

# Jyh-Ping Hsu

## List of Publications by Year in descending order

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295  
papers

5,916  
citations

93792

39  
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150775

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300  
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300  
docs citations

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times ranked

3468  
citing authors

#	ARTICLE	IF	CITATIONS
1	An ultra-sensitive electrochemical sensor based on 2D g-C <sub>3</sub> N <sub>4</sub> /CuO nanocomposites for dopamine detection. <i>Carbon</i> , 2018, 130, 652-663.	5.4	250
2	Behavior of soybean oil-in-water emulsion stabilized by nonionic surfactant. <i>Journal of Colloid and Interface Science</i> , 2003, 259, 374-381.	5.0	160
3	Influence of metal oxide nanoparticles concentration on their zeta potential. <i>Journal of Colloid and Interface Science</i> , 2013, 407, 22-28.	5.0	115
4	Ion Concentration Polarization in Polyelectrolyte-Modified Nanopores. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8672-8677.	1.5	114
5	Field Effect Control of Surface Charge Property and Electroosmotic Flow in Nanofluidics. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4209-4216.	1.5	100
6	Salinity gradient power: influences of temperature and nanopore size. <i>Nanoscale</i> , 2016, 8, 2350-2357.	2.8	99
7	Electrokinetic Flow through an Elliptical Microchannel: Effects of Aspect Ratio and Electrical Boundary Conditions. <i>Journal of Colloid and Interface Science</i> , 2002, 248, 176-184.	5.0	87
8	Improving stability of MXenes. <i>Nano Research</i> , 2022, 15, 6551-6567.	5.8	87
9	Unraveling the Anomalous Surface-Charge-Dependent Osmotic Power Using a Single Funnel-Shaped Nanochannel. <i>ACS Nano</i> , 2019, 13, 13374-13381.	7.3	86
10	Electrophoretic Mobility of a Sphere in a Spherical Cavity. <i>Journal of Colloid and Interface Science</i> , 1998, 205, 65-76.	5.0	85
11	Regulating DNA translocation through functionalized soft nanopores. <i>Nanoscale</i> , 2012, 4, 2685.	2.8	78
12	Evaluation of the electric force in electrophoresis. <i>Journal of Colloid and Interface Science</i> , 2007, 305, 324-329.	5.0	75
13	Power generation by a pH-regulated conical nanopore through reverse electrodialysis. <i>Journal of Power Sources</i> , 2017, 366, 169-177.	4.0	73
14	Ionic Current Rectification in a pH-Tunable Polyelectrolyte Brushes Functionalized Conical Nanopore: Effect of Salt Gradient. <i>Analytical Chemistry</i> , 2016, 88, 1176-1187.	3.2	70
15	Electrokinetic ion and fluid transport in nanopores functionalized by polyelectrolyte brushes. <i>Nanoscale</i> , 2012, 4, 5169.	2.8	69
16	Effects of double-layer polarization and counterion condensation on the electrophoresis of polyelectrolytes. <i>Soft Matter</i> , 2011, 7, 396-411.	1.2	66
17	Ionic Current Rectification in a Conical Nanopore: Influences of Electroosmotic Flow and Type of Salt. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4576-4582.	1.5	66
18	Preparation of submicron-sized Mg(OH) <sub>2</sub> particles through precipitation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 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. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25620-25627.	1.5	63
20	Ion Current Rectification Behavior of Bioinspired Nanopores Having a pH-Tunable Zwitterionic Surface. <i>Analytical Chemistry</i> , 2017, 89, 3952-3958.	3.2	62
21	An ultrathin ionomer interphase for high efficiency lithium anode in carbonate based electrolyte. <i>Nature Communications</i> , 2019, 10, 5824.	5.8	62
22	Regulating Current Rectification and Nanoparticle Transport Through a Salt Gradient in Bipolar Nanopores. <i>Small</i> , 2015, 11, 4594-4602.	5.2	60
23	Water stable metal-organic framework as adsorbent from aqueous solution: A mini-review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 176-183.	2.7	60
24	Electrophoretic Mobility of a Concentrated Suspension of Spherical Particles. <i>Journal of Colloid and Interface Science</i> , 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 <sup>+</sup> distribution. <i>Electrochimica Acta</i> , 2019, 294, 84-92.	2.6	58
26	Highly Charged Particles Cause a Larger Current Blockage in Micropores Compared to Neutral Particles. <i>ACS Nano</i> , 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. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 30160-30165.	1.3	55
28	Influence of electroosmotic flow on the ionic current rectification in a pH-regulated, conical nanopore. <i>Nanoscale</i> , 2015, 7, 14023-14031.	2.8	54
29	Rectification of ionic current in nanopores functionalized with bipolar polyelectrolyte brushes. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 1223-1229.	4.0	53
30	Controlling pH-Regulated Bionanoparticles Translocation through Nanopores with Polyelectrolyte Brushes. <i>Analytical Chemistry</i> , 2012, 84, 9615-9622.	3.2	51
31	Electrophoretic Mobility of a Spherical Particle in a Spherical Cavity. <i>Journal of Colloid and Interface Science</i> , 1997, 196, 316-320.	5.0	46
32	Importance of polyelectrolyte modification for rectifying the ionic current in conically shaped nanochannels. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5351-5360.	1.3	45
33	DNA Electrokinetic Translocation through a Nanopore: Local Permittivity Environment Effect. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4793-4801.	1.5	44
34	Electrophoresis of a Sphere along the Axis of a Cylindrical Pore: Effects of Double-Layer Polarization and Electroosmotic Flow. <i>Langmuir</i> , 2007, 23, 6198-6204.	1.6	43
35	Electrophoresis of a Finite Cylinder along the Axis of a Cylindrical Pore. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10605-10609.	1.2	42
36	Modulation of Charge Density and Charge Polarity of Nanopore Wall by Salt Gradient and Voltage. <i>ACS Nano</i> , 2019, 13, 9868-9879.	7.3	42

