Huan Jang Keh

List of Publications by Year
in descending order

194 papers	3,503 citations	147786 31 h-index	243610 44 g-index
194 all docs	194 docs citations	194 times ranked	946 citing authors

#	Article	IF	Citations
1	Transient Electrokinetic Flow in Fine Capillaries. Journal of Colloid and Interface Science, 2001, 242, 450-459.	9.4	118
2	Electrophoresis of a colloidal sphere parallel to a dielectric plane. Journal of Fluid Mechanics, 1988, 194, 377.	3.4	103
3	Diffusiophoresis and electrophoresis of colloidal cylinders. Langmuir, 1993, 9, 1142-1149.	3.5	79
4	Electrophoresis of a colloidal sphere in a circular cylindrical pore. AICHE Journal, 1996, 42, 1397-1406.	3.6	78
5	Diffusiophoretic Mobility of Spherical Particles at Low Potential and Arbitrary Double-Layer Thickness. Langmuir, 2000, 16, 5289-5294.	3.5	73
6	Electrokinetic Flow in a Circular Capillary with a Surface Charge Layer. Journal of Colloid and Interface Science, 1995, 172, 222-229.	9.4	71
7	The Electrophoretic Mobility and Electric Conductivity of a Concentrated Suspension of Colloidal Spheres with Arbitrary Double-Layer Thickness. Journal of Colloid and Interface Science, 2001, 236, 180-193.	9.4	64
8	Boundary Effects on Diffusiophoresis and Electrophoresis: Motion of a Colloidal Sphere Normal to a Plane Wall. Journal of Colloid and Interface Science, 1996, 183, 458-475.	9.4	59
9	Diffusiophoresis of charged particles and diffusioosmosis of electrolyte solutions. Current Opinion in Colloid and Interface Science, 2016, 24, 13-22.	7.4	57
10	Electrophoresis of a colloidal sphere along the axis of a circular orifice or a circular disk. Journal of Fluid Mechanics, 1991, 224, 305-333.	3.4	55
11	Electrophoresis in a dilute dispersion of colloidal spheres. AICHE Journal, 1988, 34, 1075-1085.	3.6	51
12	Diffusioosmosis of Electrolyte Solutions along a Charged Plane Wall. Langmuir, 2005, 21, 5461-5467.	3.5	49
13	Boundary effects on electrophoresis of colloidal cylinders. Journal of Fluid Mechanics, 1991, 231, 211-228.	3.4	47
14	Axisymmetric Motion of Two Spherical Particles with Slip Surfaces. Journal of Colloid and Interface Science, 1995, 171, 63-72.	9.4	44
15	Slow motion of a droplet between two parallel plane walls. Chemical Engineering Science, 2001, 56, 6863-6871.	3.8	44
16	Electrokinetic flow in a capillary with a charge-regulating surface polymer layer. Journal of Colloid and Interface Science, 2003, 263, 645-660.	9.4	40
17	Diffusioosmosis of electrolyte solutions in a fine capillary slit. Journal of Colloid and Interface Science, 2006, 298, 476-486.	9.4	39
18	Diffusiophoresis and Electrophoresis of Colloidal Spheroids. Journal of Colloid and Interface Science, 1993, 160, 354-371.	9.4	38

