

Jyh-Ping Hsu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Nanofiltration through pH-regulated bipolar cylindrical nanopores for solution containing symmetric, asymmetric, and mixed salts. <i>Journal of Membrane Science</i> , 2022 , 641, 119869	9.6	0
297	Space charge modulation and ion current rectification of a cylindrical nanopore functionalized with polyelectrolyte brushes subject to an applied pH-gradient. <i>Journal of Colloid and Interface Science</i> , 2022 , 605, 571-581	9.3	1
296	Pressure-driven power generation and ion separation using a non-uniformly charged nanopore. <i>Journal of Colloid and Interface Science</i> , 2022 , 607, 1120-1130	9.3	0
295	Controllable interface engineering of g-C ₃ N ₄ /CuS nanocomposite photocatalysts. <i>Journal of Alloys and Compounds</i> , 2022 , 911, 165020	5.7	2
294	Improving the performance of salinity gradient power generation by a negative pressure difference. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022 , 134, 104351	5.3	0
293	Theoretical Modeling of Nanopore-Based Detection of Trace Concentrations of Cesium Ions in an Aqueous Environment. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 24211-24220	3.8	2
292	Improving the osmotic energy conversion efficiency of multiple nanopores by a cross flow. <i>Journal of Membrane Science</i> , 2021 , 644, 120075	9.6	0
291	Amorphous mesoporous matrix from metal-organic framework UiO-66 template with strong nucleophile substitution. <i>Chemosphere</i> , 2021 , 268, 129155	8.4	0
290	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	9.3	5
289	Electrokinetic behavior of a pH-regulated dielectric cylindrical nanopore. <i>Journal of Colloid and Interface Science</i> , 2021 , 588, 94-100	9.3	3
288	Nanopore-based desalination subject to simultaneously applied pressure gradient and gating potential. <i>Journal of Colloid and Interface Science</i> , 2021 , 594, 737-744	9.3	1
287	Origin of Ultrahigh Rectification in Polyelectrolyte Bilayers Modified Conical Nanopores. <i>Journal of Physical Chemistry Letters</i> , 2021 , 11858-11864	6.4	1
286	Ultrashort nanopores of large radius can generate anomalously high salinity gradient power. <i>Electrochimica Acta</i> , 2020 , 353, 136613	6.7	9
285	Pressure-driven ion separation through a pH-regulated cylindrical nanopore. <i>Journal of Membrane Science</i> , 2020 , 604, 118073	9.6	6
284	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	5.3	8
283	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
282	Ion current rectification behavior of a nanochannel having nonuniform cross-section. <i>Electrophoresis</i> , 2020 , 41, 802-810	3.6	6

281	Development of a mathematical model of viscosity for prediction of emulsion of Water/Wax crude oil. <i>Petroleum Science and Technology</i> , 2020 , 38, 478-485	1.4	
280	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
279	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	9.3	8
278	Estimating the thermodynamic equilibrium constants of metal oxide particles through a general electrophoresis model. <i>Journal of Colloid and Interface Science</i> , 2020 , 574, 293-299	9.3	
277	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
276	Protection against Neurodegeneration in the Hippocampus Using Sialic Acid- and 5-HT-Moduline-Conjugated Lipopolymer Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 1311-1320	5.5	5
275	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
274	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
273	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
272	An ultrathin ionomer interphase for high efficiency lithium anode in carbonate based electrolyte. <i>Nature Communications</i> , 2019 , 10, 5824	17.4	37
271	Ion transport in a pH-regulated conical nanopore filled with a power-law fluid. <i>Journal of Colloid and Interface Science</i> , 2019 , 537, 358-365	9.3	7
270	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
269	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
268	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
267	Power generation from a pH-regulated nanochannel through reverse electrodialysis: Effects of nanochannel shape and non-uniform H ⁺ distribution. <i>Electrochimica Acta</i> , 2019 , 294, 84-92	6.7	30
266	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
265	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
264	Influence of salt valence on the rectification behavior of nanochannels. <i>Journal of Colloid and Interface Science</i> , 2018 , 531, 483-492	9.3	17

