Zbigniew Adamczyk

List of Publications by Year
in descending order

247	8,196	44069	71685
papers	citations	48 h-index	76 g-index

252	252	252	5255
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Kinetics of localized adsorption of colloid particles. Advances in Colloid and Interface Science, 1994, 48, 151-280.	14.7	319
2	Characterization of Globular Protein Solutions by Dynamic Light Scattering, Electrophoretic Mobility, and Viscosity Measurements. Langmuir, 2008, 24, 6866-6872.	3.5	316
3	Application of the DLVO theory for particle deposition problems. Advances in Colloid and Interface Science, 1999, 83, 137-226.	14.7	257
4	Role of electrostatic interactions in particle adsorption. Advances in Colloid and Interface Science, 1996, 63, 41-149.	14.7	230
5	Structure and ordering in localized adsorption of particles. Journal of Colloid and Interface Science, 1990, 140, 123-137.	9.4	192
6	Particle transfer to solid surfaces. Advances in Colloid and Interface Science, 1983, 19, 183-252.	14.7	166
7	Deposition of particles under external forces in laminar flow through parallel-plate and cylindrical channels. Journal of Colloid and Interface Science, 1981, 80, 340-356.	9.4	158
8	Streaming potential studies of colloid, polyelectrolyte and protein deposition. Advances in Colloid and Interface Science, 2010, 153, 1-29.	14.7	136
9	Measurements of Streaming Potential for Mica Covered by Colloid Particles. Langmuir, 2000, 16, 1593-1601.	3.5	135
10	Particle adsorption and deposition: role of electrostatic interactions. Advances in Colloid and Interface Science, 2003, 100-102, 267-347.	14.7	130
11	Kinetics of Diffusion-Controlled Adsorption of Colloid Particles and Proteins. Journal of Colloid and Interface Science, 2000, 229, 477-489.	9.4	116
12	Fibrinogen Adsorption on Mica Studied by AFM and in Situ Streaming Potential Measurements. Langmuir, 2011, 27, 686-696.	3.5	106
13	Modeling adsorption of colloids and proteins. Current Opinion in Colloid and Interface Science, 2012, 17, 173-186.	7.4	103
14	Structure of Fibrinogen in Electrolyte Solutions Derived from Dynamic Light Scattering (DLS) and Viscosity Measurements. Langmuir, 2009, 25, 3698-3704.	3.5	98
15	Influence of Polydispersity on Random Sequential Adsorption of Spherical Particles. Journal of Colloid and Interface Science, 1997, 185, 236-244.	9.4	88
16	Characterization of Polyelectrolyte Multilayers by the Streaming Potential Method. Langmuir, 2004, 20, 10517-10525.	3.5	86
17	Mechanisms of Fibrinogen Adsorption at Solid Substrates. Langmuir, 2011, 27, 6868-6878.	3.5	85
18	Structure of Poly(acrylic acid) in Electrolyte Solutions Determined from Simulations and Viscosity Measurements. Journal of Physical Chemistry B, 2006, 110, 22426-22435.	2.6	84

#	Article	IF	Citations
19	Zeta Potential of Mica Covered by Colloid Particles: A Streaming Potential Study. Langmuir, 2010, 26, 9368-9377.	3.5	83
20	Deposition of brownian particles onto cylindrical collectors. Journal of Colloid and Interface Science, 1981, 84, 497-518.	9.4	80
21	Colloid particle and protein deposition â€" Electrokinetic studies. Advances in Colloid and Interface Science, 2011, 168, 3-28.	14.7	76
22	Calculations of Double-Layer Electrostatic Interactions for the Sphere/Plane Geometry. Journal of Colloid and Interface Science, 1997, 187, 283-295.	9.4	75
23	Influence of Ionic Strength on Surface Tension of Cetyltrimethylammonium Bromide. Langmuir, 1999, 15, 8383-8387.	3.5	73
24	High density silver nanoparticle monolayers produced by colloid self-assembly on polyelectrolyte supporting layers. Journal of Colloid and Interface Science, 2011, 364, 39-48.	9.4	72
25	Irreversible adsorption of particles on heterogeneous surfaces. Advances in Colloid and Interface Science, 2005, 118, 25-42.	14.7	71
26	Kinetics of latex particle deposition from flowing suspensions. Journal of Colloid and Interface Science, 1986, 110, 188-200.	9.4	69
27	Enhanced deposition of particles under attractive double-layer forces. Journal of Colloid and Interface Science, 1989, 130, 578-587.	9.4	66
28	Adsorption and desorption kinetics of molecules and colloidal particles. Journal of Colloid and Interface Science, 1987, 118, 20-49.	9.4	65
29	Irreversible adsorption/deposition kinetics: A generalized approach. Journal of Chemical Physics, 1999, 110, 3118-3128.	3.0	65
30	Polyelectrolyte adsorption layers studied by streaming potential and particle deposition. Journal of Colloid and Interface Science, 2006, 303, 353-364.	9.4	64
31	Kinetics of localized adsorption of particles on homogeneous surfaces. Journal of Colloid and Interface Science, 1992, 151, 351-369.	9.4	63
32	Fibrinogen conformations and charge in electrolyte solutions derived from DLS and dynamic viscosity measurements. Journal of Colloid and Interface Science, 2012, 385, 244-257.	9.4	63
33	Particle Deposition from Flowing Suspensions. Colloids and Surfaces, 1989, 39, 1-37.	0.9	62
34	Effect of electrolytes on surface tension of ionic surfactant solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 222, 213-222.	4.7	61
35	Silver particle monolayers â€" Formation, stability, applications. Advances in Colloid and Interface Science, 2015, 222, 530-563.	14.7	60
36	Conformations of poly(allylamine hydrochloride) in electrolyte solutions: Experimental measurements and theoretical modeling. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 355, 7-15.	4.7	59

