

Systematics of multilayer adsorption phenomena on att

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Multicriticality of Wetting, Prewetting, and Surface Transitions. <i>Physical Review Letters</i> , 1982, 49, 1565-1568.	2.9	475
2	Renormalisation group for depinning transition ind=2 ising models. <i>European Physical Journal B</i> , 1983, 52, 243-246.	0.6	5
3	Surface induced disordering at first-order bulk transitions. <i>European Physical Journal B</i> , 1983, 51, 165-172.	0.6	40
4	Layered interfaces. <i>Journal of Crystal Growth</i> , 1983, 65, 59.	0.7	1
5	Equilibrium shapes of crystals in a gravitational field: Crystals on a table. <i>Journal of Statistical Physics</i> , 1983, 33, 493-522.	0.5	30
6	Surface phase diagrams for adsorption: From monolayers to thick-film behavior, including wetting, drying and roughening. <i>Surface Science Letters</i> , 1983, 125, A53.	0.1	0
7	Melting and wetting transitions in the three-state chiral clock model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1983, 121, 363-398.	1.2	60
8	Thermodynamics of xenon adsorption on Pd(s)[8(100) \bar{A} - (110)]: From steps to multilayers. <i>Surface Science</i> , 1983, 131, 61-91.	0.8	95
9	Structure and orientational ordering of nitrogen molecules physisorbed on graphite. <i>Surface Science</i> , 1983, 125, 116-152.	0.8	154
10	Phase transitions in multilayer films. <i>Surface Science</i> , 1983, 125, 253-264.	0.8	42
11	Surface phase diagrams for adsorption: From monolayers to thick-film behavior, including wetting, drying and roughening. <i>Surface Science</i> , 1983, 125, 284.	0.8	0
12	Wetting Transitions near Bulk Triple Points. <i>Physical Review Letters</i> , 1983, 51, 1772-1775.	2.9	100
13	Thermodynamic study of methane multilayers adsorbed on graphite. <i>Physical Review B</i> , 1983, 28, 3838-3848.	1.1	67
14	Ground state energy and structure of physisorbed monolayers of linear molecules. <i>Journal of Chemical Physics</i> , 1983, 79, 3148-3156.	1.2	56
15	Description of phases in a film-thickening transition. <i>Journal of Physics A</i> , 1983, 16, L333-L337.	1.6	14
16	Depinning transition and non-universal behaviour of defects in the two-dimensional Ising model: a unified treatment. <i>Journal of Physics A</i> , 1983, 16, L171-L177.	1.6	13
17	Depinning and wetting transitions in one and two dimensions. <i>Physical Review B</i> , 1983, 28, 2555-2560.	1.1	8
18	Continuous and first-order wetting transition from the van der Waals theory of fluids. <i>Physical Review B</i> , 1983, 27, 4288-4301.	1.1	115

#	ARTICLE	IF	CITATIONS
19	Effective field theory for interface delocalization transitions. <i>Physical Review B</i> , 1983, 27, 4499-4502.	1.1	208
20	Phase diagrams of multilayer films and the Potts lattice-gas model of adsorption. <i>Physical Review B</i> , 1983, 28, 2890-2892.	1.1	57
21	Complete and Incomplete Wetting in Multilayer Adsorption: High-Energy Electron-Diffraction Studies of Xe, Ar, N ₂ , and Ne Films on Graphite. <i>Physical Review Letters</i> , 1983, 51, 122-125.	2.9	109
22	Kinetic Depinning Transitions. <i>Physical Review Letters</i> , 1983, 51, 1780-1782.	2.9	19
23	Absence of Critical Wetting in Systems with Long-Range Forces. <i>Physical Review Letters</i> , 1983, 51, 1275-1278.	2.9	57
24	Experimental Evidence of a Roughening Transition in Adsorbed Xenon Multilayers. <i>Physical Review Letters</i> , 1983, 51, 782-785.	2.9	21
25	Critical point shifts in films. <i>Journal of Chemical Physics</i> , 1983, 78, 3279-3293.	1.2	343
26	Semi-infinite systems with first-order bulk transitions. <i>Physical Review B</i> , 1983, 28, 3983-3993.	1.1	256
27	Universality classes for the critical wetting transition in two dimensions. <i>Physical Review B</i> , 1983, 28, 5273-5280.	1.1	60
28	Epitaxy and thick-film formation on an attractive substrate: The systematics of a lattice-gas model. <i>Physical Review B</i> , 1983, 28, 4186-4197.	1.1	70
29	Neutron Diffraction from Ethylene Adsorbed on Graphite. <i>Physical Review Letters</i> , 1983, 51, 411-414.	2.9	71
30	Global Phase Diagram for the Wetting Transition at Interfaces in Fluid Mixtures. <i>Physical Review Letters</i> , 1983, 51, 2394-2397.	2.9	22
31	Direct Observation of Layer-by-Layer Wetting of Graphite by Ethylene. <i>Physical Review Letters</i> , 1983, 51, 407-410.	2.9	63
32	First-order wetting transition at a liquid-vapor interface. <i>Journal of Chemical Physics</i> , 1983, 79, 379-387.	1.2	108
33	Interface delocalization transitions in semi-infinite systems. <i>Physical Review B</i> , 1983, 28, 6435-6442.	1.1	25
34	Multilayer Solid Adsorption and The Roughening Transition. <i>Materials Research Society Symposia Proceedings</i> , 1983, 21, 597.	0.1	0
35	Boundary effects in the orientational ordering of adsorbed nitrogen. <i>Journal of Physics C: Solid State Physics</i> , 1984, 17, 4907-4926.	1.5	13
36	Generalised depinning transition in a solid-on-solid model. <i>Journal of Physics A</i> , 1984, 17, 3383-3388.	1.6	4

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37	Roughening transition in adsorbed xenon multilayers. <i>Journal of Chemical Physics</i> , 1984, 80, 2931-2938.	1.2	39
38	Commensurate melting, domain walls, and dislocations. <i>Physical Review B</i> , 1984, 29, 239-270.	1.1	231
39	Complete and incomplete wetting of krypton and oxygen on graphite: Reentrant type-2 growth on a scale of substrate strength. <i>Physical Review B</i> , 1984, 29, 983-987.	1.1	131
40	Order-disorder transitions, layering, and multicritical phenomena: A lattice-gas model. <i>Physical Review B</i> , 1984, 30, 1498-1505.	1.1	8
41	Complete and incomplete wetting by adsorbed solids. <i>Physical Review B</i> , 1984, 30, 209-214.	1.1	106
42	Molecular-Dynamics Calculations for Ethylene Adsorbed on Graphite. <i>Physical Review Letters</i> , 1984, 53, 818-821.	2.9	29
43	Wetting Transition in Solid Films: Reflection-High-Energy-Electron-Diffraction Study of Multilayers of CF ₄ Adsorbed on Graphite. <i>Physical Review Letters</i> , 1984, 52, 637-639.	2.9	41
44	Experimental Observation of the Increase of the Two-Dimensional Critical Temperature in Multilayer Adsorption. <i>Physical Review Letters</i> , 1984, 52, 2375-2378.	2.9	40
45	Triple-Point Wetting of Light Molecular Gases on Au(111) Surfaces. <i>Physical Review Letters</i> , 1984, 52, 640-643.	2.9	154
46	Critical Wetting in Systems with Long-Range Forces. <i>Physical Review Letters</i> , 1984, 52, 2303-2303.	2.9	41
47	Integral and Nonintegral Layer Formation in Multilayer Growth of Solid He ₄ on Grafoil. <i>Physical Review Letters</i> , 1984, 53, 802-805.	2.9	11
48	Wetting and nonwetting of molecular films at zero temperature. <i>Physical Review B</i> , 1984, 29, 5074-5080.	1.1	50
49	Renormalization-group analysis of layering transitions in solid films. <i>Physical Review B</i> , 1984, 30, 1371-1376.	1.1	57
50	Possible observation of surface and special transitions in mixtures. <i>Physical Review B</i> , 1984, 29, 1253-1257.	1.1	14
51	Incomplete wetting by adsorbed solid films. <i>Physical Review B</i> , 1984, 29, 6985-6987.	1.1	90
52	Surface-induced order and disorder: Critical phenomena at first-order phase transitions (invited). <i>Journal of Applied Physics</i> , 1984, 55, 2485-2490.	1.1	125
53	Wetting and growth behaviors in adsorbed systems with long-range forces. <i>Physical Review B</i> , 1984, 30, 3830-3840.	1.1	96
54	Upper Critical Dimension for Wetting in Systems with Long-Range Forces. <i>Physical Review Letters</i> , 1984, 52, 1429-1432.	2.9	118

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55	Interface delocalization transitions in finite systems. <i>Physical Review B</i> , 1984, 29, 5213-5215.	1.1	69
56	Surface critical phenomena in systems with a bulk phase transition. , 1984, , 169-190.		0
57	Statistical mechanics of equilibrium crystal shapes: Interfacial phase diagrams and phase transitions. <i>Physics Reports</i> , 1984, 103, 59-79.	10.3	318
58	Wetting, multilayer adsorption, and interface phase transitions. <i>Physica D: Nonlinear Phenomena</i> , 1984, 12, 351-359.	1.3	28
59	Edge pinning and internal phase transitions in a system of domain walls. <i>European Physical Journal B</i> , 1984, 54, 151-158.	0.6	10
60	Kinetic depinning transitions. <i>European Physical Journal B</i> , 1984, 55, 111-117.	0.6	10
61	Long-range correlations at depinning transitions. I. <i>European Physical Journal B</i> , 1984, 55, 335-343.	0.6	19
62	Long-range correlations at depinning transitions. <i>European Physical Journal B</i> , 1984, 55, 345-351.	0.6	35
63	Partially mobile adsorption of gases on solid surfaces. <i>Advances in Colloid and Interface Science</i> , 1984, 20, 273-339.	7.0	18
64	Mean-field results of a lattice-gas model of multilayer adsorption. <i>Chemical Physics Letters</i> , 1984, 110, 265-269.	1.2	5
65	Adsorption isotherms of simple gases on sodium fluoride: Significance of two-dimensional critical pressure. <i>Surface Science</i> , 1984, 148, 401-410.	0.8	10
66	Fluid adsorption up to the critical point. Experimental study of a wetting fluid/solid interface. <i>Journal of Chemical Physics</i> , 1984, 81, 3270-3276.	1.2	47
67	Heats of adsorption of methane multilayers on graphite. <i>Physical Review B</i> , 1984, 30, 3486-3489.	1.1	23
68	Multilayer adsorption of ethylene on graphite: Layering, prewetting, and wetting. <i>Physical Review B</i> , 1984, 30, 263-273.	1.1	75
69	Nucleation and growth of thin films. <i>Reports on Progress in Physics</i> , 1984, 47, 399-459.	8.1	2,493
70	Wetting phenomena with long-range forces. <i>Journal of Chemical Physics</i> , 1984, 81, 2463-2467.	1.2	32
71	Phase diagrams of multilayer adsorbed methane. <i>Surface Science</i> , 1984, 148, 187-199.	0.8	23
72	Topics in surface structure and crystal growth. <i>Surface Science</i> , 1984, 148, 212-224.	0.8	3

