

Luuk K Koopal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3307318/publications.pdf>

Version: 2024-02-01

189
papers

13,610
citations

16411

64
h-index

23472

111
g-index

192
all docs

192
docs citations

192
times ranked

9667
citing authors

#	ARTICLE	IF	CITATIONS
1	Proton binding to humic nano particles: electrostatic interaction and the condensation approximation. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 704-714.	1.3	2
2	Effect of humic acid on lysozyme interaction with montmorillonite and kaolinite. <i>Science of the Total Environment</i> , 2022, 834, 155370.	3.9	4
3	Spectroscopic investigation of conformational changes in urease caused by interaction with humic acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 215, 112510.	2.5	2
4	Facet-dependent surface charge and Pb ²⁺ adsorption characteristics of hematite nanoparticles: CD-MUSIC-eSGC modeling. <i>Environmental Research</i> , 2021, 196, 110383.	3.7	6
5	Conformational modifications of lysozyme caused by interaction with humic acid studied with spectroscopy. <i>Science of the Total Environment</i> , 2021, 768, 144858.	3.9	7
6	Quantitative Characterization of the Site Density and the Charged State of Functional Groups on Biochar. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2600-2608.	3.2	17
7	Regional differences in mineral weathering characteristics of zonal soils under intensive agriculture. <i>Applied Clay Science</i> , 2021, 215, 106336.	2.6	4
8	Goethite effects on transport and activity of lysozyme with humic acid in quartz sand. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 604, 125319.	2.3	4
9	Equilibrium mono- and multicomponent adsorption models: From homogeneous ideal to heterogeneous non-ideal binding. <i>Advances in Colloid and Interface Science</i> , 2020, 280, 102138.	7.0	42
10	Mixed ad/desorption kinetics unraveled with the equilibrium adsorption isotherm. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 577, 709-722.	2.3	16
11	Selective adsorption of soil humic acid on binary systems containing kaolinite and goethite: Assessment of sorbent interactions. <i>European Journal of Soil Science</i> , 2019, 70, 1098-1107.	1.8	10
12	Formation and Morphology Evolution from Ferrihydrite to Hematite in the Presence of Tartaric Acid. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 562-570.	1.2	9
13	Phosphate speciation on Al-substituted goethite: ATR-FTIR/2D-COS and CD-MUSIC modeling. <i>Environmental Science: Nano</i> , 2019, 6, 3625-3637.	2.2	25
14	Proton and Copper Binding to Humic Acids Analyzed by XAFS Spectroscopy and Isothermal Titration Calorimetry. <i>Environmental Science & Technology</i> , 2018, 52, 4099-4107.	4.6	48
15	Roles of different types of oxalate surface complexes in dissolution process of ferrihydrite aggregates. <i>Scientific Reports</i> , 2018, 8, 2060.	1.6	17
16	Hydroxy-interlayered minerals in the Holocene paleosol on the southernmost Loess Plateau, China. <i>Applied Clay Science</i> , 2018, 153, 70-77.	2.6	10
17	Effect of Soil Fulvic and Humic Acids on Pb Binding to the Goethite/Solution Interface: Ligand Charge Distribution Modeling and Speciation Distribution of Pb. <i>Environmental Science & Technology</i> , 2018, 52, 1348-1356.	4.6	45
18	Comparison of strontium retardation for kaolinite, illite, vermiculite and allophane. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 317, 409-419.	0.7	9