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37	Kinetics of Fibrinogen Adsorption on Hydrophilic Substrates. Langmuir, 2010, 26, 11934-11945.	3.5	59
38	Monolayers of cationic polyelectrolytes on mica â€“ Electrokinetic studies. Journal of Colloid and Interface Science, 2013, 407, 196-204.	9.4	58
39	Ionic strength effect in HSA adsorption on mica determined by streaming potential measurements. Journal of Colloid and Interface Science, 2012, 366, 105-113.	9.4	57
40	Flow-Induced Surface Blocking Effects in Adsorption of Colloid Particles. Journal of Colloid and Interface Science, 1995, 174, 130-141.	9.4	56
41	Characterization of poly(ethylene imine) layers on mica by the streaming potential and particle deposition methods. Journal of Colloid and Interface Science, 2007, 313, 86-96.	9.4	56
42	Random sequential adsorption of spheroidal particles: Kinetics and jamming limit. Journal of Chemical Physics, 1996, 105, 5562-5573.	3.0	55
43	Kinetics of Particle Deposition in the Radial Impinging-Jet Cell. Journal of Colloid and Interface Science, 2001, 242, 14-24.	9.4	54
44	Kinetics of Irreversible Adsorption of Latex Particles under Diffusion-Controlled Transport. Langmuir, 2000, 16, 5730-5737.	3.5	52
45	Influence of adsorbed particles on streaming potential of mica. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 195, 3-15.	4.7	50
46	Noninertial particle transfer to the rotating disc under an external force field (laminar flow). Chemical Engineering Science, 1979, 34, 1041-1049.	3.8	49
47	Resistance coefficient of a solid sphere approaching plane and curved boundaries. Journal of Colloid and Interface Science, 1983, 96, 204-213.	9.4	49
48	Effect of segregation on near-surface and bulk transport phenomena in ionic crystals. Journal of Physics and Chemistry of Solids, 1986, 47, 11-27.	4.0	49
49	Kinetics of particle accumulation at collector surfaces. I. Approximate analytical solutions. Journal of Colloid and Interface Science, 1984, 97, 68-90.	9.4	47
50	Streaming current and streaming potential for particle covered surfaces: Virial expansion and simulations. Journal of Chemical Physics, 2009, 130, 144706.	3.0	47
51	Mechanisms of nanoparticle and bioparticle deposition â€“ Kinetic aspects. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 439, 3-22.	4.7	46
52	Albumin adsorption at solid substrates: A quest for a unified approach. Journal of Colloid and Interface Science, 2018, 514, 769-790.	9.4	45
53	Reversible and irreversible adsorption of particles on homogeneous surfaces. Colloids and Surfaces, 1992, 62, 119-130.	0.9	44
54	Mechanisms of Fibrinogen Adsorption at Solid Substrates at Lower pH. Langmuir, 2013, 29, 7005-7016.	3.5	44

