

Jyh-Ping Hsu

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298
papers

4,678
citations

35
h-index

49
g-index

300
ext. papers

5,293
ext. citations

5.6
avg, IF

5.95
L-index

#	Paper	IF	Citations
298	Behavior of soybean oil-in-water emulsion stabilized by nonionic surfactant. <i>Journal of Colloid and Interface Science</i> , 2003 , 259, 374-81	9.3	136
297	An ultra-sensitive electrochemical sensor based on 2D g-C ₃ N ₄ /CuO nanocomposites for dopamine detection. <i>Carbon</i> , 2018 , 130, 652-663	10.4	111
296	Ion Concentration Polarization in Polyelectrolyte-Modified Nanopores. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 8672-8677	3.8	97
295	Influence of metal oxide nanoparticles concentration on their zeta potential. <i>Journal of Colloid and Interface Science</i> , 2013 , 407, 22-8	9.3	94
294	Field Effect Control of Surface Charge Property and Electroosmotic Flow in Nanofluidics. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4209-4216	3.8	86
293	Electrophoretic Mobility of a Sphere in a Spherical Cavity. <i>Journal of Colloid and Interface Science</i> , 1998 , 205, 65-76	9.3	81
292	Electrokinetic flow through an elliptical microchannel: effects of aspect ratio and electrical boundary conditions. <i>Journal of Colloid and Interface Science</i> , 2002 , 248, 176-84	9.3	76
291	Evaluation of the electric force in electrophoresis. <i>Journal of Colloid and Interface Science</i> , 2007 , 305, 324-9	9.3	74
290	Regulating DNA translocation through functionalized soft nanopores. <i>Nanoscale</i> , 2012 , 4, 2685-93	7.7	68
289	Salinity gradient power: influences of temperature and nanopore size. <i>Nanoscale</i> , 2016 , 8, 2350-7	7.7	63
288	Effects of double-layer polarization and counterion condensation on the electrophoresis of polyelectrolytes. <i>Soft Matter</i> , 2011 , 7, 396-411	3.6	62
287	Electrokinetic ion and fluid transport in nanopores functionalized by polyelectrolyte brushes. <i>Nanoscale</i> , 2012 , 4, 5169-77	7.7	61
286	Electrophoretic Mobility of a Concentrated Suspension of Spherical Particles. <i>Journal of Colloid and Interface Science</i> , 1999 , 209, 240-246	9.3	59
285	Preparation of submicron-sized Mg(OH) ₂ particles through precipitation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 262, 220-231	5.1	57
284	Ionic Current Rectification in a pH-Tunable Polyelectrolyte Brushes Functionalized Conical Nanopore: Effect of Salt Gradient. <i>Analytical Chemistry</i> , 2016 , 88, 1176-87	7.8	55
283	Power generation by a pH-regulated conical nanopore through reverse electrodialysis. <i>Journal of Power Sources</i> , 2017 , 366, 169-177	8.9	53
282	Regulating Current Rectification and Nanoparticle Transport Through a Salt Gradient in Bipolar Nanopores. <i>Small</i> , 2015 , 11, 4594-602	11	51

281	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	3.8	48
280	Ion Current Rectification Behavior of Bioinspired Nanopores Having a pH-Tunable Zwitterionic Surface. <i>Analytical Chemistry</i> , 2017 , 89, 3952-3958	7.8	46
279	Electrophoretic Mobility of a Spherical Particle in a Spherical Cavity. <i>Journal of Colloid and Interface Science</i> , 1997 , 196, 316-320	9.3	45
278	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	3.6	44
277	Influence of electroosmotic flow on the ionic current rectification in a pH-regulated, conical nanopore. <i>Nanoscale</i> , 2015 , 7, 14023-31	7.7	43
276	Unraveling the Anomalous Surface-Charge-Dependent Osmotic Power Using a Single Funnel-Shaped Nanochannel. <i>ACS Nano</i> , 2019 , 13, 13374-13381	16.7	43
275	Highly Charged Particles Cause a Larger Current Blockage in Micropores Compared to Neutral Particles. <i>ACS Nano</i> , 2016 , 10, 8413-22	16.7	42
274	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	3.8	42
273	DNA Electrokinetic Translocation through a Nanopore: Local Permittivity Environment Effect. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4793-4801	3.8	42
272	Electrophoresis of a sphere along the axis of a cylindrical pore: effects of double-layer polarization and electroosmotic flow. <i>Langmuir</i> , 2007 , 23, 6198-204	4	41
271	Controlling pH-regulated bionanoparticles translocation through nanopores with polyelectrolyte brushes. <i>Analytical Chemistry</i> , 2012 , 84, 9615-22	7.8	40
270	Electrophoresis of a Finite Cylinder along the Axis of a Cylindrical Pore. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 10605-10609	3.4	39
269	Electrophoresis of a spherical dispersion of polyelectrolytes in a salt-free solution. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 1490-8	3.4	38
268	An ultrathin ionomer interphase for high efficiency lithium anode in carbonate based electrolyte. <i>Nature Communications</i> , 2019 , 10, 5824	17.4	37
267	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	3.8	36
266	Boundary effect on diffusiophoresis: spherical particle in a spherical cavity. <i>Langmuir</i> , 2009 , 25, 1772-84	4	35
265	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, 248-54	9.3	35
264	Electrophoretic Motion of a Charge-Regulated Sphere Normal to a Plane. <i>Journal of Colloid and Interface Science</i> , 2001 , 242, 121-126	9.3	35