#	Article	IF	Citations
19	Boundary effects on the creeping-flow and thermophoretic motions of an aerosol particle in a spherical cavity. Chemical Engineering Science, 1998, 53, 2365-2377.	3.8	38
20	Diffusiophoresis and electrophoresis of a charged sphere parallel to one or two plane walls. Journal of Colloid and Interface Science, 2005, 286, 774-791.	9.4	37
21	Analysis of electrokinetic transport of a spherical particle in a microchannel. Electrophoresis, 2007, 28, 658-664.	2.4	37
22	Particle interactions in electrophoresis. Journal of Colloid and Interface Science, 1989, 130, 542-555.	9.4	36
23	Electrokinetic Flow in Fine Capillaries Caused by Gradients of Electrolyte Concentration. Langmuir, 2001, 17, 4216-4222.	3.5	36
24	Diffusiophoresis in a Suspension of Spherical Particles with Arbitrary Double-Layer Thickness. Journal of Colloid and Interface Science, 2002, 248, 76-87.	9.4	36
25	Diffusiophoresis and electrophoresis of a charged sphere perpendicular to two plane walls. Journal of Colloid and Interface Science, 2008, 322, 634-653.	9.4	36
26	Axisymmetric creeping motion of a slip spherical particle in a nonconcentric spherical cavity. Theoretical and Computational Fluid Dynamics, 2010, 24, 497-510.	2.2	35
27	Diffusiophoresis of a Spherical Soft Particle in Electrolyte Gradients. Journal of Physical Chemistry B, 2012, 116, 7575-7589.	2.6	35
28	Slow motion of a slip spherical particle perpendicular to two plane walls. Journal of Fluids and Structures, 2006, 22, 647-661.	3.4	34
29	Diffusioosmosis of electrolyte solutions in fine capillaries. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 233, 87-95.	4.7	33
30	Axisymmetric electrophoresis of multiple colloidal spheres. Journal of Fluid Mechanics, 1992, 238, 251-276.	3.4	32
31	Thermophoresis and photophoresis of cylindrical particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 176, 213-223.	4.7	32
32	Particle interactions in electrophoresis. Journal of Colloid and Interface Science, 1989, 130, 556-567.	9.4	31
33	Diffusiophoresis in a Suspension of Charge-Regulating Colloidal Spheres. Langmuir, 2007, 23, 1061-1072.	3.5	31
34	Particle interactions in electrophoresis. Journal of Colloid and Interface Science, 1991, 145, 362-389.	9.4	30
35	Particle interactions in thermophoresis. Chemical Engineering Science, 1995, 50, 3395-3407.	3.8	29
36	Diffusioosmosis and electroosmosis in a capillary slit with surface charge layers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 212, 27-42.	4.7	29

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37	Particle interactions in electrophoresis. Journal of Colloid and Interface Science, 1990, 139, 105-116.	9.4	28
38	Droplet interactions in axisymmetric thermocapillary motion. Journal of Colloid and Interface Science, 1992, 151, 1-16.	9.4	28
39	Diffusiophoretic mobility of charged porous spheres in electrolyte gradients. Journal of Colloid and Interface Science, 2004, 269, 240-250.	9.4	28
40	Diffusioosmosis of electrolyte solutions in a capillary slit with adsorbed polyelectrolyte layers. Journal of Colloid and Interface Science, 2007, 313, 686-696.	9.4	28
41	Electric Conductivity of a Dilute Suspension of Charged Composite Spheres. Langmuir, 1998, 14, 1560-1574.	3.5	27
42	Diffusioosmosis of Electrolyte Solutions in a Fine Capillary Tube. Langmuir, 2007, 23, 2879-2886.	3.5	27
43	Diffusioosmosis of electrolyte solutions in fibrous porous media. Microfluidics and Nanofluidics, 2008, 5, 347-356.	2.2	27
44	Electrophoresis of a Charged Soft Particle in a Charged Cavity with Arbitrary Double-Layer Thickness. Journal of Physical Chemistry B, 2013, 117, 9757-9767.	2.6	27
45	Sedimentation Velocity and Potential in a Dilute Suspension of Charged Composite Spheres. Journal of Colloid and Interface Science, 1997, 195, 169-191.	9.4	26
46	Diffusiophoresis and Electrophoresis in Concentrated Suspensions of Charged Colloidal Spheres. Langmuir, 2001, 17, 1437-1447.	3.5	26
47	Sedimentation Velocity and Potential in Concentrated Suspensions of Charged Spheres with Arbitrary Double-Layer Thickness. Journal of Colloid and Interface Science, 2000, 227, 540-552.	9.4	25
48	Particle Interactions in Diffusiophoresis and Electrophoresis of Colloidal Spheres with Thin but Polarized Double Layers. Journal of Colloid and Interface Science, 2000, 231, 265-282.	9.4	25
49	Effects of thermal stress slip on thermophoresis and photophoresis. Journal of Aerosol Science, 2012, 50, 1-10.	3.8	25
50	Slow motion of a spherical particle in a spherical cavity with slip surfaces. International Journal of Engineering Science, 2013, 69, 1-15.	5.0	25
51	Osmosis through a Fibrous Medium Caused by Transverse Electrolyte Concentration Gradients. Langmuir, 2002, 18, 10475-10485.	3.5	24
52	Theory of electrokinetic phenomena in fibrous porous media caused by gradients of electrolyte concentration. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 222, 301-310.	4.7	24
53	Slipping Stokes flow around a slightly deformed sphere. Physics of Fluids, 2006, 18, 088104.	4.0	24
54	Electrophoresis of a Colloidal Sphere in a Spherical Cavity with Arbitrary Zeta Potential Distributions and Arbitrary Double-Layer Thickness. Langmuir, 2008, 24, 390-398.	3.5	24