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55	Oxidative dissolution of silver nanoparticles: A new theoretical approach. Journal of Colloid and Interface Science, 2016, 469, 355-364.	9.4	44
56	Transport of particles to a rotating disk surface under an external force field. Journal of Colloid and Interface Science, 1977, 62, 529-541.	9.4	43
57	Structure of colloid silica determined by viscosity measurements. Journal of Colloid and Interface Science, 2004, 273, 668-674.	9.4	43
58	Structure of poly (sodium 4-styrenesulfonate) (PSS) in electrolyte solutions: Theoretical modeling and measurements. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 343, 96-103.	4.7	43
59	Kinetics of Silver Nanoparticle Deposition at PAH Monolayers: Reference QCM Results. Langmuir, 2015, 31, 2988-2996.	3.5	43
60	Kinetics of localized adsorption of colloid particles. Langmuir, 1992, 8, 2605-2610.	3.5	42
61	Colloid Particle Adsorption at Random Site (Heterogeneous) Surfaces. Journal of Colloid and Interface Science, 2002, 248, 67-75.	9.4	42
62	Mechanisms of Fibrinogen Adsorption on Latex Particles Determined by Zeta Potential and AFM Measurements. Langmuir, 2012, 28, 474-485.	3.5	42
63	Tuning properties of silver particle monolayers via controlled adsorptionâ€“desorption processes. Journal of Colloid and Interface Science, 2012, 376, 1-11.	9.4	42
64	Kinetics of particle accumulation at collector surfaces. II. Exact numerical solutions. Journal of Colloid and Interface Science, 1984, 97, 91-104.	9.4	41
65	Adsorption of tannic acid on polyelectrolyte monolayers determined in situ by streaming potential measurements. Journal of Colloid and Interface Science, 2015, 438, 249-258.	9.4	41
66	Nonequilibrium surface tension for mixed adsorption kinetics. Journal of Colloid and Interface Science, 1987, 120, 477-485.	9.4	39
67	Human Fibrinogen Monolayers on Latex Particles: Role of Ionic Strength. Langmuir, 2013, 29, 3700-3710.	3.5	39
68	Protein adsorption mechanisms at rough surfaces: Serum albumin at a gold substrate. Journal of Colloid and Interface Science, 2018, 530, 631-641.	9.4	39
69	Characterization of polyelectrolyte multilayers on mica and oxidized titanium by streaming potential and wetting angle measurements. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 302, 455-460.	4.7	37
70	Mechanism of HSA adsorption on mica determined by streaming potential, AFM and XPS measurements. Colloids and Surfaces B: Biointerfaces, 2013, 101, 442-449.	5.0	37
71	Influence of ionic strength on poly(diallyldimethylammonium chloride) macromolecule conformations in electrolyte solutions. Journal of Colloid and Interface Science, 2014, 435, 182-190.	9.4	36
72	Protein adsorption: A quest for a universal mechanism. Current Opinion in Colloid and Interface Science, 2019, 41, 50-65.	7.4	36

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73	Irreversible adsorption of colloid particles at heterogeneous surfaces. Applied Surface Science, 2002, 196, 250-263.	6.1	35
74	Formation of PDADMAC monolayers evaluated in situ by QCM and streaming potential measurements. Journal of Colloid and Interface Science, 2014, 428, 170-177.	9.4	34
75	Unoriented Adsorption of Interacting Spheroidal Particles. Journal of Colloid and Interface Science, 1997, 189, 348-360.	9.4	33
76	Role of convection in particle deposition at solid surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 165, 157-187.	4.7	32
77	Monolayers of poly-l-lysine on mica â€“ Electrokinetic characteristics. Journal of Colloid and Interface Science, 2015, 456, 116-124.	9.4	32
78	Fluctuations in the number of particles adsorbed under the influence of diffusion and flow. Journal of Chemical Physics, 1996, 105, 5552-5561.	3.0	31
79	Controlled Release of Silver Nanoparticles from Monolayers Deposited on PAH Covered Mica. Langmuir, 2013, 29, 3546-3555.	3.5	31
80	Charge Stabilized Silver Nanoparticles Applied as Antibacterial Agents. Journal of Nanoscience and Nanotechnology, 2015, 15, 3574-3583.	0.9	31
81	Mechanisms of fibrinogen adsorption at the silica substrate determined by QCM-D measurements. Journal of Colloid and Interface Science, 2015, 457, 378-387.	9.4	30
82	Applicability of QCM-D for Quantitative Measurements of Nano- and Microparticle Deposition Kinetics: Theoretical Modeling and Experiments. Analytical Chemistry, 2020, 92, 15087-15095.	6.5	30
83	Particle transfer and deposition from flowing colloid suspensions. Colloids and Surfaces, 1989, 35, 283-308.	0.9	29
84	Localized adsorption of particles on spherical and cylindrical interfaces. Journal of Colloid and Interface Science, 1991, 146, 123-136.	9.4	29
85	Random sequential adsorption on partially covered surfaces. Journal of Chemical Physics, 1998, 108, 9851-9858.	3.0	29
86	Self-assembled silver nanoparticles monolayers on mica-AFM, SEM, and electrokinetic characteristics. Journal of Nanoparticle Research, 2013, 15, 1460.	1.9	29
87	Human Fibrinogen Adsorption on Positively Charged Latex Particles. Langmuir, 2014, 30, 11165-11174.	3.5	29
88	Silica nanoparticle monolayers on a macroion modified surface: formation mechanism and stability. Physical Chemistry Chemical Physics, 2017, 19, 22721-22732.	2.8	29
89	Irreversible adsorption of hard spheres at random site (heterogeneous) surfaces. Journal of Chemical Physics, 2002, 116, 4665-4672.	3.0	28
90	Hematite nanoparticle monolayers on mica preparation by controlled self-assembly. Journal of Colloid and Interface Science, 2012, 386, 51-59.	9.4	28