#	ARTICLE	IF	CITATIONS
19	Effect of citrate on the species and levels of Al impurities in ferrihydrite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 539, 140-147.	2.3	8
20	Influence of humic acid on transport, deposition and activity of lysozyme in quartz sand. <i>Environmental Pollution</i> , 2018, 242, 298-306.	3.7	11
21	CD-MUSIC-EDL Modeling of Pb ²⁺ Adsorption on Birnessites: Role of Vacant and Edge Sites. <i>Environmental Science & Technology</i> , 2018, 52, 10522-10531.	4.6	30
22	The preferential retention of VI ₂ Zn over IV ₂ Zn on birnessite during dissolution/desorption. <i>Applied Clay Science</i> , 2018, 161, 169-175.	2.6	8
23	Strontium adsorption and penetration in kaolinite at low Sr ²⁺ concentration. <i>Soil Science and Plant Nutrition</i> , 2017, 63, 14-17.	0.8	12
24	Mechanisms of soil humic acid adsorption onto montmorillonite and kaolinite. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 457-467.	5.0	104
25	Local structure of Cu ²⁺ in Cu-doped hexagonal turbostratic birnessite and Cu ²⁺ stability under acid treatment. <i>Chemical Geology</i> , 2017, 466, 512-523.	1.4	31
26	Copper binding to soil fulvic and humic acids: NICA-Donnan modeling and conditional affinity spectra. <i>Journal of Colloid and Interface Science</i> , 2016, 473, 141-151.	5.0	59
27	Effect of different vegetation cover on the vertical distribution of soil organic and inorganic carbon in the Zhifanggou Watershed on the loess plateau. <i>Catena</i> , 2016, 139, 191-198.	2.2	97
28	Surfactant adsorption to soil components and soils. <i>Advances in Colloid and Interface Science</i> , 2016, 231, 59-102.	7.0	95
29	Effects of crystallite size on the structure and magnetism of ferrihydrite. <i>Environmental Science: Nano</i> , 2016, 3, 190-202.	2.2	77
30	Desorption of myo-inositol hexakisphosphate and phosphate from goethite by different reagents. <i>Journal of Plant Nutrition and Soil Science</i> , 2015, 178, 878-887.	1.1	20
31	Structure and properties of vanadium(V)-doped hexagonal turbostratic birnessite and its enhanced scavenging of Pb ²⁺ from solutions. <i>Journal of Hazardous Materials</i> , 2015, 288, 80-88.	6.5	30
32	High Co-doping promotes the transition of birnessite layer symmetry from orthogonal to hexagonal. <i>Chemical Geology</i> , 2015, 410, 12-20.	1.4	27
33	Effect of soil fulvic and humic acid on binding of Pb to goethite-water interface: Linear additivity and volume fractions of HS in the Stern layer. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 121-130.	5.0	52
34	Size-dependent sorption of myo-inositol hexakisphosphate and orthophosphate on nano- ¹³ Al ₂ O ₃ . <i>Journal of Colloid and Interface Science</i> , 2015, 451, 85-92.	5.0	33
35	Effects of phosphate and silicate on the transformation of hydroxycarbonate green rust to ferric oxyhydroxides. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 171, 1-14.	1.6	27
36	Characteristics of the fifth paleosol complex (S5) in the southernmost part of the Chinese Loess Plateau and its paleo-environmental significance. <i>Catena</i> , 2014, 122, 130-139.	2.2	6