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	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
261	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
260	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
259	Separation of charge-regulated polyelectrolytes by pH-assisted diffusiophoresis. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 9059-9063	3.6	2
258	Ion Current Rectification Behavior of Bioinspired Nanopores Having a pH-Tunable Zwitterionic Surface. <i>Analytical Chemistry</i> , 2017 , 89, 3952-3958	7.8	46
257	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
256	Sedimentation of a pH-Regulated Nanoparticle in a Generalized Gravitational Field. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 24272-24281	3.8	1
255	Power generation by a pH-regulated conical nanopore through reverse electrodialysis. <i>Journal of Power Sources</i> , 2017 , 366, 169-177	8.9	53
254	Diffusiophoresis of a pH-regulated polyelectrolyte in a pH-regulated nanochannel. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 1132-1139	8.5	6
253	Diffusiophoresis of a pH-regulated toroidal polyelectrolyte in a solution containing multiple ionic species. <i>Journal of Colloid and Interface Science</i> , 2017 , 486, 351-358	9.3	
252	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
251	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
250	Electrophoretic Behavior of pH-Regulated Soft Biocolloids 2016 , 946-960		2
249	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
248	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
247	Diffusiophoresis of a charged toroidal polyelectrolyte. <i>Journal of Colloid and Interface Science</i> , 2016 , 471, 14-19	9.3	2
246	Salinity gradient power: influences of temperature and nanopore size. <i>Nanoscale</i> , 2016 , 8, 2350-7	7.7	63

245	Diffusiophoresis of a charged, rigid sphere in a Carreau fluid. <i>Journal of Colloid and Interface Science</i> , 2016 , 465, 54-7	9.3	7
244	Modeling the release of a reagent from an inwardly tapered disk with a central hole. <i>Journal of Engineering Mathematics</i> , 2016 , 98, 1-9	1.2	
243	Structure and Regulation of the BloodBrain Barrier 2016 , 244-254		
242	Salinity gradient power: Optimization of nanopore size. <i>Electrochimica Acta</i> , 2016 , 219, 790-797	6.7	27
241	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
240	Electrophoresis of two spheres: Influence of double layer and van der Waals interactions. <i>Journal of Colloid and Interface Science</i> , 2015 , 451, 170-6	9.3	1
239	Analytical expressions for the electroosmotic flow in a charge-regulated circular channel. <i>Electrochemistry Communications</i> , 2015 , 54, 1-5	5.1	9
238	Diffusiophoresis of a pH-regulated polyelectrolyte in a nanopore of nonuniform cross section. <i>Microfluidics and Nanofluidics</i> , 2015 , 19, 647-652	2.8	2
237	Diffusiophoresis of polyelectrolytes: Effects of temperature, pH, type of ionic species and bulk concentration. <i>Journal of Colloid and Interface Science</i> , 2015 , 459, 167-174	9.3	5
236	Unsteady dissolution of particle of various shapes in a stagnant liquid. <i>Chemical Engineering Science</i> , 2015 , 123, 573-578	4.4	5
235	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
234	Effect of eccentricity on the electroosmotic flow in an elliptic channel. <i>Journal of Colloid and Interface Science</i> , 2015 , 460, 81-6	9.3	3
233	Regulating Current Rectification and Nanoparticle Transport Through a Salt Gradient in Bipolar Nanopores. <i>Small</i> , 2015 , 11, 4594-602	11	51
232	Influence of double-layer polarization and chemiosmosis on the diffusiophoresis of a non-spherical polyelectrolyte. <i>Journal of Colloid and Interface Science</i> , 2015 , 446, 272-81	9.3	5
231	Electrophoresis of pH-regulated particles in the presence of multiple ionic species. <i>AIChE Journal</i> , 2014 , 60, 451-458	3.6	10
230	Theoretical study of temperature influence on the electrophoresis of a pH-regulated polyelectrolyte. <i>Analytica Chimica Acta</i> , 2014 , 847, 80-9	6.6	16
229	Diffusiophoresis of a pH-regulated, zwitterionic polyelectrolyte in a solution containing multiple ionic species. <i>Chemical Engineering Science</i> , 2014 , 118, 164-172	4.4	4
228	Ionic current in a pH-regulated nanochannel filled with multiple ionic species. <i>Microfluidics and Nanofluidics</i> , 2014 , 17, 933-941	2.8	11