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37	Tunable Current Rectification and Selectivity Demonstrated in Nanofluidic Diodes through Kinetic Functionalization. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 60-66.	2.1	42
38	Electrophoresis of a Spherical Dispersion of Polyelectrolytes in a Salt-Free Solution. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1490-1498.	1.2	41
39	Salinity gradient power: Optimization of nanopore size. <i>Electrochimica Acta</i> , 2016, 219, 790-797.	2.6	41
40	Boundary Effect on Diffusiophoresis: Spherical Particle in a Spherical Cavity. <i>Langmuir</i> , 2009, 25, 1772-1784.	1.6	39
41	Electrophoresis of a spherical particle along the axis of a cylindrical pore: effect of electroosmotic flow. <i>Journal of Colloid and Interface Science</i> , 2004, 276, 248-254.	5.0	38
42	Electrokinetics of pH-regulated zwitterionic polyelectrolyte nanoparticles. <i>Nanoscale</i> , 2012, 4, 7575.	2.8	38
43	Importance of Temperature Effect on the Electrophoretic Behavior of Charge-Regulated Particles. <i>Langmuir</i> , 2012, 28, 1013-1019.	1.6	38
44	Electrophoretic Motion of a Charge-Regulated Sphere Normal to a Plane. <i>Journal of Colloid and Interface Science</i> , 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. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7701-7708.	1.2	36
46	Importance of Ionic Polarization Effect on the Electrophoretic Behavior of Polyelectrolyte Nanoparticles in Aqueous Electrolyte Solutions. <i>Journal of Physical Chemistry C</i> , 2012, 116, 367-373.	1.5	36
47	Electrophoresis of concentrated spherical particles with a charge-regulated surface. <i>Journal of Chemical Physics</i> , 2000, 112, 6404-6410.	1.2	33
48	An experimental study on the rheological properties of aqueous ceria dispersions. <i>Journal of Colloid and Interface Science</i> , 2004, 274, 277-284.	5.0	33
49	Diffusiophoresis of a Soft Spherical Particle in a Spherical Cavity. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8646-8656.	1.2	33
50	Effect of Multiple Ionic Species on the Electrophoretic Behavior of a Charge-Regulated Particle. <i>Langmuir</i> , 2010, 26, 16857-16864.	1.6	33
51	Counterion condensation in pH-regulated polyelectrolytes. <i>Electrochemistry Communications</i> , 2012, 19, 97-100.	2.3	33
52	Salt-Dependent Ion Current Rectification in Conical Nanopores: Impact of Salt Concentration and Cone Angle. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28139-28147.	1.5	33
53	Dynamic Interactions of Two Electrical Double Layers. <i>Journal of Colloid and Interface Science</i> , 1997, 195, 388-394.	5.0	32
54	Boundary effect on electrophoresis: finite cylinder in a cylindrical pore. <i>Journal of Colloid and Interface Science</i> , 2005, 283, 592-600.	5.0	31