#	ARTICLE	IF	CITATIONS
37	One-step synthesis of γ -MnO ₂ nanoparticles using ascorbic acid and their scavenging properties to Pb(II), Zn(II) and methylene blue. <i>Materials Chemistry and Physics</i> , 2014, 148, 1149-1156.	2.0	12
38	Zn sorption to biogenic bixbyite-like Mn ₂ O ₃ produced by <i>Bacillus</i> CUA isolated from soil: XAFS study with constraints on sorption mechanism. <i>Chemical Geology</i> , 2014, 389, 82-90.	1.4	18
39	Interaction between lysozyme and humic acid in layer-by-layer assemblies: Effects of pH and ionic strength. <i>Journal of Colloid and Interface Science</i> , 2014, 430, 40-46.	5.0	17
40	Shape Evolution Synthesis of Monodisperse Spherical, Ellipsoidal, and Elongated Hematite (α -Fe ₂ O ₃) Nanoparticles Using Ascorbic Acid. <i>Crystal Growth and Design</i> , 2014, 14, 157-164.	1.4	46
41	Soil inorganic carbon stock under different soil types and land uses on the Loess Plateau region of China. <i>Catena</i> , 2014, 121, 22-30.	2.2	92
42	Transformation of hydroxycarbonate green rust into crystalline iron (hydr)oxides: Influences of reaction conditions and underlying mechanisms. <i>Chemical Geology</i> , 2013, 351, 57-65.	1.4	36
43	Lead Binding to Soil Fulvic and Humic Acids: NICA-Donnan Modeling and XAFS Spectroscopy. <i>Environmental Science & Technology</i> , 2013, 47, 11634-11642.	4.6	114
44	Influence of Soil Humic and Fulvic Acid on the Activity and Stability of Lysozyme and Urease. <i>Environmental Science & Technology</i> , 2013, 47, 5050-5056.	4.6	63
45	Proton binding to soil humic and fulvic acids: Experiments and NICA-Donnan modeling. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 436, 1152-1158.	2.3	39
46	Effects of Fe doping on the structures and properties of hexagonal birnessites – Comparison with Co and Ni doping. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 117, 1-15.	1.6	71
47	Microstructure, Interaction Mechanisms, and Stability of Binary Systems Containing Goethite and Kaolinite. <i>Soil Science Society of America Journal</i> , 2012, 76, 389-398.	1.2	28
48	Wetting of Solid Surfaces: Fundamentals and Charge effects. <i>Advances in Colloid and Interface Science</i> , 2012, 179-182, 29-42.	7.0	78
49	Sorption of tetracycline on organo-montmorillonites. <i>Journal of Hazardous Materials</i> , 2012, 225-226, 28-35.	6.5	82
50	One-step synthesis of sea urchin-like γ -MnO ₂ using KIO ₄ as the oxidant and its oxidation of arsenite. <i>Materials Letters</i> , 2012, 77, 60-62.	1.3	16
51	Influence of lysozyme complexation with purified Aldrich humic acid on lysozyme activity. <i>European Journal of Soil Science</i> , 2012, 63, 550-557.	1.8	12
52	Humic substance charge determination by titration with a flexible cationic polyelectrolyte. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5749-5761.	1.6	31
53	Environmental significance of mineral weathering and pedogenesis of loess on the southernmost Loess Plateau, China. <i>Geoderma</i> , 2011, 163, 219-226.	2.3	41
54	Formation and Transformation of Iron Oxide–Kaolinite Associations in the Presence of Iron(II). <i>Soil Science Society of America Journal</i> , 2011, 75, 45-55.	1.2	18

#	ARTICLE	IF	CITATIONS
55	Predictive model of cationic surfactant binding to humic substances. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 379, 70-78.	2.3	22
56	Effect of 1-1 electrolyte concentration on the adsorption/desorption of copper ion on synthetic birnessite. <i>Journal of Soils and Sediments</i> , 2010, 10, 879-885.	1.5	11
57	Polymer tensiometers with ceramic cones: direct observations of matric pressures in drying soils. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 1787-1799.	1.9	24
58	Electrostatic potentials of humic acid: Fluorescence quenching measurements and comparison with model calculations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 347, 27-32.	2.3	9
59	Binding of alkylpyridinium chloride surfactants to sodium polystyrene sulfonate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 347, 69-75.	2.3	15
60	Measuring very negative water potentials with polymer tensiometers: principles, performance and applications. <i>Biologia (Poland)</i> , 2009, 64, 438-442.	0.8	12
61	Interaction between Humic Acid and Lysozyme, Studied by Dynamic Light Scattering and Isothermal Titration Calorimetry. <i>Environmental Science & Technology</i> , 2009, 43, 591-596.	4.6	75
62	Humic acid protein complexation. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2090-2099.	1.6	84
63	Adsorption of Heterogeneously Charged Nanoparticles on a Variably Charged Surface by the Extended Surface Complexation Approach: Charge Regulation, Chemical Heterogeneity, and Surface Complexation. <i>Journal of Physical Chemistry B</i> , 2008, 112, 1339-1349.	1.2	18
64	DETERMINATION OF THE POINT-OF-ZERO CHARGE OF MANGANESE OXIDES WITH DIFFERENT METHODS INCLUDING AN IMPROVED SALT TITRATION METHOD. <i>Soil Science</i> , 2008, 173, 277-286.	0.9	123
65	Protein Adsorption at Solid Surfaces and Protein Complexation with Humic Acids. <i>Revista De La Ciencia Del Suelo Y Nutricion Vegetal</i> , 2008, 8, .	0.4	2
66	Competitive Adsorption of Nonionic Surfactant and Nonionic Polymer on Silica. <i>Langmuir</i> , 2007, 23, 5532-5540.	1.6	48
67	New Polymer Tensiometers: Measuring Matric Pressures Down to the Wilting Point. <i>Vadose Zone Journal</i> , 2007, 6, 196-202.	1.3	45
68	Binding of cationic surfactants to humic substances. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 306, 29-39.	2.3	57
69	Measurement and interpretation of electrokinetic phenomena. <i>Journal of Colloid and Interface Science</i> , 2007, 309, 194-224.	5.0	947
70	Modeling the Interactions between Humics, Ions, and Mineral Surfaces. <i>Environmental Science & Technology</i> , 2006, 40, 7473-7480.	4.6	70
71	Adsorption of Humic Substances on Goethite: A Comparison between Humic Acids and Fulvic Acids. <i>Environmental Science & Technology</i> , 2006, 40, 7494-7500.	4.6	226
72	Modeling Metal-Particle Interactions With an Emphasis on Natural Organic Matter. <i>Environmental Science & Technology</i> , 2006, 40, 7459-7466.	4.6	41