#	ARTICLE	IF	CITATIONS
73	The asymptotic interaction between H, H ₂ or a noble gas atom and the surface of NaCl, KCl or MgO. Surface Science, 1984, 145, 269-280.	0.8	28
74	Wetting transitions at triple points; A study based upon the analysis of stepwise adsorption isotherms. Surface Science, 1984, 147, 48-64.	0.8	21
75	Structural properties of a nonuniform classical fluid near a solid substrate. Surface Science, 1984, 147, 599-610.	0.8	8
76	Structure of a diatomic fluid near a wall. Molecular Physics, 1984, 51, 21-44.	0.8	21
77	The effect of surface solid on the propagation of sound through superfluid ⁴ He in Grafoil. Journal of Low Temperature Physics, 1985, 58, 533-543.	0.6	2
78	Layer-by-layer growth of neon adsorbed on exfoliated graphite. Surface Science Letters, 1985, 160, L524-L528.	0.1	0
80	Wetting: statics and dynamics. Reviews of Modern Physics, 1985, 57, 827-863.	16.4	6,203
81	The role of wetting films in capillary condensation and rise: Influence of long-range forces. Chemical Physics Letters, 1985, 114, 415-422.	1.2	82
82	Nonlinear growth of wetting layers. Journal of Physics A, 1985, 18, L585-L590.	1.6	81
83	Wetting of random substrates. Journal of Physics A, 1985, 18, L891-L895.	1.6	6
84	Low-temperature series analysis of multilayer adsorption at surfaces. Journal of Physics A, 1985, 18, L983-L988.	1.6	14
85	Roughening transition temperature in the presence of an adsorbing fluid. Physical Review B, 1985, 32, 4551-4555.	1.1	11
86	Multilayer wetting phenomenon at a binary liquid-vapor interface. I. Theory. Physical Review B, 1985, 32, 5987-5995.	1.1	7
87	Comment on "Substrate-Induced Orientational Order in the Isotropic Phase of Liquid Crystals". Physical Review Letters, 1985, 54, 2169-2169.	2.9	4
88	Critical wetting of surfaces in systems with long-range forces. Physical Review B, 1985, 31, 4718-4720.	1.1	94
89	Novel surface phase transition in nematic liquid crystals: Wetting and the Kosterlitz-Thouless transition. Physical Review Letters, 1985, 55, 2907-2910.	2.9	115
90	Incomplete wetting of He ⁴ films on Ag and Au(111) surfaces. Physical Review B, 1985, 31, 7643-7650.	1.1	45
91	Wetting by critical layers. Physical Review B, 1985, 31, 4701-4704.	1.1	15

#	ARTICLE	IF	CITATIONS
92	Thermodynamics of monolayer formation on an impure substrate: Random-field Ising-model approach. Physical Review B, 1985, 31, 4361-4368.	1.1	4
93	Dynamics of the critical wetting transition. Physical Review B, 1985, 31, 7434-7435.	1.1	7
94	Commensurate-incommensurate phase transitions and wetting in a lattice-gas model with axially competing interactions. Physical Review B, 1985, 32, 7453-7468.	1.1	19
95	Critical effects at complete wetting. Physical Review B, 1985, 32, 1731-1750.	1.1	129
96	Wetting of a disordered substrate. Physical Review B, 1985, 32, 4683-4686.	1.1	19
97	Examination of the necessity of complete wetting near critical points in systems with long-range forces. Physical Review B, 1985, 32, 3364-3366.	1.1	63
98	Capillary condensation versus prewetting. Physical Review A, 1985, 32, 3817-3820.	1.0	50
99	Wetting transitions in systems with van der Waals forces. Physical Review B, 1985, 32, 1558-1574.	1.1	61
100	Monte Carlo simulation of wetting transitions in the ferromagnetic Ising model. Journal of Applied Physics, 1985, 57, 3306-3308.	1.1	48
101	Critical and multicritical wetting phenomena in systems with long-range forces. Physical Review B, 1985, 31, 6134-6136.	1.1	38
102	Heat capacity and the wetting transition in multilayer films. Physical Review B, 1985, 32, 3312-3315.	1.1	2
103	Continuous and First-Order Wetting Transitions of hcpHe4Crystals. Physical Review Letters, 1985, 54, 2042-2044.	2.9	15
104	Depinning by Quenched Randomness. Physical Review Letters, 1985, 55, 2235-2238.	2.9	99
105	Universality classes for critical wetting. Physical Review B, 1985, 32, 1862-1865.	1.1	64
106	Adsorption of CCl ₄ on graphite. Physical Review B, 1985, 32, 1661-1672.	1.1	23
107	Wetting regimes at a semipermeable membrane. Physical Review A, 1985, 31, 1825-1829.	1.0	1
108	Wetting phenomena in the (3 Å ⁻¹) phase of a model for H on Fe(110). Surface Science, 1985, 154, 331-342.	0.8	23
109	Layer-by-layer growth of neon adsorbed on exfoliated graphite. Surface Science, 1985, 160, L524-L528.	0.8	10

#	ARTICLE	IF	CITATIONS
110	Wetting and multilayer adsorption. Surface Science, 1985, 162, 411-420.	0.8	55
111	Incomplete wetting of helium films. Surface Science, 1985, 162, 421-425.	0.8	13
112	A molecular field theory of smectic A liquid crystals. Molecular Physics, 1985, 56, 589-610.	0.8	46
113	On the approach to complete wetting by gas at a liquid-wall interface. Molecular Physics, 1985, 56, 1313-1356.	0.8	72
114	Phase diagram and phase transitions of monolayer and bilayer CF ₄ on graphite. Physical Review B, 1986, 34, 8050-8063.	1.1	32
115	Surface Melting and Roughening of Adsorbed Argon Films. Physical Review Letters, 1986, 57, 2959-2962.	2.9	230
116	Structure and growth of crystalline superlattices: From monolayer to superlattice. Physical Review B, 1986, 33, 3657-3671.	1.1	612
117	Methane adsorbed on graphite. III. The bilayer and trilayer. Physical Review B, 1986, 34, 2823-2833.	1.1	29
118	Influence of an adsorbing gas on the layering transitions in crystal growth. Surface Science, 1986, 173, 283-293.	0.8	2
119	A simple rate equation useful for adsorption systems: Analyses of thermal desorption spectra. Surface Science, 1986, 176, 193-218.	0.8	50
120	Competition between submonolayer ordering and multilayer adsorption: Studies of simple lattice gas models. Surface Science, 1986, 175, 421-443.	0.8	17
121	Size effect contributions to the chemical potential of a film. Surface Science, 1986, 172, 311-318.	0.8	14
122	The wetting transition and adsorption/desorption hysteresis for the CH ₄ /graphite system. Chemical Physics Letters, 1986, 124, 361-364.	1.2	20
123	Random surfaces in statistical mechanics: Roughening, rounding, wetting,.... Journal of Statistical Physics, 1986, 42, 743-798.	0.5	111
124	Diffraction studies on ethylene and ethylene-xenon films adsorbed on graphite. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1986, 136, 7-11.	0.9	0
125	Wetting phenomena in the two-dimensional ANNNI model in a field. European Physical Journal B, 1986, 65, 235-247.	0.6	18
126	Sum rule analysis of continuous wetting phenomena. Molecular Physics, 1986, 59, 1049-1066.	0.8	23
127	Phase transitions and renormalization group hamiltonian densities in the 80 dieriodic space groups. Phase Transitions, 1986, 7, 087-279.	0.6	30

#	ARTICLE	IF	CITATIONS
128	Kinetics of Instabilities in Solid Films. Europhysics Letters, 1986, 2, 61-66.	0.7	3
129	Effects of quenched disorder on layering transitions. Journal of Physics A, 1986, 19, L979-L983.	1.6	4
130	Re-entrant phenomena in thin film layering transitions. Journal of Physics A, 1986, 19, L455-L461.	1.6	5
131	Hartree and Jastrow approximations for monolayer solids of Ne, D ₂ , H ₂ , He ₄ , and He ₃ . Physical Review B, 1986, 33, 4584-4595.	1.1	57
132	Order of wetting transitions. Physical Review B, 1986, 33, 4952-4968.	1.1	72
133	Complete-wetting exponents from capillary-wave theory. Physical Review B, 1986, 33, 614-616.	1.1	2
134	Triple-point wetting of neon films. Physical Review B, 1986, 34, 6322-6325.	1.1	25
135	Complete wetting at a model fluid-argon-solids interface. Physical Review A, 1986, 34, 2513-2516.	1.0	16
136	Wetting of a glass substrate by a binary liquid mixture. Physical Review B, 1986, 33, 402-412.	1.1	39
137	Low-temperature structures of Xe on graphite in the one- to two-layer regime. Physical Review B, 1986, 33, 3344-3348.	1.1	35
138	Landau model for superfluid films and interfaces at T=0: Local interactions. Physical Review B, 1986, 34, 7704-7715.	1.1	28
139	Quantized layer growth at liquid-crystal surfaces. Physical Review Letters, 1986, 57, 94-97.	2.9	323
140	Order-Parameter Exponent β of a Binary Liquid Mixture at a Boundary. Physical Review Letters, 1986, 57, 2191-2194.	2.9	45
141	Significance of the bulk correlation length for wetting transitions. Physical Review B, 1986, 34, 6469-6480.	1.1	20
142	Multilayer adsorption and wetting: Ethylene on graphite. Physical Review B, 1986, 33, 5145-5148.	1.1	50
143	Critical Wetting with Short-Range Forces: Is Mean-Field Theory Valid?. Physical Review Letters, 1986, 56, 2272-2275.	2.9	148
144	Layering and Layer-Critical-Point Transitions of Ethylene on Graphite. Physical Review Letters, 1986, 57, 1456-1459.	2.9	30
145	Surface-suppressed electron resonance spectroscopies. Journal of Chemical Physics, 1986, 84, 1886-1900.	1.2	14

