

# Huan Jang Keh

## List of Publications by Citations

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190  
papers

2,985  
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29  
h-index

41  
g-index

194  
ext. papers

3,246  
ext. citations

4.7  
avg, IF

5.63  
L-index

#	Paper	IF	Citations
190	Transient Electrokinetic Flow in Fine Capillaries. <i>Journal of Colloid and Interface Science</i> , <b>2001</b> , 242, 450-459	9.3	98
189	Electrophoresis of a colloidal sphere parallel to a dielectric plane. <i>Journal of Fluid Mechanics</i> , <b>1988</b> , 194, 377	3.7	92
188	Electrophoresis of a colloidal sphere in a circular cylindrical pore. <i>AIChE Journal</i> , <b>1996</b> , 42, 1397-1406	3.6	75
187	Diffusiophoresis and electrophoresis of colloidal cylinders. <i>Langmuir</i> , <b>1993</b> , 9, 1142-1149	4	67
186	The Electrophoretic Mobility and Electric Conductivity of a Concentrated Suspension of Colloidal Spheres with Arbitrary Double-Layer Thickness. <i>Journal of Colloid and Interface Science</i> , <b>2001</b> , 236, 180-193	9.3	61
185	Electrokinetic Flow in a Circular Capillary with a Surface Charge Layer. <i>Journal of Colloid and Interface Science</i> , <b>1995</b> , 172, 222-229	9.3	61
184	Diffusiophoretic Mobility of Spherical Particles at Low Potential and Arbitrary Double-Layer Thickness. <i>Langmuir</i> , <b>2000</b> , 16, 5289-5294	4	58
183	Boundary Effects on Diffusiophoresis and Electrophoresis: Motion of a Colloidal Sphere Normal to a Plane Wall. <i>Journal of Colloid and Interface Science</i> , <b>1996</b> , 183, 458-75	9.3	51
182	Electrophoresis of a colloidal sphere along the axis of a circular orifice or a circular disk. <i>Journal of Fluid Mechanics</i> , <b>1991</b> , 224, 305-333	3.7	51
181	Diffusioosmosis of electrolyte solutions along a charged plane wall. <i>Langmuir</i> , <b>2005</b> , 21, 5461-7	4	46
180	Electrophoresis in a dilute dispersion of colloidal spheres. <i>AIChE Journal</i> , <b>1988</b> , 34, 1075-1085	3.6	46
179	Boundary effects on electrophoresis of colloidal cylinders. <i>Journal of Fluid Mechanics</i> , <b>1991</b> , 231, 211-228	3.7	41
178	Diffusiophoresis of charged particles and diffusioosmosis of electrolyte solutions. <i>Current Opinion in Colloid and Interface Science</i> , <b>2016</b> , 24, 13-22	7.6	39
177	Axisymmetric Motion of Two Spherical Particles with Slip Surfaces. <i>Journal of Colloid and Interface Science</i> , <b>1995</b> , 171, 63-72	9.3	37
176	Diffusioosmosis of electrolyte solutions in a fine capillary slit. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 298, 476-86	9.3	36
175	Slow motion of a droplet between two parallel plane walls. <i>Chemical Engineering Science</i> , <b>2001</b> , 56, 6863-6871	4.4	36
174	Electrokinetic flow in a capillary with a charge-regulating surface polymer layer. <i>Journal of Colloid and Interface Science</i> , <b>2003</b> , 263, 645-60	9.3	35