#	ARTICLE	IF	CITATIONS
73	Confinement-Induced Symmetry Breaking of Interfacial Surfactant Layers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 8756-8763.	1.2	9
74	Surface charge regulation upon polyelectrolyte adsorption, hematite, polystyrene sulfonate, surface charge regulation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 291, 13-23.	2.3	28
75	Thinning of wetting films formed from aqueous solutions of non-ionic surfactant. <i>Journal of Colloid and Interface Science</i> , 2006, 301, 210-216.	5.0	8
76	Ligand and Charge Distribution (LCD) model for the description of fulvic acid adsorption to goethite. <i>Journal of Colloid and Interface Science</i> , 2006, 302, 442-457.	5.0	71
77	Electrostatic interaction models for ion binding to humic substances. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 265, 104-113.	2.3	43
78	Ion binding to natural organic matter: General considerations and the NICA-Donnan model. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 265, 40-54.	2.3	211
79	Measurement and Interpretation of Electrokinetic Phenomena (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2005, 77, 1753-1805.	0.9	498
80	Influence of NaCl on the Behavior of PEO- <i>b</i> -PPO- <i>b</i> -PEO Triblock Copolymers in Solution, at Interfaces, and in Asymmetric Liquid Films. <i>Langmuir</i> , 2005, 21, 4954-4963.	1.6	38
81	Analysis of Copper Binding in the Ternary System Cu ²⁺ /Humic Acid/Goethite at Neutral to Acidic pH. <i>Environmental Science & Technology</i> , 2005, 39, 4886-4893.	4.6	63
82	Confinement-Induced Phase Transition and Hysteresis in Colloidal Forces for Surfactant Layers on Hydrophobic Surfaces. <i>Langmuir</i> , 2005, 21, 10089-10095.	1.6	15
83	Modeling of Confinement-Induced Phase Transitions for Surfactant Layers on Amphiphilic Surfaces. <i>Langmuir</i> , 2005, 21, 11534-11545.	1.6	18
84	Interactions of calcium and fulvic acid at the goethite-water interface. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 325-339.	1.6	134
85	Adsorption of Nonionic Surfactants on Cellulose Surfaces: Adsorbed Amounts and Kinetics. <i>Langmuir</i> , 2005, 21, 7768-7775.	1.6	48
86	Application of the NICA-Donnan model for proton, copper and uranyl binding to humic acid. <i>Radiochimica Acta</i> , 2004, 92, 567-574.	0.5	32
87	Adsorption of Cationic Surfactants on Silica Surface: 1. Adsorption Isotherms and Surface Charge. <i>Colloid Journal</i> , 2004, 66, 38-43.	0.5	16
88	Adsorption of Cationic Surfactants on Silica Surface: 2. Comparison of Theory with Experiment. <i>Colloid Journal</i> , 2004, 66, 44-47.	0.5	5
89	Binding of ionic surfactants to purified humic acid. <i>Journal of Colloid and Interface Science</i> , 2004, 275, 360-367.	5.0	73
90	Self-Consistent Field Analysis of Ionic Surfactant Adsorption Regulation in the Aqueous Film between Two Neutral Solids. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3633-3643.	1.2	7