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55	Axisymmetric thermophoretic motion of two spheres. Journal of Aerosol Science, 1995, 26, 429-444.	3.8	23
56	Creeping motions of a composite sphere in a concentric spherical cavity. Chemical Engineering Science, 2004, 59, 407-415.	3.8	23
57	Droplet interactions in thermocapillary migration. Chemical Engineering Science, 1993, 48, 3565-3582.	3.8	22
58	Transient electrophoresis of dielectric spheres. Journal of Colloid and Interface Science, 2005, 291, 282-291.	9.4	22
59	Diffusioosmosis of Electrolyte Solutions around a Circular Cylinder at Arbitrary Zeta Potential and Double-Layer Thickness. Industrial & Engineering Chemistry Research, 2009, 48, 2443-2450.	3.7	22
60	Slow motion of axisymmetric slip particles along their axes of revolution. International Journal of Engineering Science, 2004, 42, 1621-1644.	5.0	21
61	Thermophoresis of Aerosol Spheroids. Aerosol Science and Technology, 2004, 38, 675-684.	3.1	21
62	Sedimentation velocity and potential in concentrated suspensions of charged porous spheres. Journal of Colloid and Interface Science, 2006, 296, 710-720.	9.4	21
63	Electric Conductivity and Electrophoretic Mobility in Suspensions of Charged Porous Spheres. Journal of Physical Chemistry C, 2010, 114, 22044-22054.	3.1	21
64	Slow motion of multiple droplets in arbitrary three-dimensional configurations. AICHE Journal, 1992, 38, 1881-1904.	3.6	20
65	Low-Reynolds-number hydrodynamic interactions in a suspension of spherical particles with slip surfaces. Chemical Engineering Science, 1997, 52, 1789-1805.	3.8	20
66	Effects of inertia on the slow motion of aerosol particles. Chemical Engineering Science, 2000, 55, 4415-4421.	3.8	20
67	Diffusioosmosis and Electroosmosis of Electrolyte Solutions in Fibrous Porous Media. Journal of Colloid and Interface Science, 2002, 252, 354-364.	9.4	20
68	Diffusioosmotic flow of electrolyte solutions in fibrous porous media at arbitrary zeta potential and double-layer thickness. Microfluidics and Nanofluidics, 2009, 7, 773-781.	2.2	20
69	Migration of Aerosol Spheres under the Combined Action of Thermophoretic and Gravitational Effects. Aerosol Science and Technology, 1995, 22, 250-260.	3.1	19
70	Translation and rotation of slightly deformed colloidal spheres experiencing slip. Journal of Colloid and Interface Science, 2009, 330, 201-210.	9.4	19
71	Transient Electrophoresis of Spherical Particles at Low Potential and Arbitrary Double-Layer Thickness. Langmuir, 2005, 21, 11659-11665.	3.5	18
72	Particle Interactions in Electrophoresis. Journal of Colloid and Interface Science, 1993, 158, 199-222.	9.4	17