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91	Kinetics of Colloid Particle Adsorption at Heterogeneous Surfaces. Langmuir, 2001, 17, 4529-4533.	3.5	27
92	Streaming potential of mica covered by latex particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 222, 329-339.	4.7	27
93	Irreversible adsorption of particles at random-site surfaces. Journal of Chemical Physics, 2004, 120, 11155-11162.	3.0	27
94	Deposition of colloid particles on protein layers: Fibrinogen on mica. Journal of Colloid and Interface Science, 2011, 356, 454-464.	9.4	27
95	Hematite/silver nanoparticle bilayers on mica â€“ AFM, SEM and streaming potential studies. Journal of Colloid and Interface Science, 2014, 424, 75-83.	9.4	27
96	Formation of positively charged gold nanoparticle monolayers on silica sensors. Journal of Colloid and Interface Science, 2017, 501, 192-201.	9.4	27
97	Human Serum Albumin Adsorption Kinetics on Silica: Influence of Protein Solution Stability. Langmuir, 2019, 35, 2639-2648.	3.5	26
98	Kinetics of Irreversible Adsorption of Interacting Spheroidal Particles. Langmuir, 1995, 11, 4400-4410.	3.5	25
99	Hydrodynamic radii and diffusion coefficients of particle aggregates derived from the bead model. Journal of Colloid and Interface Science, 2010, 347, 192-201.	9.4	25
100	Zeta potential of particle bilayers on mica: A streaming potential study. Journal of Colloid and Interface Science, 2011, 360, 195-203.	9.4	25
101	Human Serum Albumin Monolayers on Mica: Electrokinetic Characteristics. Langmuir, 2012, 28, 15663-15673.	3.5	25
102	Monolayers of silver nanoparticles obtained by chemical reduction methods. Surface Innovations, 2014, 2, 160-172.	2.3	25
103	In situ studies of particle deposition on non-transparent substrates. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 235, 65-72.	4.7	24
104	Deposition of colloid particles at heterogeneous and patterned surfaces. Advances in Colloid and Interface Science, 2009, 147-148, 2-17.	14.7	24
105	Gold Nanoparticle Monolayers of Controlled Coverage and Structure. Journal of Physical Chemistry C, 2016, 120, 11807-11819.	3.1	24
106	Mechanisms of Fibrinogen Adsorption at Solid Substrates. Current Topics in Medicinal Chemistry, 2014, 14, 702-729.	2.1	24
107	Colloid Particle Adsorption in the Slot Impinging Jet Cell. Journal of Colloid and Interface Science, 1999, 209, 350-361.	9.4	23
108	Conformations of Poly-<scp>l</scp>-lysine Molecules in Electrolyte Solutions: Modeling and Experimental Measurements. Journal of Physical Chemistry C, 2018, 122, 23180-23190.	3.1	23

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109	Fibrinogen adsorption mechanisms at the gold substrate revealed by QCM-D measurements and RSA modeling. Colloids and Surfaces B: Biointerfaces, 2016, 139, 123-131.	5.0	22
110	Homogeneous gold nanoparticle monolayersâ€"QCM and electrokinetic characteristics. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 514, 226-235.	4.7	22
111	Particle transfer to a plate in uniform flow. Chemical Engineering Science, 1982, 37, 869-880.	3.8	21
112	Electrostatic Interactions of Bodies Bearing Thin Doubleâ€Layers I. General Formulation. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1990, 94, 1483-1492.	0.9	21
113	Kinetics of colloid particle adsorption from slot impinging jets. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 75, 185-193.	4.7	21
114	Deposition of Particles in the Impinging-Jet Cell for the High Coverage Regime. Journal of Colloid and Interface Science, 2002, 248, 244-254.	9.4	21
115	Colloid particle deposition on heterogeneous surfaces produced by polyelectrolyte adsorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 343, 111-117.	4.7	21
116	Investigation on fine particle deposition from flowing suspensions onto planar surfaces. Powder Technology, 1980, 27, 125-136.	4.2	20
117	Particle deposition at electrostatically heterogeneous surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 222, 15-25.	4.7	20
118	Kinetics of silver nanoparticle deposition onto poly(ethylene imine) modified mica determined by AFM and SEM measurements. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 377, 261-268.	4.7	20
119	Recombinant Albumin Monolayers on Latex Particles. Langmuir, 2014, 30, 250-258.	3.5	20
120	Mechanism of Nanoparticle Deposition on Polystyrene Latex Particles. Langmuir, 2014, 30, 692-699.	3.5	20
121	Kinetics of human serum albumin adsorption at silica sensor: Unveiling dynamic hydration function. Colloids and Surfaces B: Biointerfaces, 2018, 167, 377-384.	5.0	20
122	Hydrodynamic Solvent Coupling Effects in Quartz Crystal Microbalance Measurements of Nanoparticle Deposition Kinetics. Analytical Chemistry, 2020, 92, 3896-3903.	6.5	20
123	Hematite nanoparticle monolayers on mica electrokinetic characteristics. Journal of Colloid and Interface Science, 2012, 386, 121-128.	9.4	19
124	Revealing properties of the KfrA plasmid protein via combined DLS, AFM and electrokinetic measurements. Colloids and Surfaces B: Biointerfaces, 2013, 103, 635-641.	5.0	19
125	Influence of supporting polyelectrolyte layers on the coverage and stability of silver nanoparticle coatings. Journal of Colloid and Interface Science, 2015, 445, 205-212.	9.4	19
126	Monolayers of poly(amido amine) dendrimers on mica â€" In situ streaming potential measurements. Journal of Colloid and Interface Science, 2017, 485, 232-241.	9.4	19