#	ARTICLE	IF	CITATIONS
91	Confinement-Induced Phase Behavior and Adsorption Regulation of Ionic Surfactants in the Aqueous Film between Charged Solids. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15033-15042.	1.2	19
92	Adsorption of Humic Acid on Goethite: Isotherms, Charge Adjustments, and Potential Profiles. <i>Langmuir</i> , 2004, 20, 689-700.	1.6	134
93	Mixed adsorption of poly(vinylpyrrolidone) and sodium dodecylbenzenesulfonate on kaolinite. <i>Journal of Colloid and Interface Science</i> , 2003, 260, 1-8.	5.0	61
94	Annealed Star-Branched Polyelectrolytes in Solution. <i>Macromolecules</i> , 2002, 35, 9176-9190.	2.2	67
95	Selective Separation of Fine Particles by a New Flotation Approach. <i>Separation Science and Technology</i> , 2002, 37, 2097-2112.	1.3	8
96	Remediation of Fine Fractions of Dredged Sediments by Flotation. <i>Environmental Technology (United Kingdom)</i> , 2002, 23, 1129-1138.	1.2	6
97	Theoretical modeling of cationic surfactants aggregation at the silica/aqueous solution interface: Effects of pH and ionic strength. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 5846-5855.	1.3	9
98	Heterocoagulation of Hydrophobic Particle and Bubble during Microflotation. <i>Colloid Journal</i> , 2002, 64, 457-465.	0.5	3
99	Intensification of electro dialysis by applying a non-stationary electric field. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 176, 195-212.	2.3	71
100	A simple model for adsorption kinetics at charged solid-liquid interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 192, 93-107.	2.3	52
101	Microflotation Suppression and Enhancement Caused by Particle/Bubble Electrostatic Interaction. <i>Journal of Colloid and Interface Science</i> , 2001, 237, 208-223.	5.0	19
102	Humic matter and contaminants. General aspects and modeling metal ion binding. <i>Pure and Applied Chemistry</i> , 2001, 73, 2005-2016.	0.9	108
103	Monodisperse, nonporous, spherical silica particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 166, 171-176.	2.3	47
104	The effect of chemical composition and molecular weight of polysaccharide depressants on the flotation of talc. <i>International Journal of Mineral Processing</i> , 2000, 59, 215-224.	2.6	110
105	The effect of cationic surfactants on wetting, colloid stability and flotation of silica. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 151, 15-25.	2.3	85
106	Volume and structure of humic acids studied by viscometry. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 151, 213-224.	2.3	107
107	Flotation of soot particles from a sandy soil sludge. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 151, 293-301.	2.3	11
108	Immobilisation of humic acids and binding of nitrophenol to immobilised humics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 151, 201-212.	2.3	28

#	ARTICLE	IF	CITATIONS
109	Ion binding to natural organic matter: competition, heterogeneity, stoichiometry and thermodynamic consistency. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 151, 147-166.	2.3	708
110	Titration microcalorimetry of poly(vinylpyrrolidone) and sodium dodecylbenzenesulphonate in aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 160, 237-246.	2.3	24
111	Charge Adjustments upon Adsorption of a Weak Polyelectrolyte to a Mineral Oxide: The Hematite-Humic Acid System. <i>Journal of Colloid and Interface Science</i> , 1999, 212, 176-185.	5.0	38
112	Proton Binding to Humic Acids: Electrostatic and Intrinsic Interactions. <i>Journal of Colloid and Interface Science</i> , 1999, 217, 37-48.	5.0	105
113	Screening in Solutions of Star-Branched Polyelectrolytes. <i>Macromolecules</i> , 1999, 32, 2365-2377.	2.2	93
114	Kinetics of Humic Acid Adsorption at Solid-Water Interfaces. <i>Environmental Science & Technology</i> , 1999, 33, 2739-2744.	4.6	128
115	Metal Ion Adsorption to Complexes of Humic Acid and Metal Oxides: Deviations from the Additivity Rule. <i>Environmental Science & Technology</i> , 1999, 33, 3892-3897.	4.6	162
116	Flotation of PAH-Contaminated Dredged Sludge. <i>ACS Symposium Series</i> , 1999, , 248-259.	0.5	0
117	Interaction theory for double electric layers of dissimilar particles for equilibrium regime of surface ionization Low surface potentials. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 131, 51-62.	2.3	5
118	Chemical immobilisation of humic acid on silica. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 141, 385-395.	2.3	73
119	Surface and volume charge densities of monodisperse porous silicas. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 142, 303-313.	2.3	51
120	Desorption of Humic Acids from an Iron Oxide Surface. <i>Environmental Science & Technology</i> , 1998, 32, 2572-2577.	4.6	102
121	Adsorption of Humic Acid to Mineral Particles. 1. Specific and Electrostatic Interactions. <i>Langmuir</i> , 1998, 14, 2810-2819.	1.6	325
122	Adsorption of Humic Acids to Mineral Particles. 2. Polydispersity Effects with Polyelectrolyte Adsorption. <i>Langmuir</i> , 1998, 14, 4210-4216.	1.6	145
123	Polymer adsorption on a patchwise heterogeneous surface. , 1998, , 153-160.		8
124	Semianalytical Methods To Determine First-Order Rate Constant Distributions. <i>Langmuir</i> , 1997, 13, 961-969.	1.6	7
125	Critical Point Wetting for Binary Two-Phase Polymer-Solvent Mixtures on Solid Interfaces. <i>Langmuir</i> , 1997, 13, 5751-5755.	1.6	8
126	Adsorption of Weak Polyelectrolytes on Surfaces with a Variable Charge. Self-Consistent-Field Calculations. <i>Langmuir</i> , 1997, 13, 4413-4421.	1.6	50