173	Analysis of electrokinetic transport of a spherical particle in a microchannel. <i>Electrophoresis</i> , <b>2007</b> , 28, 658-64	3.6	34
172	Diffusiophoresis and electrophoresis of a charged sphere perpendicular to two plane walls. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 322, 634-53	9.3	33
171	Diffusiophoresis in a suspension of spherical particles with arbitrary double-layer thickness. <i>Journal of Colloid and Interface Science</i> , <b>2002</b> , 248, 76-87	9.3	33
170	Electrokinetic Flow in Fine Capillaries Caused by Gradients of Electrolyte Concentration. <i>Langmuir</i> , <b>2001</b> , 17, 4216-4222	4	33
169	Particle interactions in electrophoresis: I. Motion of two spheres along their line of centers. <i>Journal of Colloid and Interface Science</i> , <b>1989</b> , 130, 542-555	9.3	33
168	Diffusiophoresis and electrophoresis of a charged sphere parallel to one or two plane walls. <i>Journal of Colloid and Interface Science</i> , <b>2005</b> , 286, 774-91	9.3	32
167	Diffusiophoresis and Electrophoresis of Colloidal Spheroids. <i>Journal of Colloid and Interface Science</i> , <b>1993</b> , 160, 354-371	9.3	32
166	Boundary effects on the creeping-flow and thermophoretic motions of an aerosol particle in a spherical cavity. <i>Chemical Engineering Science</i> , <b>1998</b> , 53, 2365-2377	4.4	31
165	Diffusioosmosis of electrolyte solutions in fine capillaries. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2004</b> , 233, 87-95	5.1	31
164	Thermophoresis and photophoresis of cylindrical particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2001</b> , 176, 213-223	5.1	31
163	Slow motion of a slip spherical particle perpendicular to two plane walls. <i>Journal of Fluids and Structures</i> , <b>2006</b> , 22, 647-661	3.1	29
162	Particle interactions in thermophoresis. <i>Chemical Engineering Science</i> , <b>1995</b> , 50, 3395-3407	4.4	29
161	Axisymmetric electrophoresis of multiple colloidal spheres. <i>Journal of Fluid Mechanics</i> , <b>1992</b> , 238, 251-276	3.7	29
160	Particle interactions in electrophoresis: II. Motion of two spheres normal to their line of centers. <i>Journal of Colloid and Interface Science</i> , <b>1989</b> , 130, 556-567	9.3	29
159	Axisymmetric creeping motion of a slip spherical particle in a nonconcentric spherical cavity. <i>Theoretical and Computational Fluid Dynamics</i> , <b>2010</b> , 24, 497-510	2.3	28
158	Diffusiophoretic mobility of charged porous spheres in electrolyte gradients. <i>Journal of Colloid and Interface Science</i> , <b>2004</b> , 269, 240-50	9.3	28
157	Diffusiophoresis of a spherical soft particle in electrolyte gradients. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 7575-89	3.4	27
156	Diffusiophoresis in a suspension of charge-regulating colloidal spheres. <i>Langmuir</i> , <b>2007</b> , 23, 1061-72	4	27

155	Particle interactions in electrophoresis. <i>Journal of Colloid and Interface Science</i> , <b>1991</b> , 145, 362-389	9.3	27
154	Diffusioosmosis of electrolyte solutions in a fine capillary tube. <i>Langmuir</i> , <b>2007</b> , 23, 2879-86	4	26
153	Diffusiophoresis and Electrophoresis in Concentrated Suspensions of Charged Colloidal Spheres. <i>Langmuir</i> , <b>2001</b> , 17, 1437-1447	4	26
152	Electric Conductivity of a Dilute Suspension of Charged Composite Spheres. <i>Langmuir</i> , <b>1998</b> , 14, 1560-1574	4	26
151	Droplet interactions in axisymmetric thermocapillary motion. <i>Journal of Colloid and Interface Science</i> , <b>1992</b> , 151, 1-16	9.3	26
150	Sedimentation Velocity and Potential in a Dilute Suspension of Charged Composite Spheres. <i>Journal of Colloid and Interface Science</i> , <b>1997</b> , 195, 169-91	9.3	25
149	Diffusioosmosis of electrolyte solutions in a capillary slit with adsorbed polyelectrolyte layers. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 313, 686-96	9.3	25
148	Diffusioosmosis and electroosmosis in a capillary slit with surface charge layers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2003</b> , 212, 27-42	5.1	25
147	Diffusioosmosis of electrolyte solutions in fibrous porous media. <i>Microfluidics and Nanofluidics</i> , <b>2008</b> , 5, 347-356	2.8	24
146	Electrophoresis of a charged soft particle in a charged cavity with arbitrary double-layer thickness. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 9757-67	3.4	23
145	Sedimentation Velocity and Potential in Concentrated Suspensions of Charged Spheres with Arbitrary Double-Layer Thickness. <i>Journal of Colloid and Interface Science</i> , <b>2000</b> , 227, 540-552	9.3	23
144	Particle Interactions in Diffusiophoresis and Electrophoresis of Colloidal Spheres with Thin but Polarized Double Layers. <i>Journal of Colloid and Interface Science</i> , <b>2000</b> , 231, 265-282	9.3	23
143	Axisymmetric thermophoretic motion of two spheres. <i>Journal of Aerosol Science</i> , <b>1995</b> , 26, 429-444	4.3	23
142	Particle interactions in electrophoresis: III. Axisymmetric motion of multiple spheres. <i>Journal of Colloid and Interface Science</i> , <b>1990</b> , 139, 105-116	9.3	23
141	Sedimentation velocity and potential in concentrated suspensions of charged porous spheres. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 296, 710-20	9.3	21
140	Electrophoresis of a colloidal sphere in a spherical cavity with arbitrary zeta potential distributions and arbitrary double-layer thickness. <i>Langmuir</i> , <b>2008</b> , 24, 390-8	4	20
139	Theory of electrokinetic phenomena in fibrous porous media caused by gradients of electrolyte concentration. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2003</b> , 222, 301-310	5.1	20
138	Thermophoresis of Aerosol Spheroids. <i>Aerosol Science and Technology</i> , <b>2004</b> , 38, 675-684	3.4	20