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127	Formation of Poly-<scp>l</scp>-lysine Monolayers on Silica: Modeling and Experimental Studies. Journal of Physical Chemistry C, 2020, 124, 4571-4581.	3.1	19
128	Kinetics of particle deposition in the oblique impinging jet cell. Journal of Colloid and Interface Science, 2004, 269, 53-61.	9.4	18
129	Characterization of rheological properties of colloidal zirconia. Journal of the European Ceramic Society, 2007, 27, 2209-2215.	5.7	18
130	Formation of multilayered structures in the layer by layer deposition of colloid particles. Journal of Colloid and Interface Science, 2008, 317, 1-10.	9.4	18
131	Particle Assembly on Patterned Surfaces Bearing Circular (Dots) and Rectangular (Stripes) Surface Features. Langmuir, 2008, 24, 1756-1762.	3.5	18
132	Deposition of gold nanoparticles on mica modified by poly(allylamine hydrochloride) monolayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 204-210.	4.7	18
133	Monolayers of the HSA dimer on polymeric microparticles-electrokinetic characteristics. Colloids and Surfaces B: Biointerfaces, 2016, 148, 229-237.	5.0	18
134	Formation and stability of polyelectrolyte/polypeptide monolayers determined by electrokinetic measurements. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 529, 302-310.	4.7	18
135	Density fluctuations in irreversible adsorption processes: Hard ellipses in two dimensions. Journal of Chemical Physics, 1997, 107, 3691-3697.	3.0	17
136	Deposition of latex particles at heterogeneous surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 249, 95-98.	4.7	17
137	Surface Clusters of Colloid Particles Produced by Deposition on Sites. Langmuir, 2005, 21, 8952-8959.	3.5	17
138	Tuning conformations of fibrinogen monolayers on latex particles by pH of adsorption. Colloids and Surfaces B: Biointerfaces, 2013, 103, 482-488.	5.0	17
139	Recombinant albumin adsorption on mica studied by AFM and streaming potential measurements. Colloids and Surfaces B: Biointerfaces, 2015, 127, 192-199.	5.0	17
140	Gold nanoparticles deposited on silica microparticles - Electrokinetic characteristics and application in SERS. Colloids and Interface Science Communications, 2019, 33, 100219.	4.1	17
141	SARS-CoV-2 virion physicochemical characteristics pertinent to abiotic substrate attachment. Current Opinion in Colloid and Interface Science, 2021, 55, 101466.	7.4	17
142	Formation mechanism of human serum albumin monolayers on positively charged polymer microparticles. Colloids and Surfaces B: Biointerfaces, 2017, 159, 929-936.	5.0	17
143	Influence of transport mechanism on adsorption of interacting colloid particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1993, 76, 115-124.	4.7	16
144	NOTE. Journal of Colloid and Interface Science, 1997, 195, 261-263.	9.4	16

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145	CAD/CAM technological environment creation as an interactive application on the Web. Journal of Materials Processing Technology, 2001, 109, 222-228.	6.3	16
146	Particle adsorption under irreversible conditions: kinetics and jamming coverage. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 208, 29-40.	4.7	16
147	Gold Nanoparticle Layers on Polystyrene Microspheres of Controlled Structure and Electrokinetic Properties. Langmuir, 2018, 34, 8489-8498.	3.5	16
148	Deposition of particles onto the rotating disk under transient conditions. Journal of Colloid and Interface Science, 1980, 78, 559-562.	9.4	15
149	Transfer of brownian particles to continuous moving surfaces. Chemical Engineering Science, 1982, 37, 1513-1522.	3.8	15
150	The effect of fluctuations of the energy barrier on colloid stability. Journal of Colloid and Interface Science, 1985, 106, 299-306.	9.4	15
151	Adsorption kinetics and compositional surface elasticity of multicomponent surfactant solutions. Journal of Colloid and Interface Science, 1989, 133, 23-56.	9.4	15
152	Calculation of electrostatic interaction forces between ellipsoidal particles. Colloid and Polymer Science, 1991, 269, 528-531.	2.1	15
153	Colloid Particle Adsorption on Partially Covered (Random) Surfaces. Journal of Colloid and Interface Science, 2001, 241, 63-70.	9.4	15
154	Deposition of colloid particles on polyelectrolyte multilayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 302, 467-472.	4.7	15
155	Silver nanoparticle monolayers on poly(ethylene imine) covered mica produced by colloidal self-assembly. Journal of Colloid and Interface Science, 2010, 345, 187-193.	9.4	15
156	Mechanisms of Fibrinogen Adsorption on Silica Sensors at Various pHs: Experiments and Theoretical Modeling. Langmuir, 2019, 35, 11275-11284.	3.5	15
157	Nanoparticle and Bioparticle Deposition Kinetics: Quartz Microbalance Measurements. Nanomaterials, 2021, 11, 145.	4.1	15
158	Modelling self-assembling of colloid particles in multilayered structures. Applied Surface Science, 2007, 253, 5776-5780.	6.1	14
159	Stability of silver nanoparticle monolayers determined by in situ streaming potential measurements. Journal of Nanoparticle Research, 2013, 15, 2076.	1.9	14
160	Mechanism of immonoglobulin G adsorption on mica-AFM and electrokinetic studies. Colloids and Surfaces B: Biointerfaces, 2014, 118, 57-64.	5.0	14
161	Hydrodynamic Solvation of Poly(amido amine) Dendrimer Monolayers on Silica. Journal of Physical Chemistry C, 2020, 124, 17684-17695.	3.1	14
162	Human Fibrinogen Adsorption on Latex Particles at pH 7.4 Studied by Electrophoretic Mobility and AFM Measurements. Current Topics in Medicinal Chemistry, 2014, 14, 640-648.	2.1	14