#	ARTICLE	IF	CITATIONS
127	Adsorption of Cationic Surfactants on Silica. Comparison of Experiment and Theory. <i>Langmuir</i> , 1997, 13, 673-681.	1.6	124
128	Self-Consistent Field Theory for the Adsorption of Alkanes on Solid Surfaces. <i>Langmuir</i> , 1996, 12, 1863-1869.	1.6	10
129	Metal ion binding by natural organic matter: From the model to the field. <i>Geochimica Et Cosmochimica Acta</i> , 1996, 60, 2503-2513.	1.6	229
130	Adsorption of Cationic Surfactants on Silica. Surface Charge Effects. <i>Langmuir</i> , 1996, 12, 3188-3194.	1.6	194
131	Humic Substances Considered as a Heterogeneous Donnan Gel Phase. <i>Environmental Science & Technology</i> , 1996, 30, 1805-1813.	4.6	292
132	Self-consistent field theory for wetting of binary polymer-solvent mixtures on rigid and soft interfaces. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 579-587.	1.7	19
133	Self-Assembly of Ionic Surfactants Adsorbed on Mineral Oxides: Surface Charge and Salt Effects. <i>ACS Symposium Series</i> , 1996, , 78-103.	0.5	4
134	Chapter 3.5 Ion adsorption on mineral oxide surfaces. <i>Studies in Surface Science and Catalysis</i> , 1996, 99, 757-796.	1.5	16
135	Metal Ion Binding by Humic Acid: Application of the NICA-Donnan Model. <i>Environmental Science & Technology</i> , 1996, 30, 1687-1698.	4.6	498
136	Mineral hydroxides: from homogeneous to heterogeneous modelling. <i>Electrochimica Acta</i> , 1996, 41, 2293-2305.	2.6	83
137	Adsorption of Cationic and Anionic Surfactants on Metal Oxide Surfaces: Surface Charge Adjustment and Competition Effects. <i>Journal of Colloid and Interface Science</i> , 1996, 177, 478-489.	5.0	53
138	An Analytical Isotherm Equation (CONICA) for Nonideal Mono- and Bidentate Competitive Ion Adsorption to Heterogeneous Surfaces. <i>Journal of Colloid and Interface Science</i> , 1996, 183, 35-50.	5.0	25
139	Self-Consistent-Field Description of n-Alkanes in Bulk and at the Liquid-Vapor Interface. <i>The Journal of Physical Chemistry</i> , 1996, 100, 3607-3616.	2.9	11
140	Adsorption of Cationic and Anionic Surfactants on Charged Metal Oxide Surfaces. <i>Journal of Colloid and Interface Science</i> , 1995, 170, 85-97.	5.0	138
141	Analysis of Metal-Ion Binding by a Peat Humic Acid Using a Simple Electrostatic Model. <i>Journal of Colloid and Interface Science</i> , 1995, 175, 448-460.	5.0	81
142	Thin Hydrocarbon and Water Films on Bare and Methylated Silica: Vapor Adsorption, Wettability, Adhesion, and Surface Forces. <i>Langmuir</i> , 1995, 11, 1701-1710.	1.6	40
143	Analysis of proton binding by a peat humic acid using a simple electrostatic model. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 1101-1112.	1.6	149
144	Metal Ion Binding to Humic Substances: Application of the Non-Ideal Competitive Adsorption Model. <i>Environmental Science & Technology</i> , 1995, 29, 446-457.	4.6	545