137	Osmosis through a Fibrous Medium Caused by Transverse Electrolyte Concentration Gradients. <i>Langmuir</i> , <b>2002</b> , 18, 10475-10485	4	20
136	Droplet interactions in thermocapillary migration. <i>Chemical Engineering Science</i> , <b>1993</b> , 48, 3565-3582	4.4	20
135	Effects of thermal stress slip on thermophoresis and photophoresis. <i>Journal of Aerosol Science</i> , <b>2012</b> , 50, 1-10	4.3	19
134	Diffusioosmosis of Electrolyte Solutions around a Circular Cylinder at Arbitrary Zeta Potential and Double-Layer Thickness. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 2443-2450	3.9	19
133	Slow motion of axisymmetric slip particles along their axes of revolution. <i>International Journal of Engineering Science</i> , <b>2004</b> , 42, 1621-1644	5.7	19
132	Creeping motions of a composite sphere in a concentric spherical cavity. <i>Chemical Engineering Science</i> , <b>2004</b> , 59, 407-415	4.4	19
131	Diffusioosmosis and electroosmosis of electrolyte solutions in fibrous porous media. <i>Journal of Colloid and Interface Science</i> , <b>2002</b> , 252, 354-64	9.3	19
130	Effects of inertia on the slow motion of aerosol particles. <i>Chemical Engineering Science</i> , <b>2000</b> , 55, 4415-4421	4.4	19
129	Slow motion of a spherical particle in a spherical cavity with slip surfaces. <i>International Journal of Engineering Science</i> , <b>2013</b> , 69, 1-15	5.7	18
128	Electric Conductivity and Electrophoretic Mobility in Suspensions of Charged Porous Spheres. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 22044-22054	3.8	18
127	Diffusioosmotic flow of electrolyte solutions in fibrous porous media at arbitrary zeta potential and double-layer thickness. <i>Microfluidics and Nanofluidics</i> , <b>2009</b> , 7, 773-781	2.8	17
126	Low-Reynolds-number hydrodynamic interactions in a suspension of spherical particles with slip surfaces. <i>Chemical Engineering Science</i> , <b>1997</b> , 52, 1789-1805	4.4	17
125	Electrophoresis of a colloidal sphere in a spherical cavity with arbitrary zeta potential distributions. <i>Langmuir</i> , <b>2007</b> , 23, 7928-35	4	17
124	Diffusiophoresis of a colloidal sphere in nonelectrolyte gradients perpendicular to two plane walls. <i>Chemical Engineering Science</i> , <b>2008</b> , 63, 1612-1625	4.4	17
123	Slipping Stokes flow around a slightly deformed sphere. <i>Physics of Fluids</i> , <b>2006</b> , 18, 088104	4.4	17
122	Electrophoretic Mobility and Electric Conductivity of Suspensions of Charge-Regulating Colloidal Spheres. <i>Langmuir</i> , <b>2002</b> , 18, 4572-4583	4	16
121	Particle Interactions in Electrophoresis. <i>Journal of Colloid and Interface Science</i> , <b>1993</b> , 158, 199-222	9.3	16
120	Boundary effects on electrophoresis of a colloidal cylinder with a nonuniform zeta potential distribution. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 315, 343-54	9.3	15