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163	Latex particle adsorption at heterogeneous surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 214, 219-229.	4.7	13
164	Mapping single macromolecule chains using the colloid deposition method: PDADMAC on mica. Journal of Colloid and Interface Science, 2015, 450, 82-90.	9.4	13
165	Monolayers of silver nanoparticles on positively charged polymer microspheres. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 499, 1-9.	4.7	13
166	Formation of gold nanoparticle bilayers on gold sensors. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 560, 393-401.	4.7	13
167	Kinetic study of abstraction of ethyl xanthate ions by oxidized chalcocite surface. International Journal of Mineral Processing, 1980, 7, 57-77.	2.6	12
168	Irreversible adsorption of latex particles on fibrinogen covered mica. Adsorption, 2010, 16, 259-269.	3.0	12
169	Silica Monolayer Formation and Stability Determined by in situ Streaming Potential Measurements. Electrochimica Acta, 2016, 206, 409-418.	5.2	12
170	Mechanism of immunoglobulin G adsorption on polystyrene microspheres. Colloids and Surfaces B: Biointerfaces, 2016, 137, 183-190.	5.0	12
171	Formation and stability of manganese-doped ZnS quantum dot monolayers determined by QCM-D and streaming potential measurements. Journal of Colloid and Interface Science, 2017, 503, 186-197.	9.4	12
172	Kinetics of Poly-<scp>l</scp>-lysine Adsorption on Mica and Stability of Formed Monolayers: Theoretical and Experimental Studies. Langmuir, 2019, 35, 12042-12052.	3.5	12
173	Streaming Current and Effective Î¶-Potential for Particle-Covered Surfaces with Random Particle Distributions. Journal of Physical Chemistry C, 2019, 123, 3517-3531.	3.1	12
174	Nanoparticle and bioparticle deposition kinetics. Advances in Colloid and Interface Science, 2022, 302, 102630.	14.7	12
175	Density of Particle Monlayers Formed by Sedimentation. Journal of Colloid and Interface Science, 1998, 198, 183-185.	9.4	11
176	Fluctuations in the number of irreversibly adsorbed particles. Journal of Chemical Physics, 2000, 113, 11336-11342.	3.0	11
177	Fibrinogen Monolayer Characterization by Colloid Deposition. Langmuir, 2013, 29, 11991-12002.	3.5	11
178	Formation of hematite nanoparticle monolayers of controlled coverage and structure at polymeric microparticles. Journal of Colloid and Interface Science, 2017, 505, 509-518.	9.4	11
179	Hematite/silica nanoparticle bilayers on mica: AFM and electrokinetic characterization. Physical Chemistry Chemical Physics, 2018, 20, 15368-15379.	2.8	11
180	Lysozyme Monolayers at Polymer Microparticles: Electrokinetic Characteristics and Modeling. Journal of Physical Chemistry C, 2018, 122, 17846-17855.	3.1	11