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73	Electrophoresis of a Colloidal Sphere in a Spherical Cavity with Arbitrary Zeta Potential Distributions. Langmuir, 2007, 23, 7928-7935.	3.5	17
74	Diffusiophoresis of a colloidal sphere in nonelectrolyte gradients perpendicular to two plane walls. Chemical Engineering Science, 2008, 63, 1612-1625.	3.8	17
75	Transient electrophoresis of a charged porous particle. Electrophoresis, 2020, 41, 259-265.	2.4	17
76	Thermocapillary motion of a fluid droplet normal to a plane surface. Journal of Colloid and Interface Science, 1990, 137, 550-562.	9.4	16
77	Electrophoretic Mobility and Electric Conductivity of Suspensions of Charge-Regulating Colloidal Spheres. Langmuir, 2002, 18, 4572-4583.	3.5	16
78	Electrophoretic Mobility and Electric Conductivity in Dilute Suspensions of Charge-Regulating Composite Spheres. Langmuir, 2003, 19, 7226-7239.	3.5	16
79	Low-Knudsen-number photophoresis of aerosol spheroids. Journal of Colloid and Interface Science, 2005, 282, 69-79.	9.4	16
80	Boundary effects on electrophoresis of a colloidal cylinder with a nonuniform zeta potential distribution. Journal of Colloid and Interface Science, 2007, 315, 343-354.	9.4	16
81	Thermophoresis of an arbitrary three-dimensional array of N interacting arbitrary spheres. Journal of Aerosol Science, 1996, 27, 1035-1061.	3.8	15
82	Thermocapillary motion of a fluid droplet parallel to two plane walls. International Journal of Multiphase Flow, 2002, 28, 1149-1175.	3.4	15
83	Slow motion of a slip spheroid along its axis of revolution. International Journal of Multiphase Flow, 2008, 34, 713-722.	3.4	15
84	Creeping-flow rotation of a slip spheroid about its axis of revolution. Theoretical and Computational Fluid Dynamics, 2012, 26, 173-183.	2.2	15
85	The Electric Conductivity of Dilute Suspensions of Charged Porous Spheres. Journal of Colloid and Interface Science, 1997, 192, 375-385.	9.4	14
86	Transient electroosmosis in the transverse direction of a fibrous porous medium. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 481, 577-582.	4.7	14
87	Electrophoresis and electric conduction in a suspension of charged soft particles. Colloid and Polymer Science, 2016, 294, 1129-1141.	2.1	14
88	Thermophoresis at small but finite PÃ©clet numbers. Aerosol Science and Technology, 2018, 52, 1028-1036.	3.1	14
89	Particle interactions in diffusiophoresis in nonelectrolyte gradients. Physics of Fluids, 1995, 7, 2122-2131.	4.0	12
90	Sedimentation Velocity and Potential in a Suspension of Charge-Regulating Colloidal Spheres. Journal of Colloid and Interface Science, 2001, 243, 331-341.	9.4	12

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91	Thermophoresis of an aerosol sphere parallel to one or two plane walls. AICHE Journal, 2003, 49, 2283-2299.	3.6	12
92	The effect of diffusioosmosis on water transport in polymer electrolyte fuel cells. Journal of Power Sources, 2008, 180, 711-718.	7.8	12
93	Electrokinetic motion of a charged colloidal sphere in a spherical cavity with magnetic fields. Journal of Chemical Physics, 2011, 134, 044125.	3.0	12
94	Electrokinetic Flow and Electric Current in a Fibrous Porous Medium. Journal of Physical Chemistry B, 2012, 116, 3578-3586.	2.6	12
95	Creeping motion of a fluid drop inside a spherical cavity. European Journal of Mechanics, B/Fluids, 2012, 34, 97-104.	2.5	12
96	Startup of electrophoresis in a suspension of colloidal spheres. Electrophoresis, 2015, 36, 3002-3008.	2.4	12
97	Thermophoresis of a particle in a concentric cavity with thermal stress slip. Aerosol Science and Technology, 2018, 52, 269-276.	3.1	12
98	Osmophoresis in a dilute suspension of spherical vesicles. International Journal of Multiphase Flow, 2000, 26, 125-145.	3.4	11
99	Diffusioosmosis of electrolyte solutions in a capillary slit with surface charge layers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 267, 4-15.	4.7	11
100	Startâ€up of electrophoresis of an arbitrarily oriented dielectric cylinder. Electrophoresis, 2014, 35, 2560-2565.	2.4	11
101	Electrophoresis of a spherical particle in a spherical cavity. Microfluidics and Nanofluidics, 2014, 16, 1107-1115.	2.2	11
102	Diffusiophoresis in Suspensions of Charged Porous Particles. Journal of Physical Chemistry B, 2015, 119, 2040-2050.	2.6	11
103	Electrophoretic mobility and electric conductivity in suspensions of charge-regulating porous particles. Colloid and Polymer Science, 2015, 293, 1903-1914.	2.1	11
104	Slow rotation of a spherical particle in an eccentric spherical cavity with slip surfaces. European Journal of Mechanics, B/Fluids, 2021, 86, 150-156.	2.5	11
105	Transient electrophoresis in a suspension of charged particles with arbitrary electric double layers. Electrophoresis, 2021, 42, 2126-2133.	2.4	11
106	Electric conductivity of a suspension of charged colloidal spheres with thin but polarized double layers. Colloid and Polymer Science, 2002, 280, 922-928.	2.1	10
107	Photophoresis of an aerosol sphere normal to a plane wall. Journal of Colloid and Interface Science, 2005, 289, 94-103.	9.4	10
108	Thermophoresis of an aerosol sphere perpendicular to two plane walls. AICHE Journal, 2006, 52, 1690-1704.	3.6	10