#	ARTICLE	IF	CITATIONS
146	Wetting in random systems. Physical Review Letters, 1986, 56, 472-475.	2.9	80
147	Finite-Size Effects on First-Order Phase Transitions: fcc Binary Alloys. Physical Review Letters, 1986, 57, 360-363.	2.9	18
148	Nonwetting growth and cluster formation of CF ₄ on graphite. Physical Review B, 1986, 34, 2056-2059.	1.1	15
149	Growth mode and phase transitions of multilayer nitrogen on graphite. Physical Review B, 1986, 33, 413-421.	1.1	32
150	Multilayer adsorption of oxygen on graphite near the triple point. Physical Review B, 1986, 33, 4758-4761.	1.1	47
151	A series approach to wetting and layering transitions. I. Potts models. Journal of Physics A, 1987, 20, 5635-5655.	1.6	3
152	Surface critical phenomena at first-order phase transitions. Ferroelectrics, 1987, 73, 69-81.	0.3	98
153	8. Adsorbed Monolayers and Intercalated Compounds. Methods in Experimental Physics, 1987, , 1-84.	0.1	1
154	Long-range semi-infinite models with critical behaviour controlled by a dynamical system. Journal of Physics A, 1987, 20, 2593-2614.	1.6	1
155	Dynamics of interfacial wetting near the roughening transition. Journal of Physics A, 1987, 20, L571-L577.	1.6	10
156	Wetting phenomena of binary liquid mixtures on chemically altered substrates. Physical Review Letters, 1987, 59, 555-558.	2.9	77
157	Effects of adsorption on equilibrium crystal shape: A zero-temperature calculation. Physical Review B, 1987, 36, 9068-9081.	1.1	25
158	Xe and K coadsorption on Ag (110): Observation of a wetting-to-nonwetting phase transition. Physical Review B, 1987, 36, 2421-2424.	1.1	13
159	Solid physically adsorbed films: A Potts lattice-gas-model study. Physical Review B, 1987, 36, 3683-3692.	1.1	19
160	Monte Carlo simulation of the growth of wetting layers. Physical Review B, 1987, 35, 3683-3685.	1.1	47
161	Scaling regimes and functional renormalization for wetting transitions. Physical Review B, 1987, 36, 2126-2141.	1.1	192
162	Layering and mixing in coadsorbed xenon-ethylene films on graphite. Physical Review B, 1987, 35, 2064-2067.	1.1	9
163	Critical-point dewetting. Physical Review B, 1987, 36, 7296-7299.	1.1	23

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164	Wetting of gold-plated quartz by liquidHe4. Physical Review B, 1987, 35, 6665-6669.	1.1	11
165	Theory of smectic wetting and layering. Physical Review A, 1987, 36, 992-995.	1.0	36
166	Z(N) model of grain-boundary wetting. Physical Review B, 1987, 35, 5030-5035.	1.1	21
167	Multilayer phase diagram ofCF4adsorbed on graphite. Physical Review B, 1987, 35, 3675-3678.	1.1	22
168	Wetting transitions for the Ar-CO2interface: Modified-hypernetted-chain and density-functional-theory results. Physical Review A, 1987, 35, 1210-1218.	1.0	42
169	Simple microscopic model of a microemulsion. Physical Review Letters, 1987, 59, 1205-1208.	2.9	74
170	Triple-point wetting and surface melting of oxygen films adsorbed on graphite. Physical Review Letters, 1987, 58, 583-586.	2.9	92
171	Chapter 3: The Surface of Helium Crystals. Progress in Low Temperature Physics, 1987, , 127-188.	0.2	5
172	Criteria for different growth modes of thin films. Surface Science, 1987, 185, L489-L496.	0.8	12
173	Structure and dynamics of an 2D hydrogen bonded adlayer " imidazole on grafoil. Surface Science, 1987, 191, 547-578.	0.8	6
174	Replica Bethe ansatz studies of two-dimensional interfaces with quenched random impurities. Nuclear Physics B, 1987, 290, 582-602.	0.9	316
175	Models of Thin Film Growth Modes. Jom, 1987, 39, 19-23.	0.9	22
176	Layering transitions at an interface in the Blume-Capel model. Journal of Physics A, 1987, 20, 2989-2999.	1.6	4
177	Critical wetting in three dimensions: A Ginzburg criterion. Physical Review Letters, 1987, 58, 1220-1223.	2.9	43
178	The dynamics approach to the wetting transition with short range forces. Physica A: Statistical Mechanics and Its Applications, 1987, 143, 54-86.	1.2	7
179	A new generalization of the sullivan model for wetting transitions. Physica A: Statistical Mechanics and Its Applications, 1987, 143, 87-113.	1.2	13
180	Wetting in Potts and Blume-Capel models. Journal of Statistical Physics, 1987, 46, 1015-1029.	0.5	25
181	Some aspects of the wetting transition1. Journal of Statistical Physics, 1987, 47, 801-825.	0.5	10

#	ARTICLE	IF	CITATIONS
182	The adsorption of Xenon on both low and high work-function metals. Applied Physics A: Materials Science and Processing, 1987, 44, 93-95.	1.1	11
183	Criteria for different growth modes of thin films. Surface Science Letters, 1987, 185, L489-L496.	0.1	2
184	Van der Waals theory of wetting with exponential interactions. Physica A: Statistical Mechanics and Its Applications, 1987, 141, 427-465.	1.2	18
185	Phase transitions in a confined lattice gas: Prewetting and capillary condensation. Physica A: Statistical Mechanics and Its Applications, 1987, 141, 187-210.	1.2	77
186	Critical temperature changes in many-layer films between plates. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 124, 495-499.	0.9	4
187	Effect of substrate impurities on layering transitions. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 123, 372-374.	0.9	0
188	Dynamics of wetting transitions: A time-dependent Ginzburg-Landau treatment. European Physical Journal B, 1987, 67, 369-385.	0.6	44
189	Quasi-wetting on a sphere. Physica A: Statistical Mechanics and Its Applications, 1988, 149, 622-630.	1.2	14
190	Wetting and layering in the nearest-neighbor simple-cubic Ising lattice: A Monte Carlo investigation. Physical Review B, 1988, 37, 1745-1765.	1.1	189
191	Layer critical points of multilayer ethane adsorbed on graphite. Physical Review B, 1988, 38, 5166-5169.	1.1	26
192	Neutron-scattering study of methane bilayer and trilayer films on graphite. Physical Review B, 1988, 37, 4735-4742.	1.1	49
193	Structural study and wetting behavior of ethane and tetrafluoromethane thick films adsorbed on graphite (0001). Surface Science, 1988, 204, 69-97.	0.8	12
194	Thin film morphology: Equilibrium between clusters and uniform layers at non-zero temperatures. Surface Science, 1988, 200, L427-L432.	0.8	18
195	Surface ferromagnetism in close-packed structures. Surface Science, 1988, 198, L299-L306.	0.8	3
196	Measurement of work function changes as a research method for structural phase transitions in adsorbate islands: Cu/Mo(011). Surface Science, 1988, 200, 335-341.	0.8	5
197	Superfluidity and film formation of ^4He on metal surfaces. Surface Science, 1988, 195, 133-137.	0.8	0
198	Wetting in a Three-Dimensional System: An Exact Solution. Physical Review Letters, 1988, 61, 1969-1972.	2.9	20
199	Inhomogeneous pair distribution functions and wetting transitions for a model Ar-CO ₂ interface. Physical Review A, 1988, 38, 515-518.	1.0	4

#	ARTICLE	IF	CITATIONS
200	Structure and adsorption at gas-solids interfaces: Layering transitions from a continuum theory. Journal of Chemical Physics, 1988, 89, 4412-4423.	1.2	102
201	Systematics of wetting and layering phenomena in smectic materials. Physical Review A, 1988, 38, 5342-5351.	1.0	47
202	Monte Carlo study of nonuniversal wetting behavior in (2+1) dimensions. Physical Review B, 1988, 37, 3821-3824.	1.1	37
203	Triple-point wetting of H ₂ films adsorbed on silver. Physical Review B, 1988, 37, 5440-5443.	1.1	32
204	Experimental study of the growth of liquid He-4 films on graphite. Physical Review B, 1988, 37, 7352-7358.	1.1	3
205	Anomalous layering of Fe(CO) ₅ adsorbed on graphite. Physical Review B, 1988, 37, 2266-2269.	1.1	8
206	Surface melting and the surface phase diagram. Physical Review B, 1988, 37, 7534-7540.	1.1	31
207	Complete wetting of helium on graphite. Physical Review B, 1988, 38, 8760-8766.	1.1	24
208	Dynamics of roughening and complete wetting. Physical Review B, 1988, 37, 5705-5712.	1.1	21
209	Evolution of multilayer Ar and Ne films from two-dimensional to bulk behavior. Physical Review B, 1988, 38, 11673-11687.	1.1	55
210	Phase transitions of ethylene on graphite. Physical Review B, 1988, 37, 3511-3523.	1.1	27
211	Density-functional theory of nematic and smectic-A order near surfaces. Physical Review A, 1988, 37, 1736-1746.	1.0	75
212	Mean-field theory of the semi-infinite spin-1 Ising model and adsorbed ³ He- ⁴ He mixtures. Journal of Physics C: Solid State Physics, 1988, 21, 995-1001.	1.5	10
213	A series approach to wetting and layering transitions. II. Solid-on-solid models. Journal of Physics A, 1988, 21, 159-171.	1.6	5
214	Disorder-induced first-order wetting transitions in two dimensions. Journal of Physics A, 1988, 21, L567-L571.	1.6	8
215	Possibility of Continuous Wetting Transition at the Liquid-Vapour Interface of the Binary Liquid Mixture Cyclohexane + Acetonitrile. Europhysics Letters, 1988, 7, 537-542.	0.7	19
216	Interface layering transitions in novel geometries. Journal of Physics A, 1988, 21, L1107-L1112.	1.6	2
217	Rate-equation study of nucleation and growth of thin films. II. Multilayer growth. Physical Review A, 1989, 40, 2096-2104.	1.0	10

#	ARTICLE	IF	CITATIONS
218	Wetting-nonwetting transitions in argon solvent clusters. <i>Physical Review Letters</i> , 1989, 62, 3058-3061.	2.9	50
219	Structural phase transitions of interacting membranes. <i>Physical Review A</i> , 1989, 40, 1025-1035.	1.0	44
220	Prewetting at a fluid-solid interface via Monte Carlo simulation. <i>Physical Review A</i> , 1989, 39, 6402-6408.	1.0	134
221	Classification of interfacial wetting behavior in binary liquid mixtures. <i>Physical Review B</i> , 1989, 40, 9204-9237.	1.1	43
222	Wetting and drying transitions at a fluid-wall interface: Density-functional theory versus computer simulation. <i>Physical Review A</i> , 1989, 40, 2567-2578.	1.0	92
223	Wetting and displacement of three-dimensional and two-dimensional layers on a foreign substrate. <i>Physical Review B</i> , 1989, 40, 779-782.	1.1	14
224	Wetting, dewetting, and reentrant wetting in Landau theory and lattice mean-field theory. <i>Physical Review B</i> , 1989, 40, 417-422.	1.1	12
225	Thin Methane Film Growing Mode on MgO/100 Surface. <i>Europhysics Letters</i> , 1989, 8, 459-464.	0.7	27
226	Thin-Thick Adsorption Phase Transitions and Competing Short-Range Forces. <i>Europhysics Letters</i> , 1989, 10, 165-170.	0.7	16
227	X-ray diffraction study of the structure of xenon multilayers on single crystal graphite. <i>European Physical Journal B</i> , 1989, 77, 413-419.	0.6	16
228	Kinetics of multilayer adsorption and desorption. <i>European Physical Journal D</i> , 1989, 39, 1378-1391.	0.4	4
229	Statistical mechanics of adsorption of polyatomic molecules on solid surfaces. <i>Advances in Colloid and Interface Science</i> , 1989, 30, 203-334.	7.0	13
230	An in-situ grazing incidence X-ray scattering study of the initial stages of electrochemical growth of lead on silver (111). <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 258, 403-414.	0.3	71
231	Adsorbed layer and thin film growth modes monitored by Auger electron spectroscopy. <i>Surface Science Reports</i> , 1989, 10, 277-356.	3.8	450
232	Methane adsorbed on graphite. IV. Multilayer growth at low temperature. <i>Physical Review B</i> , 1989, 39, 5425-5435.	1.1	30
233	Rate-equation study of nucleation and growth of thin films. I. Growth of one monolayer. <i>Physical Review A</i> , 1989, 40, 2088-2095.	1.0	14
234	Layering transitions in the chiral clock model: Bethe approximation. <i>Journal of Physics A</i> , 1989, 22, 117-128.	1.6	1
235	Wetting transitions near the bulk critical point: Monte Carlo simulations for the Ising model. <i>Physical Review B</i> , 1989, 40, 6971-6979.	1.1	120