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181	Monolayers of silver nanoparticles obtained by green synthesis on macrocation modified substrates. Materials Chemistry and Physics, 2019, 227, 224-235.	4.0	11
182	Nearâ€Surface and Bulk Chemical Diffusion of Undoped NiO. Journal of the Electrochemical Society, 1980, 127, 1117-1120.	2.9	10
183	Hematite nanoparticle monolayers on mica: Characterization by colloid deposition. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 412, 72-81.	4.7	10
184	Spheroidal Microparticle Monolayers Characterized by Streaming Potential Measurements. Langmuir, 2017, 33, 9916-9925.	3.5	10
185	Poly-L-Arginine Molecule Properties in Simple Electrolytes: Molecular Dynamic Modeling and Experiments. International Journal of Environmental Research and Public Health, 2022, 19, 3588.	2.6	10
186	Long nonstationary transitions in particle deposition under external forces. Journal of Colloid and Interface Science, 1981, 79, 381-389.	9.4	9
187	Electrostatic Interactions of Bodies Bearing Thin Double-Layers II. Exact Numerical Solutions. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1990, 94, 1492-1499.	0.9	9
188	Deposition Kinetics of Particles at a Solid Surface Governed by the Ballistic Deposition Model. Langmuir, 1998, 14, 7267-7270.	3.5	9
189	Polystyrene Latex Adsorption at the Gold/Electrolyte Interface. Journal of Colloid and Interface Science, 2002, 254, 283-286.	9.4	9
190	Particle Assembly on Surface Features (Patterned Surfaces). Langmuir, 2007, 23, 5557-5562.	3.5	9
191	Electrokinetics of particle covered surfaces. Current Opinion in Colloid and Interface Science, 2010, 15, 175-183.	7.4	9
192	High density monolayers of plasmid protein on latex particles: experiments and theoretical modeling. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P04003.	2.3	9
193	Revealing deposition mechanism of colloid particles on human serum albumin monolayers. Colloids and Surfaces B: Biointerfaces, 2016, 137, 176-182.	5.0	9
194	Nanoparticle deposition on heterogeneous surfaces: Random sequential adsorption modeling and experiments. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 617, 126296.	4.7	9
195	Particle monolayers formed under irreversible conditions: jamming coverages and structure. Topics in Catalysis, 2000, 11/12, 435-449.	2.8	8
196	Irreversible adsorption of colloid particles on heterogeneous surfaces. Applied Surface Science, 2005, 252, 723-729.	6.1	8
197	KfrA plasmid protein monolayers on latex particles-electrokinetic measurements. Colloids and Surfaces B: Biointerfaces, 2013, 112, 165-170.	5.0	8
198	Revealing fibrinogen monolayer conformations at different pHs: Electrokinetic and colloid deposition studies. Journal of Colloid and Interface Science, 2015, 449, 62-71.	9.4	8

#	Article	IF	Citations
199	Electrokinetic characteristics of HSA dimer and its monolayers at mica. Colloids and Surfaces B: Biointerfaces, 2015, 136, 1207-1214.	5.0	8
200	Monolayers of immunoglobulin G on polystyrene microparticles and their interactions with human serum albumin. Journal of Colloid and Interface Science, 2017, 490, 587-597.	9.4	8
201	QCM-D Investigations of Anisotropic Particle Deposition Kinetics: Evidences of the Hydrodynamic Slip Mechanisms. Analytical Chemistry, 2022, 94, 10234-10244.	6.5	8
202	Work Function and Chemical Diffusion of Nonstoichiometric Oxide Materials. Journal of the Electrochemical Society, 1980, 127, 1112-1116.	2.9	7
203	Gold substrates of controlled roughness and electrokinetic properties formed by nanoparticle deposition. Physical Chemistry Chemical Physics, 2019, 21, 6535-6543.	2.8	7
204	Chitosan characteristics in electrolyte solutions: Combined molecular dynamics modeling and slender body hydrodynamics. Carbohydrate Polymers, 2022, 292, 119676.	10.2	7
205	On the convective diffusion of particles under electrical double-layer forces. Journal of Colloid and Interface Science, 1978, 64, 580-583.	9.4	6
206	Pathlines around freely rotating spheroids in simple shear flow. International Journal of Multiphase Flow, 1983, 9, 203-217.	3.4	6
207	Electrostatic Interactions of Bodies Bearing Thin Doubleâ€Layers III. Dissimilar Doubleâ€Layers. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1991, 95, 566-573.	0.9	6
208	Kinetics of fluorescent latex particle deposition at polyelectrolyte monolayers determined by in situ measurements. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 237-244.	4.7	6
209	Mechanism of fibrinogen /microparticle complex deposition on solid substrates: Role of pH. Colloids and Surfaces B: Biointerfaces, 2019, 184, 110424.	5.0	6
210	Adsorption kinetic of myoglobin on mica and silica â€“ Role of electrostatic interactions. Colloids and Surfaces B: Biointerfaces, 2021, 198, 111436.	5.0	6
211	Myoglobin molecule charging in electrolyte solutions. Physical Chemistry Chemical Physics, 2020, 22, 26764-26775.	2.8	6
212	Adsorption of 1,3-Dioxane Derivatives at Mercury and Free Interfaces. Journal of Colloid and Interface Science, 1996, 178, 274-283.	9.4	5
213	Deposition of silver nanoparticles from suspensions containing tannic acid. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 477, 70-76.	4.7	5
214	Preparation of iron oxide nanoparticles doped by chromium for application in waterâ€“gas shift reaction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 523, 71-80.	4.7	5
215	Silver nanoparticle/fibrinogen bilayers â€“ Mechanism of formation and stability determined by in situ electrokinetic measurements. Journal of Colloid and Interface Science, 2018, 513, 170-179.	9.4	5
216	Formation, properties and stability of silver nanoparticle monolayers at PDADMAC modified polystyrene microparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 554, 317-325.	4.7	5