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55	Diffusiophoresis of Concentrated Suspensions of Spherical Particles with Distinct Ionic Diffusion Velocities. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2533-2539.	1.2	31
56	Influence of salt valence on the rectification behavior of nanochannels. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 483-492.	5.0	31
57	Electrophoresis of a Sphere Normal to a Plane at Arbitrary Electrical Potential and Double Layer Thickness. <i>Journal of Colloid and Interface Science</i> , 2002, 248, 383-388.	5.0	30
58	Electrophoresis of a Sphere in a Spherical Cavity at Arbitrary Electrical Potentials. <i>Langmuir</i> , 2001, 17, 6289-6297.	1.6	29
59	Electrophoresis of a Finite Cylinder Positioned Eccentrically along the Axis of a Long Cylindrical Pore. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17607-17615.	1.2	29
60	Dynamic Electrophoretic Mobility of Concentrated Spherical Dispersions. <i>Journal of Physical Chemistry B</i> , 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. <i>Journal of Physical Chemistry C</i> , 2019, 123, 12437-12443.	1.5	28
62	Dynamic Electrophoretic Mobility in Electroacoustic Phenomenon: Concentrated Dispersions at Arbitrary Potentials. <i>Journal of Physical Chemistry B</i> , 2002, 106, 4789-4798.	1.2	27
63	Electrophoresis of a concentrated dispersion of spherical particles covered by an ion-penetrable membrane layer. <i>Journal of Colloid and Interface Science</i> , 2004, 280, 518-526.	5.0	27
64	Sedimentation potential of a concentrated spherical colloidal suspension. <i>Journal of Chemical Physics</i> , 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. <i>Electrochimica Acta</i> , 2020, 354, 136658.	2.6	26
66	Electrophoresis of a spherical particle along the axis of a cylindrical pore filled with a Carreau fluid. <i>Colloid and Polymer Science</i> , 2006, 284, 886-892.	1.0	25
67	Electrophoresis of a Charge-Regulated Soft Sphere in a Charged Cylindrical Pore. <i>Journal of Physical Chemistry B</i> , 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. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 559-567.	2.5	25
69	Controllable interface engineering of g-C <sub>3</sub> N <sub>4</sub> /CuS nanocomposite photocatalysts. <i>Journal of Alloys and Compounds</i> , 2022, 911, 165020.	2.8	25
70	The induction period of the CaCl <sub>2</sub> -Na <sub>2</sub> CO <sub>3</sub> system: Theory and experiment. <i>Journal of Chemical Physics</i> , 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. <i>Journal of Colloid and Interface Science</i> , 1995, 172, 230-241.	5.0	23
72	The role of cell density in the survival of cultured cerebellar granule neurons. <i>Journal of Biomedical Materials Research Part B</i> , 2000, 52, 748-753.	3.0	23