263	Rectification of ionic current in nanopores functionalized with bipolar polyelectrolyte brushes. <i>Sensors and Actuators B: Chemical</i> , 2018 , 258, 1223-1229	8.5	35
262	Electrokinetics of pH-regulated zwitterionic polyelectrolyte nanoparticles. <i>Nanoscale</i> , 2012 , 4, 7575-84	7.7	34
261	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	5.3	32
260	Counterion condensation in pH-regulated polyelectrolytes. <i>Electrochemistry Communications</i> , 2012 , 19, 97-100	5.1	32
259	Effect of multiple ionic species on the electrophoretic behavior of a charge-regulated particle. <i>Langmuir</i> , 2010 , 26, 16857-64	4	32
258	An experimental study on the rheological properties of aqueous ceria dispersions. <i>Journal of Colloid and Interface Science</i> , 2004 , 274, 277-84	9.3	32
257	Importance of temperature effect on the electrophoretic behavior of charge-regulated particles. <i>Langmuir</i> , 2012 , 28, 1013-9	4	31
256	Diffusiophoresis of a soft spherical particle in a spherical cavity. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 8646-56	3.4	31
255	Electrophoresis of concentrated spherical particles with a charge-regulated surface. <i>Journal of Chemical Physics</i> , 2000 , 112, 6404-6410	3.9	31
254	Power generation from a pH-regulated nanochannel through reverse electro dialysis: Effects of nanochannel shape and non-uniform H ⁺ distribution. <i>Electrochimica Acta</i> , 2019 , 294, 84-92	6.7	30
253	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, 7701-8	3.4	29
252	Diffusiophoresis of concentrated suspensions of spherical particles with distinct ionic diffusion velocities. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 2533-9	3.4	29
251	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, 383-8	9.3	29
250	Boundary effect on electrophoresis: finite cylinder in a cylindrical pore. <i>Journal of Colloid and Interface Science</i> , 2005 , 283, 592-600	9.3	29
249	Dynamic Electrophoretic Mobility of Concentrated Spherical Dispersions. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 7239-7245	3.4	28
248	Importance of polyelectrolyte modification for rectifying the ionic current in conically shaped nanochannels. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 5351-5360	3.6	27
247	Electrophoresis of a Sphere in a Spherical Cavity at Arbitrary Electrical Potentials. <i>Langmuir</i> , 2001 , 17, 6289-6297	4	27
246	Salinity gradient power: Optimization of nanopore size. <i>Electrochimica Acta</i> , 2016 , 219, 790-797	6.7	27

245	Modulation of Charge Density and Charge Polarity of Nanopore Wall by Salt Gradient and Voltage. <i>ACS Nano</i> , 2019 , 13, 9868-9879	16.7	26
244	Dynamic Interactions of Two Electrical Double Layers. <i>Journal of Colloid and Interface Science</i> , 1997 , 195, 388-94	9.3	26
243	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, 518-26	9.3	26
242	Dynamic Electrophoretic Mobility in Electroacoustic Phenomenon: Concentrated Dispersions at Arbitrary Potentials. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 4789-4798	3.4	26
241	Electrophoresis of a finite cylinder positioned eccentrically along the axis of a long cylindrical pore. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 17607-15	3.4	25
240	Sedimentation potential of a concentrated spherical colloidal suspension. <i>Journal of Chemical Physics</i> , 1999 , 110, 11643-11651	3.9	24
239	Electrophoresis of a charge-regulated soft sphere in a charged cylindrical pore. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 1621-31	3.4	23
238	Electrophoresis in a non-Newtonian fluid: sphere in a spherical cavity. <i>Journal of Colloid and Interface Science</i> , 2003 , 258, 283-8	9.3	23
237	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	3.8	22
236	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, 559-67	6	22
235	Electrophoresis of a Sphere at an Arbitrary Position in a Spherical Cavity. <i>Langmuir</i> , 2002 , 18, 8897-8901	4	22
234	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	9.3	22
233	Model for Sludge Cake Drying Accounting for Developing Cracks. <i>Drying Technology</i> , 2010 , 28, 922-926	2.6	21
232	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	3.8	21
231	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	3.8	21
230	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, 256-63	9.3	20
229	The induction period of the CaCl ₂ -Na ₂ CO ₃ system: Theory and experiment. <i>Journal of Chemical Physics</i> , 1999 , 111, 2657-2664	3.9	20
228	Tunable Current Rectification and Selectivity Demonstrated in Nanofluidic Diodes through Kinetic Functionalization. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 60-66	6.4	20

