journal of Physical Chemistry B, 2006, 110, 10082-10087.	1.2	3
258	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
259	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
260	Influence of temperature on the gel electrophoresis of a pH-regulated, zwitterionic sphere. Soft Matter, 2013, 9, 11534.	1.2	3
261	Effect of eccentricity on the electroosmotic flow in an elliptic channel. Journal of Colloid and Interface Science, 2015, 460, 81-86.	5.0	3
262	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
263	Diffusiophoresis of a pH-regulated polyelectrolyte in a nanopore of nonuniform cross section. Microfluidics and Nanofluidics, 2015, 19, 647-652.	1.0	3
264	Separation of charge-regulated polyelectrolytes by pH-assisted diffusiophoresis. Physical Chemistry Chemical Physics, 2017, 19, 9059-9063.	1.3	3
265	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
266	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
267	A STOCHASTIC ANALYSIS OF COKE DEPOSITION. Chemical Engineering Communications, 1987, 50, 69-79.	1.5	2
268	Electrical Interactions between Two Charged Spheroids in a Symmetric Electrolyte Solution. Langmuir, 1998, 14, 5383-5388.	1.6	2
269	SUPERSATURATION, INDUCTION PERIOD, AND METASTABLE ZONE WIDTH OF CaCl2â€"Na2C03â€"HCl SYSTEM. Chemical Engineering Communications, 2001, 188, 243-263.	1.5	2
270	Effect of ionic sizes on the stability ratio of a dispersion of particles with a charge-regulated surface. Journal of Colloid and Interface Science, 2004, 272, 352-357.	5.0	2

#	Article	IF	Citations
271	Effect of Ionic Size on the Deposition of Charge-Regulated Particles to a Charged Surface. Langmuir, 2004, 20, 11270-11277.	1.6	2
272	Modeling the controlled release of drug embedded in a plate-like polymer matrix. Chemical Engineering Science, 2005, 60, 1295-1301.	1.9	2
273	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
274	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
275	The stability of a salt-free colloidal dispersion. Journal of Chemical Physics, 2008, 128, 104509.	1.2	2
276	Sedimentation adsorption of a charge-regulated colloidal particle onto a large charged disk. Journal of Chemical Physics, 2009, 130, 194901.	1.2	2
277	Electrophoretic behaviors of human hepatoma HepG2 cells. Electrophoresis, 2009, 30, 1531-1537.	1.3	2
278	Diffusiophoresis of a Nonuniformly Charged Sphere in a Narrow Cylindrical Pore. Journal of Physical Chemistry C, 2011, 115, 12592-12603.	1.5	2
279	Electrophoresis of a soft toroid of nonuniform structure. Colloids and Surfaces B: Biointerfaces, 2012, 98, 36-42.	2.5	2
280	Diffusiophoresis of a charged toroidal polyelectrolyte. Journal of Colloid and Interface Science, 2016, 471, 14-19.	5.0	2
281	Sedimentation of a pH-Regulated Nanoparticle in a Generalized Gravitational Field. Journal of Physical Chemistry C, 2017, 121, 24272-24281.	1.5	2
282	Amorphous mesoporous matrix from metal-organic framework UiO-66 template with strong nucleophile substitution. Chemosphere, 2021, 268, 129155.	4.2	2
283	Nanosensing of Acetylcholine Molecules: Influence of the Association Mechanism. Langmuir, 2022, 38, 289-298.	1.6	2
284	NUMERICAL SIMULATION OF A MULTI-MICHAELIS-MENTEN MODEL THROUGH A FUZZY-RELATION MATRIX REPRESENTATION. Chemical Engineering Communications, 1991, 105, 221-230.	1.5	1
285	Dissolution of spherical particles in liquids. Journal of Colloid and Interface Science, 1991, 144, 597-599.	5.0	1
286	Electrical Interaction of a System Containing Multiple Charged Rigid Spherical Particles. Journal of Physical Chemistry B, 1998, 102, 8492-8497.	1.2	1
287	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
288	A kinetic analysis of the germination of fungal spores. Bulletin of Mathematical Biology, 1991, 53, 901-909.	0.9	0

#	Article	IF	Citations
289	Distribution of Colloidal Particles in a Spherical Cavity. Journal of Physical Chemistry B, 2005, 109, 18048-18054.	1.2	0
290	Translation of two coaxial, nonhomogeneously structured flocs normal to a plate. Colloid and Polymer Science, 2008, 286, 1593-1604.	1.0	0
291	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
292	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
293	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
294	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
295	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