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109	Thermophoresis of an aerosol spheroid along its axis of revolution. Physics of Fluids, 2009, 21, .	4.0	10
110	Electrophoretic motion of a colloidal cylinder near a plane wall. Microfluidics and Nanofluidics, 2011, 10, 81-95.	2.2	10
111	Electrophoresis of a colloidal sphere with double-layer polarization in a microtube. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	10
112	Interactions among Bipolar Spheres in an Electrolytic Cell. Journal of the Electrochemical Society, 1994, 141, 3103-3114.	2.9	9
113	Particle Interactions in Diffusiophoresis: Axisymmetric Motion of Multiple Spheres in Nonelectrolyte Gradients. Langmuir, 1994, 10, 3010-3017.	3.5	9
114	Diffusiophoresis of a colloidal sphere in nonelectrolyte gradients parallel to one or two plane walls. Chemical Engineering Science, 2002, 57, 2885-2899.	3.8	9
115	Diffusiophoresis of a colloidal sphere in nonelectrolyte gradients in a circular cylindrical pore. Chemical Engineering Science, 2006, 61, 3550-3563.	3.8	9
116	Thermophoresis of a slightly deformed aerosol sphere. Physics of Fluids, 2007, 19, 033102.	4.0	9
117	Electrophoretic mobility of charged porous shells or microcapsules and electric conductivity of their dilute suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 497, 154-166.	4.7	9
118	Axisymmetric thermophoresis of an aerosol particle in a spherical cavity. Journal of Aerosol Science, 2019, 135, 33-45.	3.8	9
119	Start-Up Electrophoresis of a Cylindrical Particle with Arbitrary Double Layer Thickness. Journal of Physical Chemistry B, 2020, 124, 9967-9973.	2.6	9
120	Diffusiophoresis in Suspensions of Charged Soft Particles. Colloids and Interfaces, 2020, 4, 30.	2.1	9
121	Boundary effects on osmophoresis: motion of a spherical vesicle parallel to two plane walls. Chemical Engineering Science, 2003, 58, 4449-4464.	3.8	8
122	Diffusioosmosis of nonelectrolyte solutions in a fibrous medium. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 221, 175-183.	4.7	8
123	Thermocapillary motion of a fluid droplet perpendicular to two plane walls. Chemical Engineering Science, 2006, 61, 5221-5235.	3.8	8
124	Slow motions of a circular cylinder experiencing slip near a plane wall. Journal of Fluids and Structures, 2008, 24, 651-663.	3.4	8
125	Slow Motion of an Assemblage of Porous Spherical Shells Relative to a Fluid. Transport in Porous Media, 2010, 81, 261-275.	2.6	8
126	Magnetohydrodynamic effects on a charged colloidal sphere with arbitrary double-layer thickness. Journal of Chemical Physics, 2010, 133, 134103.	3.0	8