119	Electrophoretic Mobility and Electric Conductivity in Dilute Suspensions of Charge-Regulating Composite Spheres. <i>Langmuir</i> , <b>2003</b> , 19, 7226-7239	4	15
118	Low-Knudsen-number photophoresis of aerosol spheroids. <i>Journal of Colloid and Interface Science</i> , <b>2005</b> , 282, 69-79	9.3	15
117	Slow motion of multiple droplets in arbitrary three-dimensional configurations. <i>AIChE Journal</i> , <b>1992</b> , 38, 1881-1904	3.6	15
116	Migration of Aerosol Spheres under the Combined Action of Thermophoretic and Gravitational Effects. <i>Aerosol Science and Technology</i> , <b>1995</b> , 22, 250-260	3.4	14
115	Thermophoresis of an arbitrary three-dimensional array of N interacting arbitrary spheres. <i>Journal of Aerosol Science</i> , <b>1996</b> , 27, 1035-1061	4.3	14
114	The Electric Conductivity of Dilute Suspensions of Charged Porous Spheres. <i>Journal of Colloid and Interface Science</i> , <b>1997</b> , 192, 375-85	9.3	13
113	Transient electrophoresis of dielectric spheres. <i>Journal of Colloid and Interface Science</i> , <b>2005</b> , 291, 282-91	9.3	13
112	Thermocapillary motion of a fluid droplet normal to a plane surface. <i>Journal of Colloid and Interface Science</i> , <b>1990</b> , 137, 550-562	9.3	13
111	Electrophoresis and electric conduction in a suspension of charged soft particles. <i>Colloid and Polymer Science</i> , <b>2016</b> , 294, 1129-1141	2.4	12
110	Slow motion of a slip spheroid along its axis of revolution. <i>International Journal of Multiphase Flow</i> , <b>2008</b> , 34, 713-722	3.6	12
109	Thermocapillary motion of a fluid droplet parallel to two plane walls. <i>International Journal of Multiphase Flow</i> , <b>2002</b> , 28, 1149-1175	3.6	12
108	Particle interactions in diffusiophoresis in nonelectrolyte gradients. <i>Physics of Fluids</i> , <b>1995</b> , 7, 2122-2131	4.4	12
107	Thermophoresis at small but finite Péclet numbers. <i>Aerosol Science and Technology</i> , <b>2018</b> , 52, 1028-1036	3.4	11
106	Electrophoresis of a spherical particle in a spherical cavity. <i>Microfluidics and Nanofluidics</i> , <b>2014</b> , 16, 1107-1115	3.1	11
105	Diffusiophoresis in suspensions of charged porous particles. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 2040-50	3.4	11
104	Translation and rotation of slightly deformed colloidal spheres experiencing slip. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 330, 201-10	9.3	11
103	The effect of diffusiophoresis on water transport in polymer electrolyte fuel cells. <i>Journal of Power Sources</i> , <b>2008</b> , 180, 711-718	8.9	11
102	Diffusiophoresis of electrolyte solutions in a capillary slit with surface charge layers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2005</b> , 267, 4-15	5.1	11