- 227 Influence of the shape of a polyelectrolyte on its electrophoretic behavior. *Soft Matter*, **2012**, 8, 9469 3.6 19
- 226 The role of cell density in the survival of cultured cerebellar granule neurons. *Journal of Biomedical Materials Research Part B*, **2000**, 52, 748-53 19
- 225 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 9.3 19
- 224 Diffusiophoresis of a charge-regulated spherical particle normal to two parallel disks. *Journal of Physical Chemistry B*, **2010**, 114, 2766-78 3.4 18
- 223 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 2.4 18
- 222 Sedimentation of a cylindrical particle in a Carreau fluid. *Journal of Colloid and Interface Science*, **2005**, 286, 392-9 9.3 18
- 221 Double-Layer Properties of an Ion-Penetrable Charged Membrane: Effect of Sizes of Charged Species. *Journal of Physical Chemistry B*, **1999**, 103, 9743-9748 3.4 18
- 220 Influence of salt valence on the rectification behavior of nanochannels. *Journal of Colloid and Interface Science*, **2018**, 531, 483-492 9.3 17
- 219 Capillary osmosis in a charged nanopore connecting two large reservoirs. *Langmuir*, **2013**, 29, 9598-603 4 17
- 218 Diffusiophoresis of a sphere along the axis of a cylindrical pore. *Journal of Colloid and Interface Science*, **2010**, 342, 598-606 9.3 17
- 217 Electrophoresis of a rigid sphere in a Carreau fluid normal to a planar surface. *Journal of Colloid and Interface Science*, **2005**, 285, 857-64 9.3 17
- 216 Electrophoretic mobility of concentrated spheres with a charge-regulated surface. *Electrophoresis*, **2000**, 21, 475-80 3.6 17
- 215 Modified Gouy-Chapman theory for an ion-penetrable charged membrane. *Journal of Chemical Physics*, **1999**, 111, 4807-4816 3.9 17
- 214 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 9.3 17
- 213 Theoretical study of temperature influence on the electrophoresis of a pH-regulated polyelectrolyte. *Analytica Chimica Acta*, **2014**, 847, 80-9 6.6 16
- 212 Diffusiophoresis of a polyelectrolyte in a salt concentration gradient. *Electrophoresis*, **2012**, 33, 1068-78 3.6 16
- 211 Diffusiophoresis of a charge-regulated sphere along the axis of an uncharged cylindrical pore. *Langmuir*, **2010**, 26, 8648-58 4 16
- 210 Electrophoresis of a finite rod along the axis of a long cylindrical microchannel filled with Carreau fluids. *Microfluidics and Nanofluidics*, **2009**, 7, 383-392 2.8 16