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127	Thermophoresis of an Aerosol Sphere with Chemical Reactions. Aerosol Science and Technology, 2012, 46, 361-368.	3.1	8
128	Start-Up of Electrokinetic Flow in a Fibrous Porous Medium. Journal of Physical Chemistry C, 2014, 118, 2826-2833.	3.1	8
129	Electrophoretic motion of a charged particle in a charged cavity. European Journal of Mechanics, B/Fluids, 2014, 48, 183-192.	2.5	8
130	Diffusiophoretic mobility of chargeâ€regulating porous particles. Electrophoresis, 2016, 37, 2139-2146.	2.4	8
131	Diffusiophoresis of a charged particle in a microtube. Electrophoresis, 2017, 38, 2468-2478.	2.4	8
132	Boundary effects on osmophoresis: motion of a vesicle normal to a plane wall. Chemical Engineering Science, 1993, 48, 609-616.	3.8	7
133	Boundary Effects on Osmophoresis: motion of a vesicle in an arbitrary direction with respect to a plane wall. Chemical Engineering Science, 1993, 48, 3555-3563.	3.8	7
134	Boundary Effects on Diffusiophoresis of Cylindrical Particles in Nonelectrolyte Gradients. Journal of Colloid and Interface Science, 2000, 221, 210-222.	9.4	7
135	Electric conductivity in a fibrous porous medium with thin but polarized double layers. Colloid and Polymer Science, 2004, 282, 985-992.	2.1	7
136	Thermophoresis of axisymmetric aerosol particles along their axes of revolution. AICHE Journal, 2009, 55, 35-48.	3.6	7
137	Electrophoresis of a Cylindrical Particle with a Nonuniform Zeta Potential Distribution Parallel to a Charged Plane Wall. Journal of Physical Chemistry C, 2009, 113, 12790-12798.	3.1	7
138	Thermophoretic motion of slightly deformed aerosol spheres. Journal of Aerosol Science, 2010, 41, 180-197.	3.8	7
139	Motion of a colloidal sphere with interfacial self-electrochemical reactions induced by a magnetic field. Journal of Chemical Physics, 2012, 136, 174702.	3.0	7
140	Axisymmetric creeping motion of a prolate particle in a cylindrical pore. European Journal of Mechanics, B/Fluids, 2013, 39, 52-58.	2.5	7
141	Axisymmetric thermocapillary migration of a fluid sphere in a spherical cavity. International Journal of Heat and Mass Transfer, 2013, 62, 772-781.	4.8	7
142	Effects of inertia on the slow rotation of a slip spherical particle. European Journal of Mechanics, B/Fluids, 2021, 88, 67-71.	2.5	7
143	Low-Reynolds-number rotation of a soft particle inside an eccentric cavity. European Journal of Mechanics, B/Fluids, 2022, 91, 194-201.	2.5	7
144	Axisymmetric Thermophoresis of Multiple Aerosol Spheres. Aerosol Science and Technology, 1996, 24, 21-35.	3.1	6

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145	Effects of Adsorbed Polymers on the Axisymmetric Motion of Two Colloidal Spheres. Journal of Colloid and Interface Science, 1997, 195, 353-367.	9.4	6
146	Creeping motion of an assemblage of composite spheres relative to a fluid. Colloid and Polymer Science, 2005, 283, 627-635.	2.1	6
147	Electrophoresis of an axisymmetric particle along its axis of revolution perpendicular to two parallel plane walls. Microfluidics and Nanofluidics, 2010, 9, 623-634.	2.2	6
148	Electroosmotic Velocity and Electric Conductivity in a Fibrous Porous Medium in the Transverse Direction. Journal of Physical Chemistry B, 2011, 115, 9168-9178.	2.6	6
149	Theoretical study of the creeping motion of axially and fore-and-aft symmetric slip particles in an arbitrary direction. European Journal of Mechanics, B/Fluids, 2011, 30, 236-244.	2.5	6
150	Sedimentation velocity and potential in a concentrated suspension of charged soft spheres. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 440, 185-196.	4.7	6
151	Diffusiophoresis of a colloidal cylinder in an electrolyte solution near a plane wall. Microfluidics and Nanofluidics, 2015, 19, 855-865.	2.2	6
152	Electrophoresis and diffusiophoresis of a colloidal sphere with double-layer polarization in a concentric charged cavity. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	6
153	Thermophoresis of a spherical particle in a microtube. Journal of Aerosol Science, 2017, 113, 71-84.	3.8	6
154	Diffusiophoresis of a charged porous shell in electrolyte gradients. Colloid and Polymer Science, 2018, 296, 451-459.	2.1	6
155	Diffusiophoresis of a charged particle in a charged cavity with arbitrary electric double layer thickness. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	6
156	Particle Interactions in Diffusiophoresis:Â Axisymmetric Motion of Multiple Spheres in Electrolyte Gradients. Langmuir, 1996, 12, 657-667.	3.5	5
157	Hydrodynamic Interactions of Two Freely Suspended Droplets in Linear Flow Fields. Journal of Colloid and Interface Science, 1998, 204, 66-76.	9.4	5
158	Motion of a Colloidal Sphere Covered by a Layer of Adsorbed Polymers Normal to a Plane Surface. Journal of Colloid and Interface Science, 1999, 210, 296-308.	9.4	5
159	Boundary effects on osmophoresis: Motion of a spherical vesicle perpendicular to two plane walls. Chemical Engineering Science, 2006, 61, 434-448.	3.8	5
160	Boundary effects on thermophoresis of aerosol cylinders. Journal of Aerosol Science, 2010, 41, 771-789.	3.8	5
161	Sedimentation of a charged colloidal sphere in a charged cavity. Journal of Chemical Physics, 2011, 135, 214706.	3.0	5
162	Sedimentation of a Charged Porous Particle in a Charged Cavity. Journal of Physical Chemistry B, 2013, 117, 12319-12327.	2.6	5