#	ARTICLE	IF	CITATIONS
236	Two- and three-body forces in the interaction of He atoms with Xe overlayers adsorbed on (0001) graphite. <i>Journal of Chemical Physics</i> , 1989, 91, 6477-6493.	1.2	52
237	Adsorption-Induced Anchoring Transitions. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990, 179, 285-315.	0.3	23
238	Layering and Wetting Transitions in a Multilayer System. <i>Physica Scripta</i> , 1990, T33, 185-188.	1.2	1
239	Continuous-space Monte Carlo Study of Generalized Lattice-gas Model: Systems With and Without Lattice Mismatch. <i>Physica Scripta</i> , 1990, T33, 133-140.	1.2	0
240	Surface-induced disordering at first-order transitions in body-centered cubic binary alloys: A Monte-Carlo simulation. <i>European Physical Journal B</i> , 1990, 80, 401-413.	0.6	22
241	On the Thermodynamics of Surface Transitions Close to the Bulk Critical Point. <i>Physica Status Solidi (B): Basic Research</i> , 1990, 159, 675-687.	0.7	0
242	Wetting transitions and surface critical phenomena at solid-fluid interfaces. <i>Chemical Physics</i> , 1990, 149, 141-164.	0.9	5
243	Vibrational spectroscopy of rare gas adlayers. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1990, 54-55, 265-280.	0.8	18
244	Epitaxial growth of thin films studied by molecular dynamics simulation. <i>Superlattices and Microstructures</i> , 1990, 7, 39-46.	1.4	8
245	Theoretical study of layer by layer zero-order desorption rate. <i>Vacuum</i> , 1990, 41, 230-231.	1.6	3
246	Preparation of surfactant multilayer films on solid substrates by deposition from organic solution. <i>Thin Solid Films</i> , 1990, 185, 287-305.	0.8	107
247	Influence of krypton physisorption on the positron surface state lifetime: rates of positron trapping into cavities. <i>Journal of Physics Condensed Matter</i> , 1990, 2, 2081-2091.	0.7	8
248	Film growth and wetting of curved surfaces. <i>Physical Review A</i> , 1990, 41, 6838-6844.	1.0	7
249	Comment on "Surfaces and interfaces of lattice models: Mean-field theory as an area-preserving map". <i>Physical Review B</i> , 1990, 41, 9538-9539.	1.1	2
250	Wetting phenomena and colloidal aggregation in binary mixtures. <i>Physical Review A</i> , 1990, 41, 960-964.	1.0	29
251	Comparison of melting in three and two dimensions: Microscopy of colloidal spheres. <i>Physical Review B</i> , 1990, 42, 688-703.	1.1	172
252	Critical behavior in anchoring transitions of nematic liquid crystals. <i>Physical Review Letters</i> , 1990, 64, 1911-1914.	2.9	43
253	Reentrant first-order layering transitions in multilayer argon films on graphite. <i>Physical Review Letters</i> , 1990, 64, 918-921.	2.9	74

#	ARTICLE	IF	CITATIONS
254	Continuous-space Monte Carlo study of a generalized lattice-gas model. <i>Physical Review B</i> , 1990, 41, 2321-2325.	1.1	3
255	Effect of wetting on light scattering in binary-mixture films. <i>Physical Review A</i> , 1990, 41, 5495-5503.	1.0	0
256	Wetting transitions at the argon-solids interface: Molecular-dynamics studies. <i>Physical Review A</i> , 1990, 41, 6866-6870.	1.0	52
257	Diffusion of indium along [001] Sn-Ge interphase boundaries: Prewetting phase transition and critical phenomena. <i>Journal of the Less Common Metals</i> , 1990, 159, 43-52.	0.9	10
258	Multilayer lattice gas model in the quasichemical approximation. <i>Surface Science</i> , 1990, 230, 323-328.	0.8	14
259	Lattice gas models for multilayer adsorption: variation of phase diagrams with the strength of the substrate potential. <i>Surface Science</i> , 1990, 238, 317-329.	0.8	47
260	Surface-induced melting and freezing II. A semi-empirical Landau-type model. <i>Surface Science</i> , 1990, 239, 282-300.	0.8	179
261	Electronic structure, magnetism and growth of ultrathin films of transition metals. <i>Surface Science</i> , 1991, 249, 265-280.	0.8	53
262	Wetting phenomena on external and internal interfaces in solids: common features and peculiarities. <i>Surface Science</i> , 1991, 251-252, 674-679.	0.8	1
263	Inadequacy of Lifshitz theory for thin liquid films. <i>Physical Review Letters</i> , 1991, 66, 2084-2087.	2.9	127
264	Surface effects and anchoring in liquid crystals. <i>Reports on Progress in Physics</i> , 1991, 54, 391-451.	8.1	866
265	Phase Transitions at Internal Interfaces. <i>Materials Research Society Symposia Proceedings</i> , 1991, 238, 191.	0.1	1
266	Critical Behavior of Interfaces: Roughening and Wetting Phenomena. <i>Materials Research Society Symposia Proceedings</i> , 1991, 237, 11.	0.1	1
267	Critical behavior of the field-induced molecular tilt near the nematic-chiral-smectic-A transition. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1991, 155, 435-439.	0.9	10
268	Wetting and adsorption at substrates and grain boundaries. <i>Physica Scripta</i> , 1991, T35, 31-33.	1.2	9
269	Phase transitions between partial wetting states in the Landau theory and the Van der Waals theory of adsorbed fluids. <i>Journal of Physics Condensed Matter</i> , 1991, 3, 9797-9810.	0.7	10
270	Wetting films on chemically modified surfaces: An x-ray study. <i>Physical Review B</i> , 1991, 44, 10869-10879.	1.1	48
271	Reentrant disordered phase in two-layer films of Kr on graphite. <i>Physical Review B</i> , 1991, 44, 3365-3368.	1.1	16

#	ARTICLE	IF	CITATIONS
272	Nature of the surface-induced order above the direct isotropic to chiral-smectic-A transition. <i>Physical Review A</i> , 1991, 44, 2749-2751.	1.0	14
273	Multilayer growth and wetting behavior of nitrogen physisorbed on graphite. <i>Physical Review Letters</i> , 1991, 66, 473-476.	2.9	24
274	Numerical study of an effective interface model for the growth of wetting layers. <i>Physical Review B</i> , 1991, 43, 3143-3146.	1.1	3
275	Wetting at triple junctions and the universality of wetting near critical points. <i>Physical Review B</i> , 1991, 44, 11437-11440.	1.1	0
276	New types of phase transitions in physisorbed films. <i>Phase Transitions</i> , 1991, 30, 69-77.	0.6	1
277	Anchoring Transitions. <i>Molecular Crystals and Liquid Crystals</i> , 1991, 199, 167-187.	0.7	28
278	Molecular Layering on a Fluid Substrate. <i>Europhysics Letters</i> , 1992, 20, 235-239.	0.7	15
279	Triple-point wetting of multilayer films physisorbed on graphite. <i>Physical Review B</i> , 1992, 45, 9347-9356.	1.1	20
280	Molecular dynamics of a microscopic droplet on solid surface. <i>Physical Review Letters</i> , 1992, 69, 124-127.	2.9	110
281	Nonmonotonic behavior of a contact angle on approaching critical end points. <i>Physical Review A</i> , 1992, 46, 3369-3372.	1.0	7
282	A search for the wetting transition in 2,6-dimethyl pyridine/water mixtures in contact with glass near the lower critical point. <i>Journal of Chemical Physics</i> , 1992, 97, 7757-7760.	1.2	8
283	Surface properties of semi-infinite diblock copolymer melts. <i>Journal of Chemical Physics</i> , 1992, 97, 4496-4504.	1.2	22
284	Wetting versus layering near the roughening transition in the three-dimensional Ising model. <i>Physical Review B</i> , 1992, 46, 4844-4854.	1.1	29
285	Phases and Phase Transitions in the First Few Layers of Methane, Argon and Krypton Adsorbed on Graphite. <i>Materials Research Society Symposia Proceedings</i> , 1992, 280, 319.	0.1	0
287	Ethanol on graphite: The influence of hydrogen bonding on surface melting. <i>Physical Review Letters</i> , 1992, 69, 89-92.	2.9	25
288	Dynamics of multilayer adsorption: a Monte Carlo simulation. <i>Surface Science</i> , 1992, 273, 413-426.	0.8	22
289	Theory of a multilayer adsorption system. <i>Surface Science</i> , 1992, 278, 202-217.	0.8	11
290	Ordering of thin diblock copolymer films. <i>Physical Review Letters</i> , 1992, 68, 67-70.	2.9	174

#	ARTICLE	IF	CITATIONS
291	Evidence for the absence of ^4He adsorption on cesium coated graphite surface. <i>Journal of Low Temperature Physics</i> , 1992, 87, 113-123.	0.6	36
292	Clustering on surfaces. <i>Surface Science Reports</i> , 1992, 16, 377-463.	3.8	644
293	Monte carlo simulations of adsorption equilibria at states near bulk fluid phase boundaries. <i>Fluid Phase Equilibria</i> , 1992, 75, 163-183.	1.4	3
294	Wetting at the grain boundary in the planar Ising model. <i>European Physical Journal B</i> , 1992, 87, 355-358.	0.6	2
295	Mixed alkanethiol monolayers on gold surfaces: Wetting and stability studies. <i>Advances in Colloid and Interface Science</i> , 1992, 39, 175-224.	7.0	52
296	Dynamics of spreading and wetting: A statistical mechanical point of view. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1993, 80, 131-135.	2.3	6
297	Nonwetting and sticking of the heavy rare gases on potassium surfaces. <i>Surface Science</i> , 1993, 298, L173-L180.	0.8	8
298	Growth mechanisms of C_{60} -molecular beam epitaxy on mica. <i>Surface Science</i> , 1993, 289, 381-388.	0.8	51
299	High-temperature morphology of stepped gold surfaces. <i>Surface Science</i> , 1993, 280, 335-348.	0.8	21
300	Phase transitions in multiple adsorption layer systems. <i>Surface Science</i> , 1993, 283, 371-376.	0.8	6
301	Wetting and layering in critical binary fluid mixtures. <i>Journal of Chemical Physics</i> , 1993, 99, 7115-7123.	1.2	18
302	Roughening transition in the Blume-Emery-Griffiths model. <i>Journal of Physics A</i> , 1993, 26, 5695-5704.	1.6	3
303	Surface ordering and its influence on electro-optic properties of chiral smectic compounds. <i>Ferroelectrics</i> , 1993, 148, 357-368.	0.3	0
304	Scaling Properties of the Surface Tension of Isobutyric-Acid-Water Mixtures. <i>Europhysics Letters</i> , 1993, 24, 557-562.	0.7	14
305	Low-temperature expansion for a first-order surface transition. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 7319-7323.	0.7	1
306	Further studies of prewetting transitions via Monte Carlo simulation. <i>Journal of Chemical Physics</i> , 1993, 99, 6897-6906.	1.2	49
307	Phase transitions in argon films. <i>Physical Review B</i> , 1993, 47, 10716-10726.	1.1	33
308	Wetting transitions and other wetting properties of water- α -2,5 lutidine system. <i>Journal of Chemical Physics</i> , 1993, 98, 5028-5038.	1.2	13