#	ARTICLE	IF	CITATIONS
145	Analytical Isotherm Equations for Multicomponent Adsorption to Heterogeneous Surfaces. <i>Journal of Colloid and Interface Science</i> , 1994, 166, 51-60.	5.0	276
146	Wettability: thermodynamic relationships between vapour adsorption and wetting. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1994, 89, 157-167.	2.3	51
147	Heterogeneity Analysis for Binding Data Using an Adapted Smoothing Spline Technique. <i>Environmental Science & Technology</i> , 1994, 28, 1037-1047.	4.6	30
148	Analysis of the Rate of Dissociation of Ligand Complexes. <i>Environmental Science & Technology</i> , 1994, 28, 1048-1053.	4.6	18
149	Preparation and characterization of iridium and titanium oxide layers on silica particles. <i>Journal of Electroanalytical Chemistry</i> , 1993, 352, 107-118.	1.9	14
150	Lattice models for the description of partitioning/ adsorption and retention in reversed-phase liquid chromatography, including surface and shape effects. <i>Journal of Chromatography A</i> , 1993, 656, 135-196.	1.8	61
151	Surfactant adsorption at liquid/liquid interfaces Comparison of experimental results with self-consistent field lattice calculations and molecular dynamics simulations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1993, 81, 217-229.	2.3	25
152	Modelling of the double layer and electrosorption of a patchwise heterogeneous surface on the basis off its homogeneous analogue 1. Non-interacting patches. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1993, 73, 201-209.	2.3	14
153	Proton binding to humic substances. 1. Electrostatic effects. <i>Environmental Science & Technology</i> , 1993, 27, 2005-2014.	4.6	159
154	Determination of proton affinity distributions for humic substances. <i>Environmental Science & Technology</i> , 1993, 27, 846-856.	4.6	92
155	Adsorption on heterogeneous surfaces. Calculation of the adsorption energy distribution function or the affinity spectrum. <i>Langmuir</i> , 1993, 9, 2593-2605.	1.6	39
156	Proton binding to humic substances. 2. Chemical heterogeneity and adsorption models. <i>Environmental Science & Technology</i> , 1993, 27, 2015-2022.	4.6	113
157	Adsorption of nonionic surfactants on hydrophilic surfaces. An experimental and theoretical study on association in the adsorbed layer. <i>Langmuir</i> , 1992, 8, 2228-2239.	1.6	115
158	Adsorption of ionic surfactants on variable-charge surfaces. 2. Molecular architecture and structure of the adsorbed layer. <i>Langmuir</i> , 1992, 8, 2660-2665.	1.6	66
159	Comparison of semianalytical methods to analyze complexation with heterogeneous ligands. <i>Environmental Science & Technology</i> , 1992, 26, 763-771.	4.6	68
160	Adsorption of ionic surfactants on variable-charge surfaces. 1. Charge effects and structure of the adsorbed layer. <i>Langmuir</i> , 1992, 8, 2649-2659.	1.6	133
161	Adsorption of ionic surfactants on constant charge surfaces. Analysis based on a self-consistent field lattice model. <i>Langmuir</i> , 1992, 8, 1594-1602.	1.6	59
162	Partitioning and adsorption of chain molecules at chemically modified surfaces in reversed phase liquid chromatography. <i>The Journal of Physical Chemistry</i> , 1991, 95, 6285-6297.	2.9	39