#	Article	IF	Citations
217	Formation of Strong Polycation (Poly[(3-allylamino-2-hydroxypropyl)trimethylammonium chloride]) Monolayers on Mica, Silica, and Gold Substrates: Modeling and Experimental Studies. Journal of Physical Chemistry C, 2019, 123, 19022-19032.	3.1	5
218	Carrageenan molecule conformations and electrokinetic properties in electrolyte solutions: Modeling and experimental measurements. Food Hydrocolloids, 2021, 121, 107033.	10.7	5
219	Deposition of Polymer Particles with Fibrinogen Corona at Abiotic Surfaces under Flow Conditions. Molecules, 2021, 26, 6299.	3.8	5
220	Effect of the surface charge on the defect transport kinetics through interfaces of ionic solids. Reactivity of Solids, 1987, 4, 139-150.	0.3	4
221	Mechanisms of Fibrinogen Adsorption on Mica. ACS Symposium Series, 2012, , 97-127.	0.5	4
222	pH-controlled desorption of silver nanoparticles from monolayers deposited on PAH-covered mica. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	4
223	Monolayers of Poly(styrene/Î±-tert-butoxy-Ï‰-vinylbenzyl-polyglycidol) Microparticles Formed by Controlled Self-Assembly with Potential Application as Protein-Repelling Substrates. Langmuir, 2016, 32, 9566-9574.	3.5	4
224	Macroion molecule properties from slender body hydrodynamics. Polymers for Advanced Technologies, 2021, 32, 3900-3908.	3.2	4
225	Human Vimentin Layers on Solid Substrates: Adsorption Kinetics and Corona Formation Investigations. Biomacromolecules, 2022, 23, 3308-3317.	5.4	4
226	Improvement of Wetting Properties of Colloid Silica Binders. Industrial & Engineering Chemistry Research, 2010, 49, 8532-8537.	3.7	3
227	Streaming potential studies of the adsorption of fluorescently-labeled poly(ethylene imine) onto mica. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 494, 256-265.	4.7	3
228	Microparticle Deposition on Human Serum Albumin Layers: Unraveling Anomalous Adsorption Mechanism. Colloids and Interfaces, 2020, 4, 51.	2.1	3
229	Formation of Myoglobin Corona at Polymer Microparticles. Colloids and Interfaces, 2021, 5, 27.	2.1	3
230	Kinetics of Particle and Protein Adsorption. , 2004, , 211-360.		3
231	Direct measurements of interaction forces between bodies bearing thin double-layers. Colloids and Surfaces, 1991, 57, 355-367.	0.9	2
232	Adsorption kinetics of a non-ionic surfactant on the stationary mercury electrode. Colloids and Surfaces, 1992, 66, 249-258.	0.9	2
233	Modelling and measurements of fibrinogen adsorption on positively charged microspheres. Condensed Matter Physics, 2016, 19, 13801.	0.7	2
234	A collection of papers presented at the International Symposium on Electrokinetic Phenomena Cracow, Poland, August 18â€“22, 2002. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 222, 1-4.	4.7	1

#	Article	IF	Citations
235	Significance of Particle Deposition. Interface Science and Technology, 2006, 9, 1-14.	3.3	1
236	Potential Interactions Among Particles. Interface Science and Technology, 2006, 9, 15-196.	3.3	1
237	Irreversible Adsorption of Particles on Surface Features of a Circular and Rectangular Shape. Adsorption Science and Technology, 2007, 25, 463-472.	3.2	1
238	Potential Interactions Among Particles. Interface Science and Technology, 2017, 20, 9-167.	3.3	1
239	Dissipative Interactions. Interface Science and Technology, 2017, , 169-325.	3.3	1
240	Transfer of Particles to Interfacesâ€"Linear Problems. Interface Science and Technology, 2017, , 327-511.	3.3	1
241	Tensammetric Determination of Adsorption Isotherms and Adsorption Kinetics of 2-Alkyl-5-hydroxy-1,3-dioxanes. Journal of Colloid and Interface Science, 1994, 163, 74-80.	9.4	0
242	Transfer of Particles to Interfaces â€“ Linear Problems. Interface Science and Technology, 2006, 9, 375-565.	3.3	0
243	Nonâ€“linear Transport of Particles. Interface Science and Technology, 2006, 9, 567-736.	3.3	0
244	Fibrinogen Monolayers of Controlled Coverage and Conformations for Biosensing Applications. Key Engineering Materials, 2014, 605, 243-246.	0.4	0
245	Significance of Particle Deposition. Interface Science and Technology, 2017, 20, 1-8.	3.3	0
246	Hematite/Polystyrene Raspberryâ€Like Microcomposites as Stable Support for Silver Nanoparticle Immobilization. Particle and Particle Systems Characterization, 2021, 38, 2000239.	2.3	0
247	Mechanism of Myoglobin Molecule Adsorption on Silica: QCM, OWLS and AFM Investigations. International Journal of Environmental Research and Public Health, 2021, 18, 4944.	2.6	0