#	ARTICLE	IF	CITATIONS
309	Phase transitions of a confined complex fluid. <i>Physical Review E</i> , 1993, 48, 1882-1888.	0.8	27
310	Why do vertical steps reappear in adsorption isotherms?. <i>Physical Review Letters</i> , 1993, 71, 2971-2974.	2.9	37
311	Wetting transitions of classical liquid films: A nearly universal trend. <i>Physical Review B</i> , 1993, 48, 18214-18221.	1.1	25
312	Reversible flocculation of silica colloids in liquid mixtures. <i>Physical Review E</i> , 1993, 48, 1989-1994.	0.8	40
313	Bulk and interfacial wetting properties of binary liquid mixtures. <i>Physical Review E</i> , 1993, 47, 1856-1875.	0.8	28
314	Roughening of chemically reacting interfaces. <i>Physical Review E</i> , 1993, 47, 1604-1609.	0.8	13
315	Effect of long-range forces on surface enrichment in polymer blends. <i>Physical Review E</i> , 1993, 47, 1437-1440.	0.8	34
316	Incomplete melting of the Au(100) surface. <i>Physical Review B</i> , 1993, 48, 11240-11248.	1.1	38
317	Thermodynamic study of argon films adsorbed on boron nitride. <i>Physical Review B</i> , 1993, 47, 6685-6696.	1.1	28
318	Influence of surface energetic heterogeneity on the formation of adsorbed layers and wetting of solid surfaces: A Monte Carlo study. <i>Physical Review B</i> , 1993, 48, 14454-14462.	1.1	11
319	Liquid films on heterogeneous surfaces: a density functional approach. <i>Molecular Physics</i> , 1994, 83, 19-29.	0.8	14
320	Layering transitions in the Abraham model. <i>Journal of Physics A</i> , 1994, 27, 2939-2952.	1.6	0
321	The Role of Spin Anisotropy in the Unbinding of Interfaces. <i>Europhysics Letters</i> , 1994, 28, 465-469.	0.7	3
322	Surface melting and layering transitions from a lattice-gas model. <i>Physical Review B</i> , 1994, 50, 11146-11150.	1.1	7
323	Adsorption on a stepped substrate. <i>Physical Review B</i> , 1994, 50, 7925-7931.	1.1	13
324	Smectic layer transitions at the surface of an isotropic liquid. <i>Physical Review Letters</i> , 1994, 72, 3674-3677.	2.9	37
325	Influence of substrate heterogeneities on the spreading of a drop. <i>Physical Review E</i> , 1994, 49, 4149-4153.	0.8	19
326	Layering transitions in Ising model thin films. A real space renormalization group analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1994, 206, 196-206.	1.2	23

#	ARTICLE	IF	CITATIONS
327	The crossover from strong to intermediate substrate regimes in multilayer adsorption. Thin Solid Films, 1994, 238, 302-311.	0.8	11
328	Surface effects on spinodal decomposition in binary mixtures and the interplay with wetting phenomena. Physical Review E, 1994, 49, 5359-5377.	0.8	104
329	Effects of random quenched impurities on wetting of solids: a Monte Carlo study. Surface Science, 1994, 318, 413-420.	0.8	11
330	Monte Carlo study of multilayer adsorption on surfaces with preadsorbed particles. Surface Science, 1994, 314, 129-143.	0.8	13
331	Quartz crystal microbalance and synchrotron X-ray reflectivity study of water and liquid xenon adsorbed on gold and quartz. Surface Science, 1994, 306, 359-366.	0.8	12
332	Influence of surface energetical heterogeneity on capillary condensation in slit-like pores: a Monte Carlo study. Surface Science, 1994, 306, 434-446.	0.8	22
333	Ellipsometric studies of wetting on low-energy surfaces. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1994, 98, 405-408.	0.9	4
334	Wetting and layering transitions in liquid crystals. Physical Review E, 1995, 52, 5017-5027.	0.8	37
335	X-ray reflectivity measurements and Landau theory of smectic wetting in liquid crystal-benzyl alcohol mixtures. Physical Review E, 1995, 51, 4709-4726.	0.8	36
336	Critical adsorption in the undersaturated regime. Physical Review E, 1995, 52, 4129-4133.	0.8	34
337	Phase transitions of argon multilayer films on graphite: Evolution from multilayer film to bulk solid. Physical Review B, 1995, 51, 17023-17027.	1.1	22
338	Freezing transitions and order-disorder processes in multilayer xenon films on graphite. Physical Review B, 1995, 52, 11335-11338.	1.1	1
339	Nucleation and Wetting near Surface Spinodals. Physical Review Letters, 1995, 74, 3844-3847.	2.9	24
340	Magnetic properties of a superlattice of amorphous multilayered films. Physical Review B, 1995, 52, 4245-4255.	1.1	12
341	Multilayer adsorption of binary mixtures: mean-field theory and Monte Carlo simulation. Surface Science, 1995, 340, 179-189.	0.8	19
342	The liquid-vapour phase transition in fluid mercury. Advances in Physics, 1995, 44, 3-19.	35.9	55
343	Adsorption in a spherical cavity. Physical Review E, 1995, 52, 758-762.	0.8	28
344	Interplay of wetting and adsorption at mixed self-assembled monolayers. Journal of Chemical Physics, 1995, 102, 6865-6873.	1.2	25

#	ARTICLE	IF	CITATIONS
345	Chapter III Phase transitions at surfaces. Cohesion and Structure, 1995, 4, 121-283.	0.0	26
346	The Structure of Physically Adsorbed Phases. Handbook of Surface Science, 1996, , 503-575.	0.3	9
347	Effects of Random Quenched Impurities on Layering Transitions: A Monte Carlo Study. Langmuir, 1996, 12, 159-169.	1.6	10
348	Critical behaviour in liquid mercury. Journal of Non-Crystalline Solids, 1996, 205-207, 231-238.	1.5	14
349	Chapter 2.11 Phase transitions in adsorbed layers. Studies in Surface Science and Catalysis, 1996, 99, 599-627.	1.5	5
350	Adsorption isotherm study of multilayer N ₂ films on BN. Physical Review B, 1996, 54, 17102-17107.	1.1	10
351	Adsorption isotherms and thermal fluctuations. Physical Review B, 1996, 53, 2073-2082.	1.1	36
352	Theory of first-order layering transitions in thin helium films. Physical Review B, 1996, 54, 6532-6538.	1.1	11
353	Decorated lattice models for surface phase transitions. Molecular Physics, 1996, 88, 1541-1561.	0.8	2
354	Surface melting and preroughening of argon: An X-ray reflection study. Europhysics Letters, 1997, 37, 565-570.	0.7	23
355	Theoretical study of the prewetting transition in polymer blends. Journal of Chemical Physics, 1997, 106, 4282-4290.	1.2	4
356	Thermodynamics of boson quantum films. Physical Review B, 1997, 55, 3769-3791.	1.1	16
357	Prewetting transition influenced by layeringlike transitions at a binary liquid/solid interface. Journal of Chemical Physics, 1997, 107, 6936-6944.	1.2	12
358	Growth kinetics of Ar monolayers physisorbed on graphite (001). Surface Science, 1997, 383, 362-369.	0.8	2
359	Monte-Carlo simulation of mixed multilayer adsorption. Thin Solid Films, 1997, 304, 344-352.	0.8	10
360	Monte Carlo study of adsorption in energetically and geometrically nonuniform slit-like pores. Thin Solid Films, 1997, 298, 22-32.	0.8	17
361	Phase Diagram and Free Energies of Vapor Films and Tubes for a Confined Fluid. International Journal of Thermophysics, 1998, 19, 845-855.	1.0	48
362	Wetting Phenomena in bcc Binary Alloys. International Journal of Thermophysics, 1998, 19, 1219-1228.	1.0	4

#	ARTICLE	IF	CITATIONS
363	The effects of prewetting and wetting transitions on the surface energy of liquid binary alloys. <i>Acta Materialia</i> , 1998, 46, 2337-2347.	3.8	53
364	Coupled Hamiltonians and three-dimensional short-range wetting transitions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 250, 167-230.	1.2	14
365	Quantum phase transition in spin glasses with multi-spin interactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 250, 8-45.	1.2	40
366	Thin film deposition: fundamentals and modeling. <i>Computational Materials Science</i> , 1998, 12, 354-380.	1.4	112
367	Experimental Evidence of Pure Layering at the Solid/Liquid Binary Mixture Interface. Silica/Water \sim 2,5-Dimethylpyridine System. <i>Langmuir</i> , 1998, 14, 2402-2409.	1.6	14
368	Ellipsometric Study of Multilayer Growth and Wetting of C ₂ Cl ₂ F ₄ Physisorbed on Graphite. <i>Langmuir</i> , 1998, 14, 4904-4907.	1.6	6
369	Layering Transitions at the Free Surface of a Smectic Liquid Crystal. <i>Journal of Physical Chemistry B</i> , 1998, 102, 6861-6864.	1.2	17
370	Prewetting and density fluctuations in the prewetting supercritical phase. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 9431-9442.	0.7	8
371	Superfluid onset and prewetting of ⁴ He on rubidium. <i>Physical Review B</i> , 1998, 58, 3361-3370.	1.1	46
372	Multilayer adsorption of deuterium hydride on graphite. <i>Physical Review B</i> , 1998, 57, 6720-6730.	1.1	9
373	Triple-Point Wetting and Liquid Condensation in a Slit Pore. <i>Physical Review Letters</i> , 1999, 83, 1371-1374.	2.9	20
374	Interplay between Anchoring and Wetting at a Nematic-Substrate Interface. <i>Physical Review Letters</i> , 1999, 82, 2697-2700.	2.9	26
375	Wetting transitions of Ne. <i>Physical Review E</i> , 1999, 59, 864-873.	0.8	50
376	Layer-by-layer versus surfactant dissolution modes in heteroepitaxy. <i>Physical Review B</i> , 1999, 60, 13890-13901.	1.1	22
377	Multilayer Kr films adsorbed on BN. <i>Physical Review B</i> , 1999, 60, 16103-16108.	1.1	9
378	Simulations of coexistence between layered phases in planar slits. <i>Molecular Physics</i> , 1999, 96, 189-200.	0.8	9
379	Effects of Amorphization and Anisotropy in Surfaces of Thin Films. <i>Physica Scripta</i> , 1999, 59, 162-167.	1.2	2
380	Monte Carlo simulation of mixed multilayer adsorption II: layering transitions and wetting phenomena in non-ideal mixtures. <i>Thin Solid Films</i> , 1999, 352, 259-268.	0.8	14