101	Sedimentation Velocity and Potential in a Suspension of Charge-Regulating Colloidal Spheres. <i>Journal of Colloid and Interface Science</i> , <b>2001</b> , 243, 331-341	9.3	11
100	Osmophoresis in a dilute suspension of spherical vesicles. <i>International Journal of Multiphase Flow</i> , <b>2000</b> , 26, 125-145	3.6	11
99	Thermophoresis of a particle in a concentric cavity with thermal stress slip. <i>Aerosol Science and Technology</i> , <b>2018</b> , 52, 269-276	3.4	11
98	Electrophoretic mobility and electric conductivity in suspensions of charge-regulating porous particles. <i>Colloid and Polymer Science</i> , <b>2015</b> , 293, 1903-1914	2.4	10
97	Creeping-flow rotation of a slip spheroid about its axis of revolution. <i>Theoretical and Computational Fluid Dynamics</i> , <b>2012</b> , 26, 173-183	2.3	10
96	Thermophoresis of an aerosol spheroid along its axis of revolution. <i>Physics of Fluids</i> , <b>2009</b> , 21, 062001	4.4	10
95	Electric conductivity of a suspension of charged colloidal spheres with thin but polarized double layers. <i>Colloid and Polymer Science</i> , <b>2002</b> , 280, 922-928	2.4	10
94	Electrophoresis of a colloidal sphere with double-layer polarization in a microtube. <i>Microfluidics and Nanofluidics</i> , <b>2016</b> , 20, 1	2.8	10
93	Electrokinetic flow and electric current in a fibrous porous medium. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 3578-86	3.4	9
92	Electrophoretic motion of a colloidal cylinder near a plane wall. <i>Microfluidics and Nanofluidics</i> , <b>2011</b> , 10, 81-95	2.8	9
91	Electrokinetic motion of a charged colloidal sphere in a spherical cavity with magnetic fields. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 044125	3.9	9
90	Transient electrophoresis of spherical particles at low potential and arbitrary double-layer thickness. <i>Langmuir</i> , <b>2005</b> , 21, 11659-65	4	9
89	Thermophoresis of an aerosol sphere parallel to one or two plane walls. <i>AIChE Journal</i> , <b>2003</b> , 49, 2283-2299	3.9	9
88	Photophoresis of an aerosol sphere normal to a plane wall. <i>Journal of Colloid and Interface Science</i> , <b>2005</b> , 289, 94-103	9.3	9
87	Interactions among Bipolar Spheres in an Electrolytic Cell. <i>Journal of the Electrochemical Society</i> , <b>1994</b> , 141, 3103-3114	3.9	9
86	Start-Up of Electrokinetic Flow in a Fibrous Porous Medium. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 2826-2833	3.8	8
85	Creeping motion of a fluid drop inside a spherical cavity. <i>European Journal of Mechanics, B/Fluids</i> , <b>2012</b> , 34, 97-104	2.4	8
84	Magnetohydrodynamic effects on a charged colloidal sphere with arbitrary double-layer thickness. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 134103	3.9	8



83	Slow Motion of an Assemblage of Porous Spherical Shells Relative to a Fluid. <i>Transport in Porous Media</i> , <b>2010</b> , 81, 261-275	3.1	8
82	Thermocapillary motion of a fluid droplet perpendicular to two plane walls. <i>Chemical Engineering Science</i> , <b>2006</b> , 61, 5221-5235	4.4	8
81	Diffusiophoresis of a colloidal sphere in nonelectrolyte gradients parallel to one or two plane walls. <i>Chemical Engineering Science</i> , <b>2002</b> , 57, 2885-2899	4.4	8
80	Boundary effects on osmophoresis: motion of a spherical vesicle parallel to two plane walls. <i>Chemical Engineering Science</i> , <b>2003</b> , 58, 4449-4464	4.4	8
79	Diffusioosmosis of nonelectrolyte solutions in a fibrous medium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2003</b> , 221, 175-183	5.1	8
78	Particle Interactions in Diffusiophoresis: Axisymmetric Motion of Multiple Spheres in Nonelectrolyte Gradients. <i>Langmuir</i> , <b>1994</b> , 10, 3010-3017	4	8
77	Axisymmetric thermophoresis of an aerosol particle in a spherical cavity. <i>Journal of Aerosol Science</i> , <b>2019</b> , 135, 33-45	4.3	7
76	Transient electrophoresis of a charged porous particle. <i>Electrophoresis</i> , <b>2020</b> , 41, 259-265	3.6	7
75	Electrophoretic mobility of charged porous shells or microcapsules and electric conductivity of their dilute suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2016</b> , 497, 154-166	5.1	7
74	Start-up of electrophoresis of an arbitrarily oriented dielectric cylinder. <i>Electrophoresis</i> , <b>2014</b> , 35, 2560-53.6	5.6	7
73	Axisymmetric creeping motion of a prolate particle in a cylindrical pore. <i>European Journal of Mechanics, B/Fluids</i> , <b>2013</b> , 39, 52-58	2.4	7
72	Thermophoretic motion of slightly deformed aerosol spheres. <i>Journal of Aerosol Science</i> , <b>2010</b> , 41, 180-193	4.3	7
71	Electrophoresis of a Cylindrical Particle with a Nonuniform Zeta Potential Distribution Parallel to a Charged Plane Wall. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 12790-12798	3.8	7
70	Motion of a colloidal sphere with interfacial self-electrochemical reactions induced by a magnetic field. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 174702	3.9	7
69	Thermophoresis of an aerosol sphere perpendicular to two plane walls. <i>AIChE Journal</i> , <b>2006</b> , 52, 1690-1704	3.04	7
68	Thermophoresis of a slightly deformed aerosol sphere. <i>Physics of Fluids</i> , <b>2007</b> , 19, 033102	4.4	7
67	Diffusiophoresis of a colloidal sphere in nonelectrolyte gradients in a circular cylindrical pore. <i>Chemical Engineering Science</i> , <b>2006</b> , 61, 3550-3563	4.4	7
66	Electric conductivity in a fibrous porous medium with thin but polarized double layers. <i>Colloid and Polymer Science</i> , <b>2004</b> , 282, 985-992	2.4	7