209	Electrophoresis of a charge-regulated sphere normal to a large disk. <i>Langmuir</i> , 2005 , 21, 7588-97	4	16
208	Electrophoresis of a concentrated dispersion of spherical particles in a non-Newtonian fluid. <i>Langmuir</i> , 2004 , 20, 2149-56	4	16
207	On the Factors Influencing the Preparation of Nanosized Titania Sols. <i>Langmuir</i> , 2003 , 19, 4448-4454	4	16
206	Drag force on a rigid spheroidal particle in a cylinder filled with Carreau fluid. <i>Journal of Colloid and Interface Science</i> , 2005 , 284, 729-41	9.3	16
205	Electrical Interactions between Two Ion-Penetrable Charged Membranes: Effect of Sizes of Charged Species. <i>Langmuir</i> , 2000 , 16, 6233-6239	4	16
204	Stability of Colloidal Dispersions: Charge Regulation/Adsorption Model. <i>Langmuir</i> , 1999 , 15, 5219-5226	4	16
203	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, 3972-80	3.4	15
202	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, 256-63	9.3	15
201	Melt Transesterification of Polycarbonate Catalyzed by DMAP. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 2672-2676	3.9	15
200	Drag force on a porous, non-homogeneous spheroidal floc in a uniform flow field. <i>Journal of Colloid and Interface Science</i> , 2003 , 259, 301-8	9.3	15
199	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	6.7	14
198	Diffusiophoresis of a soft sphere normal to two parallel disks. <i>Langmuir</i> , 2010 , 26, 16037-47	4	14
197	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, 8637-46	4	14
196	Electrophoresis in a Carreau fluid at arbitrary zeta potentials. <i>Langmuir</i> , 2004 , 20, 7952-9	4	14
195	Kinetic modeling of melt transesterification of diphenyl carbonate and bisphenol-A. <i>Polymer</i> , 2003 , 44, 5851-5857	3.9	14
194	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	9.3	14
193	Effective adsorption of phosphoric acid by UiO-66 and UiO-66-NH ₂ from extremely acidic mixed waste acids: Proof of concept. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 96, 483-486	5.3	14
192	Electrophoresis of a soft sphere in a necked cylindrical nanopore. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 11758-65	3.6	13

191	Gel electrophoresis: Importance of concentration-dependent permittivity and double-layer polarization. <i>Chemical Engineering Science</i> , 2012 , 84, 574-579	4.4	13
190	Adsorption of a Charge-Regulated Particle to a Charged Surface. <i>Langmuir</i> , 1997 , 13, 4372-4376	4	13
189	Electrophoresis of a membrane-coated sphere in a spherical cavity. <i>Langmuir</i> , 2004 , 20, 9415-21	4	13
188	Drag force on a floc in a flow field: two-layer model. <i>Chemical Engineering Science</i> , 2002 , 57, 2627-2633	4.4	13
187	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	3.4	13
186	Gradient-Index Polymer Optical Fiber Preparation through a Co-Extrusion Process. <i>Polymer Journal</i> , 1999 , 31, 233-237	2.7	13
185	Regulating the ionic current rectification behavior of branched nanochannels by filling polyelectrolytes. <i>Journal of Colloid and Interface Science</i> , 2019 , 557, 683-690	9.3	12
184	Unified Analysis of Dewatering and Drying of Sludge Cake. <i>Drying Technology</i> , 2010 , 28, 877-880	2.6	12
183	Electrophoresis of two identical rigid spheres in a charged cylindrical pore. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 2579-86	3.4	12
182	Electrophoresis of a rigid sphere in a Carreau fluid normal to a large charged disk. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 12351-61	3.4	12
181	Electrophoresis of a toroid along the axis of a cylindrical pore. <i>Electrophoresis</i> , 2006 , 27, 3155-65	3.6	12
180	Boundary effect on the drag force on a nonhomogeneous floc. <i>Journal of Colloid and Interface Science</i> , 2003 , 264, 517-25	9.3	12
179	Electrophoresis of a Spheroid in a Spherical Cavity. <i>Langmuir</i> , 2003 , 19, 7469-7473	4	12
178	Electrophoretic mobility of biological cells in asymmetric electrolyte solutions. <i>Journal of Theoretical Biology</i> , 1996 , 182, 137-45	2.3	12
177	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		12
176	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	2.4	12
175	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	5.3	12
174	Ionic current in a pH-regulated nanochannel filled with multiple ionic species. <i>Microfluidics and Nanofluidics</i> , 2014 , 17, 933-941	2.8	11