#	ARTICLE	IF	CITATIONS
381	Phase separation in confined systems. Reports on Progress in Physics, 1999, 62, 1573-1659.	8.1	1,469
382	Lennard-Jones Fluid Mixtures in Contact with Semipermeable Membranes. A Density Functional Approach. Journal of Physical Chemistry B, 1999, 103, 3366-3372.	1.2	12
383	Adsorption of Associating Fluids on Solid Surfaces: A Wetting Transition from Density Functional Theory. Journal of Physical Chemistry B, 1999, 103, 4466-4473.	1.2	28
384	The Wetting Transition Associated with the Adsorption of a Gas on a Rough Surface. Langmuir, 1999, 15, 6026-6034.	1.6	13
385	Synchrotron X-ray Diffraction Studies of Multilayer Nitrogen Physisorbed on Porous Graphite Foam. Langmuir, 1999, 15, 1423-1428.	1.6	5
386	Wetting of Crystalline Solids by Associating Fluids. Journal of Colloid and Interface Science, 2000, 225, 147-153.	5.0	1
387	Monte Carlo simulation of mixed multilayer adsorption: layering transitions and wetting phenomena in non-ideal mixtures. Thin Solid Films, 2000, 379, 297-307.	0.8	8
388	Reactive spreading: adsorption, ridging and compound formation. Acta Materialia, 2000, 48, 4449-4462.	3.8	146
389	Wetting and non-wetting near critical points in solids. Physica A: Statistical Mechanics and Its Applications, 2000, 279, 195-202.	1.2	14
390	Phase transitions in adsorbed layers formed on crystals of square and rectangular surface lattice. Surface Science Reports, 2000, 37, 207-344.	3.8	160
391	Application of the density functional method to study adsorption and phase transitions in two-site associating, Lennard-Jones fluids in cylindrical pores. Journal of Physics Condensed Matter, 2000, 12, 8785-8800.	0.7	17
392	Threshold criterion for wetting at the triple point. Physical Review E, 2000, 61, 1670-1675.	0.8	38
393	Phase Behavior of Associating Two- and Four-Bonding Sites Lennard-Jones Fluid in Contact with Solid Surfaces. Journal of Physical Chemistry B, 2000, 104, 7756-7763.	1.2	28
394	Wetting transitions. Reports on Progress in Physics, 2001, 64, 1085-1163.	8.1	344
395	Surface energy, adsorption, and wetting transitions in ternary liquid alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2001, 32, 2851-2858.	1.1	11
396	Wetting, adsorption and surface critical phenomena. Progress in Surface Science, 2001, 66, 159-216.	3.8	92
397	Adsorption and Phase Transitions in Slit-like Pores with Differently Adsorbing Walls. Journal of Colloid and Interface Science, 2001, 240, 219-223.	5.0	5
398	Title is missing!. Colloid Journal, 2001, 63, 540-549.	0.5	2

#	ARTICLE	IF	CITATIONS
399	EFFECTIVE INTERFACE MODELS FOR WETTING. Modern Physics Letters B, 2001, 15, 993-1021.	1.0	4
400	Wetting transition and pretransitional thin films in binary liquids: alcohol/perfluoromethylcyclohexane mixtures studied by x-ray reflectivity. Journal of Physics Condensed Matter, 2001, 13, 5563-5576.	0.7	7
401	Phase behaviour of fluids confined between chemically decorated substrates. Journal of Physics Condensed Matter, 2001, 13, 4697-4714.	0.7	27
402	X-ray reflectivity study of smectic wetting and prewetting at the free surface of isotropic liquid crystals. Physical Review E, 2001, 63, 041704.	0.8	20
403	Wetting of methanol on the n-alkanes: Observation of short-range critical wetting. Journal of Chemical Physics, 2001, 114, 2784-2792.	1.2	22
404	Edge wetting of an Ising three-dimensional system. Physical Review E, 2002, 66, 056117.	0.8	30
405	Multilayer properties of superficial and intergranular segregation isotherms: A mean-field approach. Physical Review B, 2002, 65, .	1.1	18
406	Wetting in ternary mixtures with and without amphiphiles. Journal of Chemical Physics, 2002, 117, 7284-7294.	1.2	3
407	Liquid meniscus condensation in dip-pen nanolithography. Journal of Chemical Physics, 2002, 116, 3875-3886.	1.2	94
408	Phase behavior of films adsorbed on model crystal surfaces. Journal of Chemical Physics, 2002, 117, 3369-3382.	1.2	9
409	Monte Carlo simulation of adsorption on preadsorbed layers. Surface Science, 2002, 506, 47-65.	0.8	7
410	Wetting of a corrugated surface 3D Ising model. Physica A: Statistical Mechanics and Its Applications, 2002, 303, 525-533.	1.2	11
411	The Statistical Mechanics of Semiflexible Equilibrium Polymers. Journal of Statistical Physics, 2003, 110, 1219-1248.	0.5	5
412	Surface coupling effect on wetting and layering transitions. Surface Science, 2003, 536, 114-120.	0.8	31
413	Layering sublimation transitions of the spin-1 Blume-Emery-Griffiths model in a transverse field. Physica A: Statistical Mechanics and Its Applications, 2003, 326, 220-232.	1.2	12
414	Capillary Force on a Nanoscale Tip in Dip-Pen Nanolithography. Physical Review Letters, 2003, 90, 156104.	2.9	78
415	Wetting behaviour of a model symmetric binary mixture with partially miscible components from a density functional approach. Molecular Physics, 2003, 101, 1477-1486.	0.8	8
416	Wetting behavior of associating binary mixtures at attractive walls: A lattice Monte Carlo study. Physical Review E, 2003, 67, 061603.	0.8	10

#	ARTICLE	IF	CITATIONS
417	Multilayer Adsorption and Wetting of Acetone on Graphite. <i>Physical Review Letters</i> , 2003, 91, 085502.	2.9	15
418	Surface and capillary transitions in an associating binary mixture model. <i>Physical Review E</i> , 2003, 67, 041502.	0.8	2
420	The wetting of planar solid surfaces by symmetric binary mixtures near bulk gas-liquid coexistence. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 4761-4783.	0.7	7
421	Wetting of a selective solid surface by an asymmetric binary mixture. <i>Physical Review E</i> , 2004, 69, 031606.	0.8	10
422	Microscopic approach to critical phenomena at interfaces: An application to complete wetting in the Ising model. <i>Physical Review E</i> , 2004, 70, 051611.	0.8	3
423	How Narrow Can a Meniscus Be?. <i>Physical Review Letters</i> , 2004, 92, 085504.	2.9	92
424	Confinement effect on the adsorption from a binary liquid system near liquid/liquid phase separation. <i>Journal of Chemical Physics</i> , 2004, 120, 11864-11873.	1.2	32
425	Lennard-Jones fluids confined in nanoscopic slits: Evidence for reentrant filling transitions. <i>European Physical Journal E</i> , 2004, 13, 261-265.	0.7	9
426	Sputtering and annealing effect of sapphire substrate for an orientation of lead phthalocyanine films. <i>Surface Science</i> , 2004, 571, 117-127.	0.8	9
427	Prewetting Transitions for a Model Argon on Solid Carbon Dioxide System. <i>Langmuir</i> , 2004, 20, 3798-3804.	1.6	76
428	Capillary force in atomic force microscopy. <i>Journal of Chemical Physics</i> , 2004, 120, 1157-1160.	1.2	127
429	Phase behavior of linear trimers confined to a narrow slit. <i>Physical Review B</i> , 2004, 69, .	1.1	2
430	Water in nanopores: II. The liquid-vapour phase transition near hydrophobic surfaces. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S5345-S5370.	0.7	61
431	A Monte Carlo study of random surface field effect on layering transitions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 358, 86-92.	1.2	30
432	Effect of the inhomogeneity of substrate on wetting transitions. <i>Thin Solid Films</i> , 2005, 489, 336-343.	0.8	2
433	Surface critical behavior of fluids: Lennard-Jones fluid near a weakly attractive substrate. <i>European Physical Journal B</i> , 2005, 44, 345-358.	0.6	28
434	Melting of Krypton Layers Adsorbed in Cylindrical Pores. <i>Journal of Low Temperature Physics</i> , 2005, 139, 591-598.	0.6	4
435	Triple-point wetting of molecular hydrogen isotopes. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S415-S428.	0.7	8

#	ARTICLE	IF	CITATIONS
436	Drying layer near a weakly attractive surface. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 7845-7866.	0.7	14
437	Mechanism of adsorption in cylindrical nanopores: The roles of fluctuations and correlations in stabilizing the adsorbed phase. <i>Journal of Chemical Physics</i> , 2005, 123, 174711.	1.2	8
438	Layered interfaces between immiscible liquids studied by density-functional theory and molecular-dynamics simulations. <i>Journal of Chemical Physics</i> , 2005, 123, 204711.	1.2	24
439	The physics of premelted ice and its geophysical consequences. <i>Reviews of Modern Physics</i> , 2006, 78, 695-741.	16.4	593
440	Atomic-Scale Roughness Effect on Capillary Force in Atomic Force Microscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 659-662.	1.2	49
441	Wetting and layering transitions in magnetic films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 2981-2988.	0.8	1
442	Pressure-balance and diffuse-interface models for surficial amorphous films. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 422, 19-28.	2.6	41
443	Continuum modelling and representations of interfaces and their transitions in materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 422, 102-114.	2.6	38
444	Intergranular films at Au-sapphire interfaces. <i>Journal of Materials Science</i> , 2006, 41, 7775-7784.	1.7	54
445	Critical point dewetting observed in the liquid Seâ€“Ti system on a quartz substrate. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 8449-8469.	0.7	4
446	Self-consistent field study of the alignment by an electric field of a cylindrical phase of block copolymer. <i>Journal of Chemical Physics</i> , 2006, 125, 034902.	1.2	21
447	Phase diagram and commensurate-incommensurate transitions in the phase field crystal model with an external pinning potential. <i>Physical Review E</i> , 2006, 74, 021104.	0.8	53
448	Grand canonical Monte Carlo simulation study of capillary condensation between nanoparticles. <i>Journal of Chemical Physics</i> , 2007, 127, 134702.	1.2	7
449	Effect of a fluid-wall interaction on a drying layer. <i>Physical Review E</i> , 2007, 76, 041603.	0.8	11
450	Unified theory of adsorption, pore-filling and wetting. <i>Physical Review B</i> , 2007, 75, .	1.1	3
451	Monte Carlo Calculations on Phase Transitions in Adsorbed Layers. <i>Advances in Chemical Physics</i> , 2007, , 91-152.	0.3	28
452	Influence of Surface Roughness on the Pull-Off Force in Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4648-4654.	1.5	24
453	Microscopic origin of the humidity dependence of the adhesion force in atomic force microscopy. <i>Journal of Chemical Physics</i> , 2007, 126, 174705.	1.2	37