65	Diffusiophoresis in Suspensions of Charged Soft Particles. <i>Colloids and Interfaces</i> , <b>2020</b> , 4, 30	3	7
64	Transient electroosmosis in the transverse direction of a fibrous porous medium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 481, 577-582	5.1	6
63	Sedimentation velocity and potential in a concentrated suspension of charged soft spheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2014</b> , 440, 185-196	5.1	6
62	Electroosmotic velocity and electric conductivity in a fibrous porous medium in the transverse direction. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 9168-78	3.4	6
61	Thermophoresis of an Aerosol Sphere with Chemical Reactions. <i>Aerosol Science and Technology</i> , <b>2012</b> , 46, 361-368	3.4	6
60	Effects of Adsorbed Polymers on the Axisymmetric Motion of Two Colloidal Spheres. <i>Journal of Colloid and Interface Science</i> , <b>1997</b> , 195, 353-67	9.3	6
59	Slow motions of a circular cylinder experiencing slip near a plane wall. <i>Journal of Fluids and Structures</i> , <b>2008</b> , 24, 651-663	3.1	6
58	Creeping motion of an assemblage of composite spheres relative to a fluid. <i>Colloid and Polymer Science</i> , <b>2005</b> , 283, 627-635	2.4	6
57	Boundary Effects on Diffusiophoresis of Cylindrical Particles in Nonelectrolyte Gradients. <i>Journal of Colloid and Interface Science</i> , <b>2000</b> , 221, 210-222	9.3	6
56	Axisymmetric Thermophoresis of Multiple Aerosol Spheres. <i>Aerosol Science and Technology</i> , <b>1996</b> , 24, 21-35	3.4	6
55	Electrophoresis and diffusiophoresis of a colloidal sphere with double-layer polarization in a concentric charged cavity. <i>Microfluidics and Nanofluidics</i> , <b>2017</b> , 21, 1	2.8	5
54	Diffusiophoresis of a charged particle in a microtube. <i>Electrophoresis</i> , <b>2017</b> , 38, 2468-2478	3.6	5
53	Diffusiophoresis of a colloidal cylinder in an electrolyte solution near a plane wall. <i>Microfluidics and Nanofluidics</i> , <b>2015</b> , 19, 855-865	2.8	5
52	Diffusiophoresis of a charged porous shell in electrolyte gradients. <i>Colloid and Polymer Science</i> , <b>2018</b> , 296, 451-459	2.4	5
51	Diffusiophoresis of a charged particle in a charged cavity with arbitrary electric double layer thickness. <i>Microfluidics and Nanofluidics</i> , <b>2018</b> , 22, 1	2.8	5
50	Electrophoretic motion of a charged particle in a charged cavity. <i>European Journal of Mechanics, B/Fluids</i> , <b>2014</b> , 48, 183-192	2.4	5
49	Thermophoresis of a spherical particle in a microtube. <i>Journal of Aerosol Science</i> , <b>2017</b> , 113, 71-84	4.3	5
48	Startup of electrophoresis in a suspension of colloidal spheres. <i>Electrophoresis</i> , <b>2015</b> , 36, 3002-8	3.6	5