173	Electrophoresis of deformable polyelectrolytes in a nanofluidic channel. <i>Langmuir</i> , 2013 , 29, 2446-54	4	11
172	Importance of the porous structure of a soft particle on its electrophoretic behavior. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 93, 154-60	6	11
171	Gel electrophoresis of a charge-regulated, bi-functional particle. <i>Electrophoresis</i> , 2013 , 34, 785-91	3.6	11
170	Current Efficiency of Ion-Selective Membranes: Effects of Local Electroneutrality and Donnan Equilibrium. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 7928-7932	3.4	11
169	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, 281-91	9.3	11
168	Electrophoresis of a charge-regulated particle at an arbitrary position in a spherical cavity. <i>Colloid and Polymer Science</i> , 2004 , 283, 10-14	2.4	11
167	Electrophoresis of a spheroid along the axis of a cylindrical pore. <i>Chemical Engineering Science</i> , 2003 , 58, 5339-5347	4.4	11
166	Estimation of the Ionic Distribution in a Reverse Micelle: Effect of Ionic Size. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 14429-14433	3.4	11
165	Temperature dependence of the viscosity of nonpolymeric liquids. <i>Journal of Chemical Physics</i> , 2003 , 118, 172-178	3.9	11
164	Interactions between a Particle Covered by an Ion-Penetrable Charged Membrane and a Charged Surface: A Modified Gouy-Chapman Theory. <i>Langmuir</i> , 2002 , 18, 2789-2794	4	11
163	Effect of Ionic Sizes on Critical Coagulation Concentration: Particles Covered by a Charge-Regulated Membrane. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 4269-4275	3.4	11
162	Electrokinetic flow in a planar slit covered by an ion-penetrable charged membrane. <i>Electrophoresis</i> , 2000 , 21, 3541-51	3.6	11
161	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	9.3	10
160	Electrophoresis of pH-regulated particles in the presence of multiple ionic species. <i>AIChE Journal</i> , 2014 , 60, 451-458	3.6	10
159	Electrophoresis of pH-regulated, zwitterionic particles: effect of self-induced nonuniform surface charge. <i>Journal of Colloid and Interface Science</i> , 2014 , 421, 154-9	9.3	10
158	Electrokinetic flow in a pH-regulated, cylindrical nanochannel containing multiple ionic species. <i>Microfluidics and Nanofluidics</i> , 2013 , 15, 847-857	2.8	10
157	Importance of boundary on the electrophoresis of a soft cylindrical particle. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 12626-32	3.4	10
156	3D simulations of hydrodynamic drag on a nonhomogeneously structured permeable sphere and advective flow thereof. <i>Journal of Colloid and Interface Science</i> , 2009 , 336, 850-6	9.3	10

155	Transport of Ions through Cylindrical Ion-Selective Membranes. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 12503-12508		10
154	Electrostatic Interactions between Two Identical Thin Disks of Arbitrary Orientation in an Electrolyte Solution. <i>Langmuir</i> , 1997 , 13, 1810-1819	4	10
153	Moving of a nonhomogeneous, porous floc normal to a rigid plate. <i>Journal of Colloid and Interface Science</i> , 2004 , 275, 309-16	9.3	10
152	Electrophoretic behavior of cerebellar granule neurons. <i>Electrophoresis</i> , 2002 , 23, 2001-6	3.6	10
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	6	10
150	Dissolution of solid particles in liquids. <i>Journal of Colloid and Interface Science</i> , 1991 , 141, 60-66	9.3	10
149	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	3.6	9
148	Analytical expressions for the electroosmotic flow in a charge-regulated circular channel. <i>Electrochemistry Communications</i> , 2015 , 54, 1-5	5.1	9
147	Ultrashort nanopores of large radius can generate anomalously high salinity gradient power. <i>Electrochimica Acta</i> , 2020 , 353, 136613	6.7	9
146	Electrophoresis of a particle at an arbitrary surface potential and double layer thickness: importance of nonuniformly charged conditions. <i>Langmuir</i> , 2012 , 28, 2997-3004	4	9
145	Diffusiophoresis of a soft spherical particle along the axis of a cylindrical microchannel. <i>Chemical Engineering Science</i> , 2011 , 66, 2199-2210	4.4	9
144	Electrophoresis of a soft toroid coaxially along the axis of a cylindrical pore. <i>Chemical Engineering Science</i> , 2009 , 64, 5247-5254	4.4	9
143	Diffusiophoresis of a nonuniformly charged sphere in an electrolyte solution. <i>Journal of Chemical Physics</i> , 2011 , 134, 064708	3.9	9
142	Electrophoresis of an ellipsoid along the axis of a cylindrical pore: effect of a charged boundary. <i>Langmuir</i> , 2008 , 24, 2929-37	4	9
141	Theoretical analysis on diffusional release from ellipsoidal drug delivery devices. <i>Chemical Engineering Science</i> , 2006 , 61, 1748-1752	4.4	9
140	Approximate analytical expressions for the electrical potential between two planar, cylindrical, and spherical surfaces. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 25007-12	3.4	9
139	Electrophoresis of biological cells: charge-regulation and multivalent counterions association model. <i>Electrophoresis</i> , 2003 , 24, 1338-46	3.6	9
138	Drag of a dispersion of nonhomogeneously structured flocs in a flow field. <i>Journal of Colloid and Interface Science</i> , 2005 , 284, 332-8	9.3	9

137	Drag on two coaxial, nonuniformly structured flocs in a uniform flow field. <i>Journal of Colloid and Interface Science</i> , 2005 , 292, 290-8	9.3	9
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