227	Simulation of polyelectrolyte electrophoresis: effects of the aspect ratio, double-layer polarization, effective charge, and electroosmotic flow. <i>Langmuir</i> , 2014 , 30, 8177-85	4	6
226	Electrodifusioosmosis in a Solid-State Nanopore Connecting Two Large Reservoirs: Optimum Pore Size. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 19498-19504	3.8	8
225	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
224	Influence of polyelectrolyte shape on its sedimentation behavior: effect of relaxation electric field. <i>Soft Matter</i> , 2014 , 10, 8864-74	3.6	3
223	Influence of temperature on the electroosmotic flow in a pH-regulated, zwitterionic cylindrical pore filled with multiple monovalent ions. <i>Electrochemistry Communications</i> , 2014 , 48, 169-172	5.1	5
222	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
221	Incompatible reaction evaluation and accident investigation of various acids in chemical industries. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 114, 1225-1229	4.1	
220	Electrophoresis of a charge-regulated zwitterionic particle: influence of temperature and bulk salt concentration. <i>Langmuir</i> , 2013 , 29, 2427-33	4	5
219	Diffusiophoresis of a Charged Sphere in a Necked Nanopore. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 19226-19233	3.8	7
218	Electrokinetic flow in a pH-regulated, cylindrical nanochannel containing multiple ionic species. <i>Microfluidics and Nanofluidics</i> , 2013 , 15, 847-857	2.8	10
217	Electrophoresis of a soft sphere in a necked cylindrical nanopore. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 11758-65	3.6	13
216	Importance of temperature on the diffusiophoretic behavior of a charge-regulated zwitterionic particle. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 7512-9	3.6	5
215	Influence of temperature on the gel electrophoresis of a pH-regulated, zwitterionic sphere. <i>Soft Matter</i> , 2013 , 9, 11534	3.6	3
214	Electrokinetic behavior of a pH-regulated, zwitterionic nanocylinder in a cylindrical nanopore filled with multiple ionic species. <i>Journal of Colloid and Interface Science</i> , 2013 , 411, 162-8	9.3	
213	Electrophoresis of deformable polyelectrolytes in a nanofluidic channel. <i>Langmuir</i> , 2013 , 29, 2446-54	4	11
212	Diffusiophoresis of Polyelectrolytes in Nanodevices: Importance of Boundary. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 9469-9476	3.8	7
211	Electrophoresis of a pH-regulated zwitterionic nanoparticle in a pH-regulated zwitterionic capillary. <i>Langmuir</i> , 2013 , 29, 7162-9	4	5
210	Electrophoresis of a charge-regulated soft sphere: importance of effective membrane charge. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 102, 864-70	6	5

209	Capillary osmosis in a charged nanopore connecting two large reservoirs. <i>Langmuir</i> , 2013 , 29, 9598-603	4	17
208	Gel electrophoresis of a charge-regulated, bi-functional particle. <i>Electrophoresis</i> , 2013 , 34, 785-91	3.6	11
207	Counterion condensation in pH-regulated polyelectrolytes. <i>Electrochemistry Communications</i> , 2012 , 19, 97-100	5.1	32
206	Electrokinetics of pH-regulated zwitterionic polyelectrolyte nanoparticles. <i>Nanoscale</i> , 2012 , 4, 7575-84	7.7	34
205	Gel electrophoresis: Importance of concentration-dependent permittivity and double-layer polarization. <i>Chemical Engineering Science</i> , 2012 , 84, 574-579	4.4	13
204	Regulating DNA translocation through functionalized soft nanopores. <i>Nanoscale</i> , 2012 , 4, 2685-93	7.7	68
203	Influence of the shape of a polyelectrolyte on its electrophoretic behavior. <i>Soft Matter</i> , 2012 , 8, 9469	3.6	19
202	Electrokinetic ion and fluid transport in nanopores functionalized by polyelectrolyte brushes. <i>Nanoscale</i> , 2012 , 4, 5169-77	7.7	61
201	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
200	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
199	Importance of Multiple Ionic Species on the Diffusiophoresis of a Rigid, Charged-Regulated, Zwitterionic Sphere. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 15126-15133	3.8	6
198	Importance of Boundary Effect on the Diffusiophoretic Behavior of a Charged Particle in an Electrolyte Medium. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4455-4464	3.8	4
197	Importance of temperature effect on the electrophoretic behavior of charge-regulated particles. <i>Langmuir</i> , 2012 , 28, 1013-9	4	31
196	Controlling pH-regulated bionanoparticles translocation through nanopores with polyelectrolyte brushes. <i>Analytical Chemistry</i> , 2012 , 84, 9615-22	7.8	40
195	Importance of electroosmotic flow and multiple ionic species on the electrophoresis of a rigid sphere in a charge-regulated zwitterionic cylindrical pore. <i>Langmuir</i> , 2012 , 28, 10942-7	4	7
194	Electrophoresis of a soft toroid of nonuniform structure. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 98, 36-42	6	1
193	Ion Concentration Polarization in Polyelectrolyte-Modified Nanopores. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 8672-8677	3.8	97
192	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