47	Thermophoretic Motion of a Cylindrical Particle with Chemical Reactions. <i>Aerosol Science and Technology</i> , <b>2014</b> , 48, 1156-1165	3.4	5
46	Thermophoresis of axisymmetric aerosol particles along their axes of revolution. <i>AIChE Journal</i> , <b>2009</b> , 55, 35-48	3.6	5
45	Theoretical study of the creeping motion of axially and fore-and-aft symmetric slip particles in an arbitrary direction. <i>European Journal of Mechanics, B/Fluids</i> , <b>2011</b> , 30, 236-244	2.4	5
44	Sedimentation of a charged colloidal sphere in a charged cavity. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 214706	3.9	5
43	Electrophoresis of an axisymmetric particle along its axis of revolution perpendicular to two parallel plane walls. <i>Microfluidics and Nanofluidics</i> , <b>2010</b> , 9, 623-634	2.8	5
42	Hydrodynamic Interactions of Two Freely Suspended Droplets in Linear Flow Fields. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 204, 66-76	9.3	5
41	Motion of a Colloidal Sphere Covered by a Layer of Adsorbed Polymers Normal to a Plane Surface. <i>Journal of Colloid and Interface Science</i> , <b>1999</b> , 210, 296-308	9.3	5
40	Boundary effects on osmophoresis: motion of a vesicle normal to a plane wall. <i>Chemical Engineering Science</i> , <b>1993</b> , 48, 609-616	4.4	5
39	Diffusiophoretic mobility of charge-regulating porous particles. <i>Electrophoresis</i> , <b>2016</b> , 37, 2139-46	3.6	5
38	Slow rotation of a spherical particle in an eccentric spherical cavity with slip surfaces. <i>European Journal of Mechanics, B/Fluids</i> , <b>2021</b> , 86, 150-156	2.4	5
37	Sedimentation of a charged porous particle in a charged cavity. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 12319-27	3.4	4
36	Magnetohydrodynamic motion of a colloidal sphere with self-electrochemical surface reactions in a spherical cavity. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 074105	3.9	4
35	Thermophoresis of axially and fore-and-aft symmetric aerosol particles. <i>Physics of Fluids</i> , <b>2010</b> , 22, 113305	4.4	4
34	Boundary effects on thermophoresis of aerosol cylinders. <i>Journal of Aerosol Science</i> , <b>2010</b> , 41, 771-789	4.3	4
33	Boundary Effects on the Bipolar Behavior of a Spherical Particle in an Electrolytic Cell. <i>Journal of the Electrochemical Society</i> , <b>1997</b> , 144, 3536-3544	3.9	4
32	Boundary effects on osmophoresis: Motion of a spherical vesicle perpendicular to two plane walls. <i>Chemical Engineering Science</i> , <b>2006</b> , 61, 434-448	4.4	4
31	Particle Interactions in Diffusiophoresis: Axisymmetric Motion of Multiple Spheres in Electrolyte Gradients. <i>Langmuir</i> , <b>1996</b> , 12, 657-667	4	4
30	Boundary Effects on Osmophoresis: motion of a vesicle in an arbitrary direction with respect to a plane wall. <i>Chemical Engineering Science</i> , <b>1993</b> , 48, 3555-3563	4.4	4