#	ARTICLE	IF	CITATIONS
454	Water in Nanopores: III. Surface Phase Transitions of Water on Hydrophilic Surfaces. Journal of Physical Chemistry C, 2007, 111, 15716-15725.	1.5	24
455	Stabilization of Nanoscale Quasi-Liquid Interfacial Films in Inorganic Materials: A Review and Critical Assessment. Critical Reviews in Solid State and Materials Sciences, 2007, 32, 67-109.	6.8	160
456	Monte Carlo study on the water bridge that produces the pull-off force in atomic force microscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 300, 60-64.	2.3	8
457	Thin intergranular films and solid-state activated sintering in nickel-doped tungsten. Acta Materialia, 2007, 55, 3131-3142.	3.8	190
458	Complexion: A new concept for kinetic engineering in materials science. Acta Materialia, 2007, 55, 6208-6218.	3.8	496
459	Melting mechanism of monolayers adsorbed in cylindrical pores: An influence of the pore wall roughness. Applied Surface Science, 2007, 253, 5601-5605.	3.1	4
460	Bulk and interfacial properties of a cationic micellar system near the critical point. Chemical Physics, 2007, 335, 124-132.	0.9	4
461	Influence of Substrate Strength on Wetting Behavior. Journal of Physical Chemistry C, 2008, 112, 12905-12913.	1.5	35
462	Wetting and Prewetting on Ceramic Surfaces. Annual Review of Materials Research, 2008, 38, 227-249.	4.3	115
463	Contact Angles, Pore Condensation, and Hysteresis: Insights from a Simple Molecular Model. Langmuir, 2008, 24, 12295-12302.	1.6	67
464	Liquid-like interface complexion: From activated sintering to grain boundary diagrams. Current Opinion in Solid State and Materials Science, 2008, 12, 81-88.	5.6	95
465	Density Functional Approach to Adsorption of Simple Fluids on Surfaces Modified with a Brush-like Chain Structure. Journal of Physical Chemistry B, 2008, 112, 4552-4560.	1.2	17
466	Thermodynamic and kinetic supercooling of liquid in a wedge pore. Journal of Chemical Physics, 2008, 129, 154509.	1.2	23
467	Melting mechanism of monolayers adsorbed in cylindrical pores: The influence of the pore wall roughness. Journal of Chemical Physics, 2008, 128, 184703.	1.2	6
468	Continuous and discontinuous grain-boundary wetting in Zn . Physical Review B, 2008, 78, .	1.1	80
469	Grain boundary disordering in binary alloys. Applied Physics Letters, 2008, 92, .	1.5	68
470	Superficial segregation, wetting, and dynamical equilibrium in bimetallic clusters: A Monte Carlo study. Physical Review B, 2008, 78, .	1.1	36
471	Mean field kinetic theory for a lattice gas model of fluids confined in porous materials. Journal of Chemical Physics, 2008, 128, 084701.	1.2	80

#	ARTICLE	IF	CITATIONS
472	Interplay of complete wetting, critical adsorption, and capillary condensation. <i>Physical Review E</i> , 2009, 79, 041145.	0.8	24
473	Quasi-2D and prewetting transitions of square-well fluids on a square-well substrate. <i>Molecular Physics</i> , 2009, 107, 2189-2200.	0.8	10
474	Critical wetting transitions in two-dimensional systems subject to long-ranged boundary fields. <i>Physical Review E</i> , 2009, 79, 041144.	0.8	4
475	Nonlinear driven response of a phase-field crystal in a periodic pinning potential. <i>Physical Review E</i> , 2009, 79, 011606.	0.8	25
476	Adsorption of Ne on alkali surfaces studied with a density functional theory. <i>Physical Review E</i> , 2009, 79, 011603.	0.8	11
477	Modeling Relaxation Processes for Fluids in Porous Materials Using Dynamic Mean Field Theory: An Application to Partial Wetting. <i>Journal of Low Temperature Physics</i> , 2009, 157, 395-409.	0.6	34
478	Layering and prewetting in experimental systems: An assessment cross-referred to current theories. <i>Advances in Colloid and Interface Science</i> , 2009, 149, 1-18.	7.0	7
479	Wetting and spreading. <i>Reviews of Modern Physics</i> , 2009, 81, 739-805.	16.4	2,278
480	Grain boundary complexions: The interplay of premelting, prewetting, and multilayer adsorption. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	56
481	The combinatorial factor method for investigation of surface adsorption. <i>Journal of the Iranian Chemical Society</i> , 2010, 7, 84-94.	1.2	3
482	Layering in the Ising Model. <i>Journal of Statistical Physics</i> , 2010, 141, 217-241.	0.5	3
483	Adsorption of water monomer and clusters on platinum(111) terrace and related steps and kinks. <i>Surface Science</i> , 2010, 604, 1978-1986.	0.8	61
484	Prewetting transitions of one site associating fluids. <i>Journal of Chemical Physics</i> , 2010, 132, 144501.	1.2	10
485	Boundary of prewetting transition of Ar on a Li surface. <i>Physical Review B</i> , 2010, 82, .	1.1	5
486	Confinement of Ar between two identical parallel semi-infinite walls. <i>Journal of Chemical Physics</i> , 2010, 132, 064701.	1.2	5
487	Dynamic mean field theory of condensation and evaporation processes for fluids in porous materials: Application to partial drying and drying. <i>Faraday Discussions</i> , 2010, 146, 167.	1.6	23
488	Lattice Gas Monte Carlo Simulation of Capillary Forces in Atomic Force Microscopy. <i>Journal of Adhesion Science and Technology</i> , 2010, 24, 2429-2451.	1.4	8
489	Spontaneous imbibition in a slit pore: a lattice-gas dynamic mean field study. <i>Molecular Physics</i> , 2011, 109, 1143-1157.	0.8	10

#	ARTICLE	IF	CITATIONS
490	Full correspondence between asymmetric filling of slits and first-order phase transition lines. AIP Advances, 2011, 1, 042146.	0.6	3
491	Developing grain boundary diagrams as a materials science tool: A case study of nickel-doped molybdenum. Physical Review B, 2011, 84, .	1.1	67
492	Transition from van der Waals to H Bond Dominated Interaction inn-Propanol Physisorbed on Graphite. Physical Review Letters, 2011, 106, 156103.	2.9	3
493	Solvation forces in Ising films with long-range boundary fields: density-matrix renormalization-group study. Molecular Physics, 2011, 109, 1133-1141.	0.8	3
494	Wetting on a spherical wall: Influence of liquid-gas interfacial properties. Physical Review E, 2011, 84, 021603.	0.8	17
495	The Role of a Bilayer Interfacial Phase on Liquid Metal Embrittlement. Science, 2011, 333, 1730-1733.	6.0	250
496	Precursor films in wetting phenomena. Journal of Physics Condensed Matter, 2012, 24, 243102.	0.7	136
497	Adsorption of fluids on solid surfaces: A route toward very dense layers. Physica B: Condensed Matter, 2012, 407, 3278-3281.	1.3	1
498	Segregation and Phase Transitions in Reduced Dimension: From Bulk to Clusters via Surfaces. Engineering Materials, 2012, , 227-257.	0.3	3
499	Developing Interfacial Phase Diagrams for Applications in Activated Sintering and Beyond: Current Status and Future Directions. Journal of the American Ceramic Society, 2012, 95, 2358-2371.	1.9	69
500	A review of wetting versus adsorption, complexions, and related phenomena: the rosetta stone of wetting. Journal of Materials Science, 2013, 48, 5681-5717.	1.7	238
501	Grain-boundary layering transitions in a model bicrystal. Surface Science, 2013, 618, 88-93.	0.8	29
502	Grain boundary complexion transitions in WO ₃ - and CuO-doped TiO ₂ bicrystals. Acta Materialia, 2013, 61, 1691-1704.	3.8	30
503	Symmetrical mixtures in external fields. Journal of Chemical Physics, 2013, 139, 014705.	1.2	2
504	Asymmetric Profiles and Prewetting Lines in the Filling of Planar Slits with Ne. Journal of Physical Chemistry B, 2013, 117, 6256-6268.	1.2	2
505	Wetting in electrolyte solutions. Journal of Chemical Physics, 2013, 138, 214703.	1.2	13
508	Perspective: The Asakura Oosawa model: A colloid prototype for bulk and interfacial phase behavior. Journal of Chemical Physics, 2014, 141, 140901.	1.2	86
509	An introduction to inhomogeneous liquids, density functional theory, and the wetting transition. American Journal of Physics, 2014, 82, 1119-1129.	0.3	37

#	ARTICLE	IF	CITATIONS
510	Grain boundary complexions. Acta Materialia, 2014, 62, 1-48.	3.8	660
511	Layering transitions and solvation forces in an asymmetrically confined fluid. Journal of Chemical Physics, 2014, 140, 134704.	1.2	13
512	Basic thermodynamics and kinetics of phase transformations. , 0, , 1-2.		0
513	Effects of diffusion and nucleation on phase transformations. , 0, , 96-124.		0
514	The atomic origins of thermodynamics and kinetics. , 0, , 125-126.		1
515	Atom movements with the vacancy mechanism. , 0, , 211-244.		0
516	Types of phase transformations. , 0, , 245-246.		0
517	Phase field theory. , 0, , 315-331.		0
518	Method of concentration waves and chemical ordering. , 0, , 332-354.		0
519	Thermodynamics of nanomaterials. , 0, , 383-403.		0
520	Magnetic and electronic phase transitions. , 0, , 404-431.		0
521	Phases, phase equilibria, and phase rules in low-dimensional systems. Journal of Chemical Physics, 2015, 143, 044706.	1.2	36
522	Correlated lateral phase separations in stacks of lipid membranes. Journal of Chemical Physics, 2015, 143, 243124.	1.2	5
524	Influence of unlike dispersive interactions on methane adsorption in graphite: a grand canonical Monte Carlo simulation and classical density functional theory study. European Physical Journal B, 2015, 88, 1.	0.6	8
525	Filling and wetting transitions on sinusoidal substrates: a mean-field study of the Landau-Ginzburg model. Journal of Physics Condensed Matter, 2015, 27, 035101.	0.7	8
526	Intrinsic Evaporative Cooling by Hygroscopic Earth Materials. Geosciences (Switzerland), 2016, 6, 38.	1.0	18
527	Critical Casimir interactions and colloidal self-assembly in near-critical solvents. Journal of Chemical Physics, 2016, 145, 084902.	1.2	10
528	Wetting and layering transitions in a nano-shell structure: Monte Carlo study. Solid State Communications, 2016, 241, 14-19.	0.9	18