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73	Electrophoresis of a Sphere at an Arbitrary Position in a Spherical Cavity. <i>Langmuir</i> , 2002, 18, 8897-8901.	1.6	23
74	Electrophoresis in a non-Newtonian fluid: sphere in a spherical cavity. <i>Journal of Colloid and Interface Science</i> , 2003, 258, 283-288.	5.0	23
75	The Electrostatic Interaction Force between a Charge-Regulated Particle and a Rigid Surface. <i>Journal of Colloid and Interface Science</i> , 1996, 183, 194-198.	5.0	22
76	Electrophoresis of a sphere at an arbitrary position in a spherical cavity filled with Carreau fluid. <i>Journal of Colloid and Interface Science</i> , 2004, 280, 256-263.	5.0	22
77	Model for Sludge Cake Drying Accounting for Developing Cracks. <i>Drying Technology</i> , 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. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16576-16587.	1.5	22
79	Pressure-driven energy conversion of conical nanochannels: Anomalous dependence of power generated and efficiency on pH. <i>Journal of Colloid and Interface Science</i> , 2020, 564, 491-498.	5.0	22
80	Influence of the shape of a polyelectrolyte on its electrophoretic behavior. <i>Soft Matter</i> , 2012, 8, 9469.	1.2	21
81	Theoretical study of temperature influence on the electrophoresis of a pH-regulated polyelectrolyte. <i>Analytica Chimica Acta</i> , 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. <i>Journal of Colloid and Interface Science</i> , 1994, 166, 208-214.	5.0	20
83	Sedimentation of a cylindrical particle in a Carreau fluid. <i>Journal of Colloid and Interface Science</i> , 2005, 286, 392-399.	5.0	20
84	Diffusiophoresis of a Charge-Regulated Sphere along the Axis of an Uncharged Cylindrical Pore. <i>Langmuir</i> , 2010, 26, 8648-8658.	1.6	20
85	Voltage-controlled ion transport and selectivity in a conical nanopore functionalized with pH-tunable polyelectrolyte brushes. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 496-504.	5.0	20
86	Double-Layer Properties of an Ion-Penetrable Charged Membrane: Effect of Sizes of Charged Species. <i>Journal of Physical Chemistry B</i> , 1999, 103, 9743-9748.	1.2	19
87	Electrophoresis of a rigid sphere in a Carreau fluid normal to a planar surface. <i>Journal of Colloid and Interface Science</i> , 2005, 285, 857-864.	5.0	19
88	Electrophoresis of a Charge-Regulated Sphere Normal to a Large Disk. <i>Langmuir</i> , 2005, 21, 7588-7597.	1.6	19
89	Effect of a Charged Boundary on Electrophoresis in a Carreau Fluid: A Sphere at an Arbitrary Position in a Spherical Cavity. <i>Langmuir</i> , 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. <i>Microfluidics and Nanofluidics</i> , 2009, 7, 383-392.	1.0	19

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91	Diffusiophoresis of a Charge-Regulated Spherical Particle Normal to Two Parallel Disks. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2766-2778.	1.2	19
92	Capillary Osmosis in a Charged Nanopore Connecting Two Large Reservoirs. <i>Langmuir</i> , 2013, 29, 9598-9603.	1.6	19
93	Kinetic modeling of melt transesterification of diphenyl carbonate and bisphenol-A. <i>Polymer</i> , 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. <i>Journal of Colloid and Interface Science</i> , 2007, 314, 256-263.	5.0	18
95	Diffusiophoresis of a sphere along the axis of a cylindrical pore. <i>Journal of Colloid and Interface Science</i> , 2010, 342, 598-606.	5.0	18
96	Influence of temperature and electroosmotic flow on the rectification behavior of conical nanochannels. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 142-149.	2.7	18
97	Regulating the ionic current rectification behavior of branched nanochannels by filling polyelectrolytes. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 683-690.	5.0	18
98	Modified Gouy-Chapman theory for an ion-penetrable charged membrane. <i>Journal of Chemical Physics</i> , 1999, 111, 4807-4816.	1.2	17
99	Stability of Colloidal Dispersions: A Charge Regulation/Adsorption Model. <i>Langmuir</i> , 1999, 15, 5219-5226.	1.6	17
100	Electrophoretic mobility of concentrated spheres with a charge-regulated surface. <i>Electrophoresis</i> , 2000, 21, 475-480.	1.3	17
101	Electrophoresis in a Carreau Fluid at Arbitrary Zeta Potentials. <i>Langmuir</i> , 2004, 20, 7952-7959.	1.6	17
102	Drag force on a rigid spheroidal particle in a cylinder filled with Carreau fluid. <i>Journal of Colloid and Interface Science</i> , 2005, 284, 729-741.	5.0	17
103	Melt Transesterification of Polycarbonate Catalyzed by DMAP. <i>Industrial &amp; Engineering Chemistry Research</i> , 2006, 45, 2672-2676.	1.8	17
104	Diffusiophoresis of a Soft Sphere Normal to Two Parallel Disks. <i>Langmuir</i> , 2010, 26, 16037-16047.	1.6	17
105	Gel electrophoresis: Importance of concentration-dependent permittivity and double-layer polarization. <i>Chemical Engineering Science</i> , 2012, 84, 574-579.	1.9	17
106	Diffusiophoresis of a polyelectrolyte in a salt concentration gradient. <i>Electrophoresis</i> , 2012, 33, 1068-1078.	1.3	17
107	Diffusiophoresis of a soft, pH-regulated particle in a solution containing multiple ionic species. <i>Journal of Colloid and Interface Science</i> , 2015, 438, 196-203.	5.0	17
108	Effective adsorption of phosphoric acid by UiO-66 and UiO-66-NH <sub>2</sub> from extremely acidic mixed waste acids: Proof of concept. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 96, 483-486.	2.7	17