#	ARTICLE	IF	CITATIONS
163	Micellization of ionic surfactants: calculations based on a self-consistent field lattice model. The Journal of Physical Chemistry, 1991, 95, 9569-9578.	2.9	46
164	Determination of H ⁺ and metal ion affinity distributions for humic substances. Water, Air, and Soil Pollution, 1991, 57-58, 339-349.	1.1	19
165	Determination of adsorption affinity distributions: A general framework for methods related to local isotherm approximations. Journal of Colloid and Interface Science, 1990, 135, 410-426.	5.0	81
166	Electrochemistry of a model for patchwise heterogeneous surfaces: The rutile-hematite system. Journal of Colloid and Interface Science, 1990, 134, 122-138.	5.0	69
167	Analysis of ion binding on humic substances and the determination of intrinsic affinity distributions. Analytica Chimica Acta, 1990, 232, 189-207.	2.6	140
168	Adsorption of organic ions at the solid-electrolyte interface. Interpretation of common intersection points. Colloids and Surfaces, 1990, 51, 339-357.	0.9	29
169	Association and adsorption of nonionic flexible chain surfactants. Langmuir, 1990, 6, 1478-1484.	1.6	46
170	Electrosorption on random and patchwise heterogeneous surfaces: electrical double-layer effects. Journal of Colloid and Interface Science, 1989, 128, 188-200.	5.0	58
171	Adsorption of interacting long-chain surfactant molecules: Isotherm equations. Journal of Colloid and Interface Science, 1988, 126, 493-507.	5.0	22
172	Electrophoretic study of polymer adsorption: Dextran, polyethylene oxide and polyvinyl alcohol on silver iodide. Journal of Colloid and Interface Science, 1988, 121, 49-62.	5.0	45
173	Contact angles on particles and plates. Colloids and Surfaces, 1987, 27, 57-64.	0.9	96
174	Metal ion adsorption on heterogeneous surfaces: Adsorption models. Journal of Colloid and Interface Science, 1987, 116, 511-522.	5.0	160
175	Surface ionization and complexation models: A comparison of methods for determining model parameters. Journal of Colloid and Interface Science, 1987, 118, 117-136.	5.0	103
176	The effect of particle size on the stability of haematite (α -Fe ₂ O ₃) hydrosols. Colloids and Surfaces, 1987, 28, 67-83.	0.9	42
177	Contact angles on particles and plates. Colloids and Surfaces, 1987, 27, 57-64.	0.9	28
178	Chain length effects in the adsorption of surfactants at aqueous interfaces: Comparison of existing adsorption models with a new model. Journal of Colloid and Interface Science, 1986, 112, 362-379.	5.0	30
179	Interfacial electrochemistry of haematite (α -Fe ₂ O ₃): homodisperse and heterodisperse sols. Colloids and Surfaces, 1986, 21, 457-468.	0.9	74
180	Adsorption of ionic surfactants on charged solids. Adsorption models. Colloids and Surfaces, 1986, 17, 371-388.	0.9	30

#	ARTICLE	IF	CITATIONS
181	Electrolyte adsorption on heterogeneous surfaces: adsorption models. <i>Journal of Colloid and Interface Science</i> , 1986, 109, 219-228.	5.0	207
182	Calculation of the adsorption energy distribution from the adsorption isotherm by singular value decomposition. <i>Colloids and Surfaces</i> , 1985, 14, 87-95.	0.9	27
183	Surface heterogeneity analysis by gas adsorption: Improved calculation of the adsorption energy distribution function using a new algorithm named CAESAR. <i>Journal of Colloid and Interface Science</i> , 1985, 105, 183-196.	5.0	37
184	The effect of polyethylene oxide molecular weight on determination of its concentration in aqueous solutions. <i>Talanta</i> , 1982, 29, 495-501.	2.9	65
185	The unperturbed conformation and interaction parameters of polyvinylalcohol in aqueous solutions. Polydispersity effects. <i>Colloid and Polymer Science</i> , 1981, 259, 490-498.	1.0	13
186	The effect of polymer polydispersity on the adsorption isotherm. <i>Journal of Colloid and Interface Science</i> , 1981, 83, 116-129.	5.0	65
187	Characterization of adsorbed polymers from double layer experiments. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1979, 100, 895-912.	0.3	44
188	Characterization of polymers in the adsorbed state by double layer measurements. The silver iodide + poly(vinyl alcohol) system. <i>Faraday Discussions of the Chemical Society</i> , 1975, 59, 230.	2.2	71
189	Polymer adsorption and its effect on the stability of hydrophobic colloids. <i>Kolloid-Zeit & Zeit Fuer Polymers</i> , 1972, 250, 689-702.	0.7	129