191	DNA Electrokinetic Translocation through a Nanopore: Local Permittivity Environment Effect. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4793-4801	3.8	42
190	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
189	Diffusiophoresis of a polyelectrolyte in a salt concentration gradient. <i>Electrophoresis</i> , 2012 , 33, 1068-78	3.6	16
188	Analytical expressions for pH-regulated electroosmotic flow in microchannels. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 93, 260-2	6	6
187	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
186	Electrophoresis of Soft Particles in a Confined Space 2012 , 61-94		
185	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
184	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
183	Preparation of mineral source water from deep sea water: Reduction of sulfate ion using selemion ASV membrane. <i>AIChE Journal</i> , 2011 , 57, 1033-1042	3.6	5
182	Influence of membrane layer properties on the electrophoretic behavior of a soft particle. <i>Electrophoresis</i> , 2011 , 32, 3053-61	3.6	7
181	Effects of double-layer polarization and counterion condensation on the electrophoresis of polyelectrolytes. <i>Soft Matter</i> , 2011 , 7, 396-411	3.6	62
180	Diffusiophoresis of a Nonuniformly Charged Sphere in a Narrow Cylindrical Pore. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 12592-12603	3.8	2
179	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
178	Electrophoresis of an arbitrarily oriented toroid in an unbounded electrolyte solution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 82, 505-12	6	6
177	Electrical potentials of two identical particles with fixed surface charge density in a salt-free medium. <i>Journal of Colloid and Interface Science</i> , 2011 , 356, 550-6	9.3	4
176	Diffusiophoresis of a nonuniformly charged sphere in an electrolyte solution. <i>Journal of Chemical Physics</i> , 2011 , 134, 064708	3.9	9
175	Model for Sludge Cake Drying Accounting for Developing Cracks. <i>Drying Technology</i> , 2010 , 28, 922-926	2.6	21
174	Unified Analysis of Dewatering and Drying of Sludge Cake. <i>Drying Technology</i> , 2010 , 28, 877-880	2.6	12

173	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
172	Diffusiophoresis of a soft sphere normal to two parallel disks. <i>Langmuir</i> , 2010 , 26, 16037-47	4	14
171	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
170	Diffusiophoresis of a charge-regulated sphere along the axis of an uncharged cylindrical pore. <i>Langmuir</i> , 2010 , 26, 8648-58	4	16
169	Diffusiophoresis of a charge-regulated spherical particle normal to two parallel disks. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 2766-78	3.4	18
168	Diffusiophoresis of an ellipsoid along the axis of a cylindrical pore. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 8043-55	3.4	4
167	Effect of multiple ionic species on the electrophoretic behavior of a charge-regulated particle. <i>Langmuir</i> , 2010 , 26, 16857-64	4	32
166	Diffusiophoresis of a sphere along the axis of a cylindrical pore. <i>Journal of Colloid and Interface Science</i> , 2010 , 342, 598-606	9.3	17
165	Electrical potentials of two identical planar, cylindrical, and spherical colloidal particles in a salt-free medium. <i>Journal of Colloid and Interface Science</i> , 2010 , 348, 402-7	9.3	3
164	Sedimentation adsorption of a charge-regulated colloidal particle onto a large charged disk. <i>Journal of Chemical Physics</i> , 2009 , 130, 194901	3.9	2
163	Electrophoretic behaviors of human hepatoma HepG2 cells. <i>Electrophoresis</i> , 2009 , 30, 1531-7	3.6	2
162	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	2.8	16
161	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
160	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
159	Boundary effect on electrophoresis in a Carreau fluid: simulated biocolloids at an arbitrary position in a charged spherical cavity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009 , 69, 8-14	6	5
158	Diffusiophoresis of a soft spherical particle in a spherical cavity. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 8646-56	3.4	31
157	Stability of soft colloidal particles in a salt-free medium. <i>Langmuir</i> , 2009 , 25, 9045-50	4	5
156	Boundary effect on diffusiophoresis: spherical particle in a spherical cavity. <i>Langmuir</i> , 2009 , 25, 1772-84	4	35

155	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
154	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
153	Effects of double-layer polarization and electroosmotic flow on the electrophoresis of an ellipsoid in a spherical cavity. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 11270-7	3.4	2
152	The stability of a salt-free colloidal dispersion. <i>Journal of Chemical Physics</i> , 2008 , 128, 104509	3.9	2
151	Translation of two coaxial, nonhomogeneously structured floccs normal to a plate. <i>Colloid and Polymer Science</i> , 2008 , 286, 1593-1604	2.4	
150	Electrophoresis of a charge-regulated toroid normal to a large disk. <i>Electrophoresis</i> , 2008 , 29, 348-57	3.6	8
149	Modeling the melt transesterification of polycarbonate. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 694-704	2.9	4
148	Effects of double-layer polarization and electroosmotic flow on the electrophoresis of a finite cylinder along the axis of a cylindrical pore. <i>Chemical Engineering Science</i> , 2008 , 63, 4561-4569	4.4	7
147	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
146	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
145	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
144	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
143	Approximate analytical expressions for the electrical potential in a cavity containing salt-free medium. <i>Langmuir</i> , 2007 , 23, 10448-54	4	5
142	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
141	Evaluation of the electric force in electrophoresis. <i>Journal of Colloid and Interface Science</i> , 2007 , 305, 324-9	9.3	74
140	Dynamic electrophoresis of droplet dispersions at low surface potentials. <i>Journal of Colloid and Interface Science</i> , 2007 , 306, 421-7	9.3	5
139	Residence time distribution for electrokinetic flow through a microchannel comprising a bundle of cylinders. <i>Journal of Colloid and Interface Science</i> , 2007 , 307, 265-71	9.3	3
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