#	ARTICLE	IF	CITATIONS
529	Grain-boundary layering transitions and phonon engineering. <i>Surface Science</i> , 2016, 651, 1-4.	0.8	11
530	Layering transitions at grain boundaries. <i>Current Opinion in Solid State and Materials Science</i> , 2016, 20, 225-230.	5.6	31
531	Formic acid as a hydrogen storage material – development of homogeneous catalysts for selective hydrogen release. <i>Chemical Society Reviews</i> , 2016, 45, 3954-3988.	18.7	660
532	Multilayer adsorption of C ₂ H ₄ and CF ₄ on graphite: Grand Canonical Monte Carlo simulation. <i>Chemical Physics</i> , 2016, 479, 143-150.	0.9	2
533	Clathrate hydrates modelled with classical density functional theory coupled with a simple lattice gas and van der Waals-Platteeuw theory. <i>Philosophical Magazine</i> , 2016, 96, 2853-2867.	0.7	7
534	Disjoining potential and grain boundary premelting in binary alloys. <i>Physical Review B</i> , 2016, 93, .	1.1	24
536	Phase transformations at interfaces: Observations from atomistic modeling. <i>Current Opinion in Solid State and Materials Science</i> , 2016, 20, 308-315.	5.6	34
537	Wetting and Layering Transitions in a Nano-Square Structure: Monte Carlo Study. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 2261-2267.	0.8	7
538	Three-phase contact line and line tension of electrolyte solutions in contact with charged substrates. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 244015.	0.7	4
539	Wang-Landau Monte Carlo simulation of capillary forces at low relative humidity in atomic force microscopy. <i>Journal of Adhesion Science and Technology</i> , 2016, 30, 1165-1177.	1.4	13
540	Influence of gravitational potential on the thermodynamic stability of pure and mixed clathrate hydrates. <i>European Physical Journal B</i> , 2017, 90, 1.	0.6	1
541	The effects of geometric non-additivity on the wetting of symmetric mixtures at a wall. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2017, 2017, 123208.	0.9	4
542	Highly non-additive symmetric mixtures at a wall. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9228-9240.	1.3	5
543	An improved description of clathrate hydrates using classical density functional theory coupled with a simple lattice gas and van der Waals-Platteeuw theory. <i>Fluid Phase Equilibria</i> , 2018, 456, 131-139.	1.4	4
544	Wetting and Layering for Solid-on-Solid I: Identification of the Wetting Point and Critical Behavior. <i>Communications in Mathematical Physics</i> , 2018, 362, 1007-1048.	1.0	5
545	Non-universal dynamic exponents for thin-film spreading. <i>Europhysics Letters</i> , 2018, 122, 26002.	0.7	2
546	Adsorption of Ne on a planar solid Mg surface revisited. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 121, 386-395.	1.9	0
547	Molecular Dynamics Study of Adsorption of the Lennard-Jones Truncated and Shifted Fluid on Planar Walls. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 386-394.	1.0	11

#	ARTICLE	IF	CITATIONS
548	On the Nonwetting/Wetting Behavior of Carbon Dioxide on Graphite. Journal of Physical Chemistry C, 2019, 123, 9112-9120.	1.5	11
549	Interplay between Wetting and Filling of Argon Adsorption in Slit Pores with Different Surface Energies Transition from Filling in Micropores to Capillary Condensation in Mesopores. Industrial & Engineering Chemistry Research, 2019, 58, 23294-23303.	1.8	5
550	Playing the long game wins the cohesionâ€™adhesion rivalry. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23874-23876.	3.3	7
551	Effects of temperature on the transition from clustering to layering for argon adsorption on substrates of different strength - Parametric map of wetting, pre-wetting and non-wetting. Microporous and Mesoporous Materials, 2020, 304, 109239.	2.2	12
552	Thin Films of Quantum Fluids: History, Phase Transitions, and Wetting. Journal of Low Temperature Physics, 2020, 201, 585-614.	0.6	0
553	The evaporation of surfactant-laden droplets: A comparison between contact line models. Journal of Colloid and Interface Science, 2020, 579, 888-897.	5.0	13
557	Temperatureâ€™Composition Phase Diagrams. , 2020, , 21-58.		0
559	Nucleation. , 2020, , 83-108.		0
560	Effects of Diffusion and Nucleation on Phase Transformations. , 2020, , 109-130.		1
565	Interactions in Microstructures and Constrained Equilibrium. , 2020, , 223-249.		0
566	Atom Movements with the Vacancy Mechanism. , 2020, , 250-286.		0
568	Thermodynamics and Phase Transitions at Surfaces. , 2020, , 289-317.		0
569	Melting. , 2020, , 318-341.		0
570	Solidification. , 2020, , 342-372.		0
571	Phase Transformations with Interfaces: 1. Microstructure. , 2020, , 373-397.		0
572	Phase Transformations with Interfaces: 2. Energetics and Kinetics. , 2020, , 398-423.		0
573	Spinodal Decomposition. , 2020, , 424-440.		0
574	Phase Field Theory. , 2020, , 441-457.		0

#	ARTICLE	IF	CITATIONS
575	Method of Concentration Waves and Chemical Ordering. , 2020, , 458-481.		0
576	Diffusionless Transformations. , 2020, , 482-510.		1
577	Thermodynamics of Nanomaterials. , 2020, , 511-532.		0
578	Magnetic and Electronic Phase Transitions. , 2020, , 533-564.		0
582	Grain Boundary Complexion Transitions. Annual Review of Materials Research, 2020, 50, 465-492.	4.3	96
583	Phase behavior of water-like models in nanoscopic pores of slit shape. Predictions from a density functional theory. Condensed Matter Physics, 2021, 24, 33601.	0.3	2
584	Multi-layer transition and the magnetic properties of a spin-1/2 Ashkin Teller model with RKKY interaction: A Monte Carlo study. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 398, 127289.	0.9	6
585	Application of the dynamic mean field theory to fluid transport in slit pores. Journal of Chemical Physics, 2021, 155, 074702.	1.2	4
586	Wetting/non-wetting behaviour of quadrupolar molecules (N ₂ , C ₂ H ₄ , CO ₂) on planar substrates. Chemical Engineering Journal, 2021, 419, 129502.	6.6	7
587	RNA polymerase II clusters form in line with surface condensation on regulatory chromatin. Molecular Systems Biology, 2021, 17, e10272.	3.2	46
588	Lattice Model of Multilayer Adsorption of Particles with Orientation Dependent Interactions at Solid Surfaces. Molecules, 2021, 26, 5622.	1.7	3
590	3.6.2.9 Dynamics of H ₂ , HD, D ₂ monolayers physisorbed on graphite. , 0, , 242-282.		1
591	Monte Carlo Simulations of Surfaces and Interfaces in Materials. NATO ASI Series Series B: Physics, 1996, , 3-36.	0.2	2
592	Growth Kinetics of Wetting Layers at Surfaces. NATO ASI Series Series B: Physics, 1990, , 31-44.	0.2	9
593	Statistical Mechanics of Adsorption and Wetting Transitions. , 1986, , 1485-1524.		3
594	Surface Melting and Diffusion. NATO ASI Series Series B: Physics, 1991, , 307-325.	0.2	4
595	Multilayer Physisorbed Films on Graphite. NATO ASI Series Series B: Physics, 1991, , 357-389.	0.2	17
596	The Methane/Graphite Phase Diagram. NATO ASI Series Series B: Physics, 1991, , 437-454.	0.2	2

#	ARTICLE	IF	CITATIONS
597	The Roughening Transition. Topics in Current Physics, 1987, , 259-300.	0.5	81
598	Physisorbed Rare Gas Adlayers. Springer Series in Surface Sciences, 1988, , 65-108.	0.3	11
599	Phase Transitions at Interfaces: Roughening, Surface Melting, and Triple Point Wetting. Springer Series in Surface Sciences, 1988, , 142-168.	0.3	4
600	Diffraction Studies of Layering and Wetting Transitions. Springer Series in Surface Sciences, 1986, , 609-641.	0.3	6
601	What Can Spin Models Tell Us about the Behaviour of Minerals?. , 1988, , 119-142.		1
602	ADSORPTION: THE SOLID-FLUID INTERFACE. , 1988, , 423-461.		2
603	Roughening, Wetting and Surface Melting: Theoretical Considerations. Chemical Physics of Solid Surfaces, 1994, 7, 341-407.	0.3	1
605	Wetting phenomena and crystal growth. Annales De Physique, 1987, 12, 299-312.	0.2	4
606	A transfer matrix approach to the 3D wetting and pinning problems. Journal De Physique, 1983, 44, 1135-1142.	1.8	14
607	Re-entrant wetting transitions in molecular fluid mixtures. Journal De Physique (Paris), Lettres, 1984, 45, 863-872.	2.8	3
608	Kinetic Monte Carlo and hydrodynamic modeling of droplet dynamics on surfaces, including evaporation and condensation. Physical Review Fluids, 2019, 4, .	1.0	4
609	Influence of a small amount of tethered chains on wetting transitions: A density functional approach. Collection of Czechoslovak Chemical Communications, 2010, 75, 221-241.	1.0	10
610	Correlation between asymmetric profiles in slits and standard prewetting lines. Papers in Physics, 0, 1, 010001.	0.2	4
611	Grain boundary segregation transitions and critical phenomena in binary regular solutions: A systematics of complexion diagrams with universal characters. Acta Materialia, 2021, 221, 117375.	3.8	9
613	Classification of cluster morphologies. , 2002, , 1-59.		0
614	Lattice Gas Monte Carlo Simulation of Capillary Forces in Atomic Force Microscopy. , 2011, , 93-115.		0
615	The Gas/Phonon Interface: Desorption and other Phenomena. , 1985, , 623-662.		0
616	Multilayer Adsorption and Wetting Phenomena. Springer Series in Surface Sciences, 1986, , 581-607.	0.3	3

#	ARTICLE	IF	CITATIONS
617	Landau Theory of Wetting Transitions. NATO ASI Series Series B: Physics, 1988, , 699-707.	0.2	0
618	The influence of bulk disorder on wetting phenomena in two dimensional systems. Lecture Notes in Physics, 1990, , 101-112.	0.3	0
619	Thermal Roughening of Surfaces : Experimental Aspects. Chemical Physics of Solid Surfaces, 1994, 7, 291-340.	0.3	2
620	Manipulating Wetting and Ordering at Interfaces by Adsorption of Impurities. , 1994, , 161-185.		0
622	Roughening Transition: Theories and Experiments. Springer Handbooks, 2020, , 3-44.	0.3	1
623	Interfaces, Wetting Phenomena, Incommensurate Phases. Topics in Applied Physics, 1992, , 329-354.	0.4	0
626	Effects of fluidâ€“solid interaction strength on wetting of graphite-like substrates by water: density functional theory. Molecular Physics, 2022, 120, .	0.8	8
627	Lattice Model of Fluid Transport in Mixed Matrix Membranes. Advanced Theory and Simulations, 2022, 5, .	1.3	3
628	Off-Critical Wetting Layer Divergence at the Liquid / Vapor Interface of Binary Liquid Mixtures. Journal of Chemical Physics, 0, , .	1.2	0
629	Wetting behavior of polyelectrolyte complex coacervates on solid surfaces. Soft Matter, 2022, 18, 6326-6339.	1.2	4
630	The Lattice Model of Particles with Orientation-Dependent Interactions at Solid Surfaces: Wetting Scenarios. International Journal of Molecular Sciences, 2022, 23, 12802.	1.8	1
631	Multiscale perspective on wetting on switchable substrates: Mapping between microscopic and mesoscopic models. Physical Review Fluids, 2023, 8, .	1.0	0