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163	Thermophoretic Motion of a Cylindrical Particle with Chemical Reactions. Aerosol Science and Technology, 2014, 48, 1156-1165.	3.1	5
164	Diffusiophoresis of a Charged Porous Particle in a Charged Cavity. Journal of Physical Chemistry B, 2018, 122, 9803-9814.	2.6	5
165	Thermophoretic motion of an aerosol sphere in a spherical cavity. European Journal of Mechanics, B/Fluids, 2020, 81, 93-104.	2.5	5
166	Transient rotation of a spherical particle in a concentric cavity with slip surfaces. Fluid Dynamics Research, 2021, 53, 045509.	1.3	5
167	Boundary Effects on the Bipolar Behavior of a Spherical Particle in an Electrolytic Cell. Journal of the Electrochemical Society, 1997, 144, 3536-3544.	2.9	4
168	A Study of Bipolar Spheroids in an Electrolytic Cell. Journal of the Electrochemical Society, 1997, 144, 1323-1331.	2.9	4
169	Concentration Effects on the Thermophoresis of Aerosol Spheres. Journal of Colloid and Interface Science, 1999, 216, 167-178.	9.4	4
170	Thermophoresis of axially and fore-and-aft symmetric aerosol particles. Physics of Fluids, 2010, 22, 113305.	4.0	4
171	Magnetohydrodynamic motion of a colloidal sphere with self-electrochemical surface reactions in a spherical cavity. Journal of Chemical Physics, 2013, 138, 074105.	3.0	4
172	Electrokinetic flow and electric conduction of saltâ€free solutions in a capillary. Electrophoresis, 2020, 41, 1503-1508.	2.4	4
173	Photophoresis of an Aerosol Sphere in a Spherical Cavity. Aerosol and Air Quality Research, 2001, 1, 21-30.	2.1	4
174	Slow axisymmetric rotation of a sphere in a circular tube with slip surfaces. Fluid Dynamics Research, 2021, 53, 065502.	1.3	4
175	Slow axisymmetric rotation of a soft sphere in a circular cylinder. European Journal of Mechanics, B/Fluids, 2022, 95, 205-211.	2.5	4
176	Slow rotation of a sphere about its diameter normal to two planes with slip surfaces. Fluid Dynamics Research, 2022, 54, 035502.	1.3	4
177	Diffusiophoresis of colloidal spheroids in symmetric electrolytes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1994, 92, 51-65.	4.7	3
178	Motion of a Colloidal Particle Coated with a Layer of Adsorbed Polymers in a Spherical Cavity. Journal of Colloid and Interface Science, 1997, 185, 411-423.	9.4	3
179	Electrokinetic Flow of Salt-Free Solutions in a Fibrous Porous Medium. Journal of Physical Chemistry B, 2019, 123, 9724-9730.	2.6	3
180	Diffusiophoresis of a Colloidal Cylinder at Small Finite PÃ©clet Numbers. Colloids and Interfaces, 2019, 3, 44.	2.1	3

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181	Axisymmetric electrophoresis of coaxial spheroids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 75, 147-162.	4.7	2
182	Osmophoresis of a spherical vesicle in a circular cylindrical pore. AICHE Journal, 2005, 51, 2628-2639.	3.6	2
183	Electrophoresis and electric conduction in a saltâ€free suspension of charged particles. Electrophoresis, 2021, 42, 2134-2142.	2.4	2
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185	Diffusiophoresis of interacting particles in nonelectrolyte gradients. Journal of the Taiwan Institute of Chemical Engineers, 2009, 40, 689-699.	5.3	1
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