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109	Pressure-driven ion separation through a pH-regulated cylindrical nanopore. <i>Journal of Membrane Science</i> , 2020, 604, 118073.	4.1	17
110	Electrical Interactions between Two Ion-Penetrable Charged Membranes: Effect of Sizes of Charged Species. <i>Langmuir</i> , 2000, 16, 6233-6239.	1.6	16
111	On the Factors Influencing the Preparation of Nanosized Titania Sols. <i>Langmuir</i> , 2003, 19, 4448-4454.	1.6	16
112	Electrophoresis of a Concentrated Dispersion of Spherical Particles in a Non-Newtonian Fluid. <i>Langmuir</i> , 2004, 20, 2149-2156.	1.6	16
113	Drag force on a porous, non-homogeneous spheroidal floc in a uniform flow field. <i>Journal of Colloid and Interface Science</i> , 2003, 259, 301-308.	5.0	15
114	Electrophoresis of a toroid along the axis of a cylindrical pore. <i>Electrophoresis</i> , 2006, 27, 3155-3165.	1.3	15
115	Electrophoresis of a Charge-Regulated Sphere in a Narrow Cylindrical Pore Filled with Multiple Ionic Species. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3972-3980.	1.2	15
116	Ultrashort nanopores of large radius can generate anomalously high salinity gradient power. <i>Electrochimica Acta</i> , 2020, 353, 136613.	2.6	15
117	Ion current rectification behavior of a nanochannel having nonuniform cross-section. <i>Electrophoresis</i> , 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. <i>Journal of Colloid and Interface Science</i> , 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. <i>Colloid and Polymer Science</i> , 1994, 272, 946-954.	1.0	14
120	Adsorption of a Charge-Regulated Particle to a Charged Surface. <i>Langmuir</i> , 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. <i>Journal of Physical Chemistry B</i> , 2002, 106, 2117-2122.	1.2	14
122	Drag force on a floc in a flow field: two-layer model. <i>Chemical Engineering Science</i> , 2002, 57, 2627-2633.	1.9	14
123	Electrophoresis of a Membrane-Coated Sphere in a Spherical Cavity. <i>Langmuir</i> , 2004, 20, 9415-9421.	1.6	14
124	Electrophoresis of Two Identical Rigid Spheres in a Charged Cylindrical Pore. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2579-2586.	1.2	14
125	Unified Analysis of Dewatering and Drying of Sludge Cake. <i>Drying Technology</i> , 2010, 28, 877-880.	1.7	14
126	Gel electrophoresis of a charge-regulated, bifunctional particle. <i>Electrophoresis</i> , 2013, 34, 785-791.	1.3	14