29	Electrokinetic flow and electric conduction of salt-free solutions in a capillary. <i>Electrophoresis</i> , <b>2020</b> , 41, 1503-1508	3.6	3
28	Electrokinetic Flow of Salt-Free Solutions in a Fibrous Porous Medium. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 9724-9730	3.4	3
27	Axisymmetric thermocapillary migration of a fluid sphere in a spherical cavity. <i>International Journal of Heat and Mass Transfer</i> , <b>2013</b> , 62, 772-781	4.9	3
26	Concentration Effects on the Thermophoresis of Aerosol Spheres. <i>Journal of Colloid and Interface Science</i> , <b>1999</b> , 216, 167-178	9.3	3
25	Diffusiophoresis of colloidal spheroids in symmetric electrolytes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1994</b> , 92, 51-65	5.1	3
24	Photophoresis of an Aerosol Sphere in a Spherical Cavity. <i>Aerosol and Air Quality Research</i> , <b>2001</b> , 1, 21-30.	6	3
23	Effects of inertia on the slow rotation of a slip spherical particle. <i>European Journal of Mechanics, B/Fluids</i> , <b>2021</b> , 88, 67-71	2.4	3
22	Diffusiophoresis of a Charged Porous Particle in a Charged Cavity. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 9803-9814	3.4	3
21	Diffusiophoresis of a Colloidal Cylinder at Small Finite Péclet Numbers. <i>Colloids and Interfaces</i> , <b>2019</b> , 3, 44	3	2
20	A Study of Bipolar Spheroids in an Electrolytic Cell. <i>Journal of the Electrochemical Society</i> , <b>1997</b> , 144, 1323-1331	3.9	2
19	Motion of a Colloidal Particle Coated with a Layer of Adsorbed Polymers in a Spherical Cavity. <i>Journal of Colloid and Interface Science</i> , <b>1997</b> , 185, 411-23	9.3	2
18	Axisymmetric electrophoresis of coaxial spheroids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1993</b> , 75, 147-162	5.1	2
17	Sedimentation Velocity and Potential in Dilute Suspensions of Charge-Regulating Porous Spheres. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 3002-3009	3.4	1
16	Axisymmetric diffusiophoresis of a colloidal particle of revolution in nonelectrolyte gradients normal to one or two plane walls. <i>International Journal of Heat and Mass Transfer</i> , <b>2013</b> , 56, 138-146	4.9	1
15	Osmophoresis of a spherical vesicle in a spherical cavity. <i>European Journal of Mechanics, B/Fluids</i> , <b>2014</b> , 46, 28-36	2.4	1
14	Diffusiophoresis of interacting particles in nonelectrolyte gradients. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2009</b> , 40, 689-699	5.3	1
13	Osmophoresis of a spherical vesicle in a circular cylindrical pore. <i>AIChE Journal</i> , <b>2005</b> , 51, 2628-2639	3.6	1
12	Some solutions of a cell model for a suspension of spherical vesicles in osmophoresis. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2001</b> , 20, 177-187	6	1

11	Slow axisymmetric rotation of a sphere in a circular tube with slip surfaces. <i>Fluid Dynamics Research</i> , <b>2021</b> , 53, 065502	1.2	1
10	Thermophoretic motion of an aerosol sphere in a spherical cavity. <i>European Journal of Mechanics, B/Fluids</i> , <b>2020</b> , 81, 93-104	2.4	1
9	Sedimentation Velocity and Potential in Dilute Suspensions of Charged Porous Shells. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 10393-10400	3.4	1
8	Electrophoresis and electric conduction in a salt-free suspension of charged particles. <i>Electrophoresis</i> , <b>2021</b> , 42, 2134-2142	3.6	1
7	Transient rotation of a spherical particle in a concentric cavity with slip surfaces. <i>Fluid Dynamics Research</i> , <b>2021</b> , 53, 045509	1.2	1
6	Transient electrophoresis in a suspension of charged particles with arbitrary electric double layers. <i>Electrophoresis</i> , <b>2021</b> , 42, 2126-2133	3.6	1
5	Start-Up Electrophoresis of a Cylindrical Particle with Arbitrary Double Layer Thickness. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 9967-9973	3.4	0
4	Concentration effects on photophoresis of aerosol spheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2002</b> , 196, 153-162	5.1	
3	Electrophoretic Mobility and Electric Conductivity of Salt-Free Suspensions of Charged Soft Particles. <i>Colloids and Interfaces</i> , <b>2021</b> , 5, 45	3	
2	Thermophoresis of a cylindrical particle at small finite Péclet numbers. <i>Aerosol Science and Technology</i> , <b>2021</b> , 55, 54-62	3.4	
1	Electroosmosis and Electric Conduction of Electrolyte Solutions in Charge-Regulating Fibrous Media. <i>Colloids and Interfaces</i> , <b>2021</b> , 5, 19	3	