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127	Dissolution of solid particles in liquids. <i>Journal of Colloid and Interface Science</i> , 1991, 141, 60-66.	5.0	13
128	Approximate analytical expressions for the properties of an electrical double layer with asymmetric electrolytes. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 1229.	1.7	13
129	Gradient-Index Polymer Optical Fiber Preparation through a Co-Extrusion Process. <i>Polymer Journal</i> , 1999, 31, 233-237.	1.3	13
130	Electrophoretic behavior of cerebellar granule neurons. <i>Electrophoresis</i> , 2002, 23, 2001.	1.3	13
131	Electrophoresis of biological cells: Charge-regulation and multivalent counterions association model. <i>Electrophoresis</i> , 2003, 24, 1338-1346.	1.3	13
132	Electrophoresis of a Spheroid in a Spherical Cavity. <i>Langmuir</i> , 2003, 19, 7469-7473.	1.6	13
133	Temperature dependence of the viscosity of nonpolymeric liquids. <i>Journal of Chemical Physics</i> , 2003, 118, 172-178.	1.2	13
134	Electrophoresis of a Rigid Sphere in a Carreau Fluid Normal to a Large Charged Disk. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12351-12361.	1.2	13
135	Electrophoresis of a soft sphere in a necked cylindrical nanopore. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11758.	1.3	13
136	Ionic current in a pH-regulated nanochannel filled with multiple ionic species. <i>Microfluidics and Nanofluidics</i> , 2014, 17, 933-941.	1.0	13
137	Electrophoretic Mobility of Biological Cells in Asymmetric Electrolyte Solutions. <i>Journal of Theoretical Biology</i> , 1996, 182, 137-145.	0.8	12
138	Boundary effect on the drag force on a nonhomogeneous floc. <i>Journal of Colloid and Interface Science</i> , 2003, 264, 517-525.	5.0	12
139	Electrophoresis of a spheroid along the axis of a cylindrical pore. <i>Chemical Engineering Science</i> , 2003, 58, 5339-5347.	1.9	12
140	Estimation of the Ionic Distribution in a Reverse Micelle: Effect of Ionic Size. <i>Journal of Physical Chemistry B</i> , 2003, 107, 14429-14433.	1.2	12
141	Electrophoresis of a charge-regulated particle at an arbitrary position in a spherical cavity. <i>Colloid and Polymer Science</i> , 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. <i>Journal of Colloid and Interface Science</i> , 2007, 310, 281-291.	5.0	12
143	Electrokinetic flow in a pH-regulated, cylindrical nanochannel containing multiple ionic species. <i>Microfluidics and Nanofluidics</i> , 2013, 15, 847-857.	1.0	12
144	Electrophoresis of Deformable Polyelectrolytes in a Nanofluidic Channel. <i>Langmuir</i> , 2013, 29, 2446-2454.	1.6	12

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145	Electrodifusioosmosis in a Solid-State Nanopore Connecting Two Large Reservoirs: Optimum Pore Size. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19498-19504.	1.5	12
146	Electrokinetic ion transport in an asymmetric double-gated nanochannel with a pH-tunable zwitterionic surface. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7773-7780.	1.3	12
147	Detection of the trace level of heavy metal ions by pH-regulated conical nanochannels. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 109, 145-152.	2.7	12
148	A dynamic anode boosting sulfamerazine mineralization <i>via</i> electrochemical oxidation. <i>Journal of Materials Chemistry A</i> , 2021, 10, 192-208.	5.2	12
149	Transport of Ions through Cylindrical Ion-Selective Membranes. <i>The Journal of Physical Chemistry</i> , 1996, 100, 12503-12508.	2.9	11
150	Current Efficiency of Ion-Selective Membranes: Effects of Local Electroneutrality and Donnan Equilibrium. <i>Journal of Physical Chemistry B</i> , 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. <i>Colloids and Surfaces B: Biointerfaces</i> , 1999, 13, 277-286.	2.5	11
152	Electrokinetic flow in a planar slit covered by an ion-penetrable charged membrane. <i>Electrophoresis</i> , 2000, 21, 3541-3551.	1.3	11
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