

Shaoyi Jiang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2329096/publications.pdf>

Version: 2024-02-01

260
papers

29,956
citations

3325

91
h-index

5227

165
g-index

266
all docs

266
docs citations

266
times ranked

19696
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Performance Chain Scissionable Resists for Extreme Ultraviolet Lithography: Discovery of the Photoacid Generator Structure and Mechanism. <i>Chemistry of Materials</i> , 2022, 34, 6170-6181.	3.2	11
2	High-strength and fibrous capsule-resistant zwitterionic elastomers. <i>Science Advances</i> , 2021, 7, .	4.7	82
3	Combination of polycarboxybetaine coating and factor XII inhibitor reduces clot formation while preserving normal tissue coagulation during extracorporeal life support. <i>Biomaterials</i> , 2021, 272, 120778.	5.7	28
4	High-strength and Nonfouling Zwitterionic Triple-network Hydrogel in Saline Environments. <i>Advanced Materials</i> , 2021, 33, e2102479.	11.1	58
5	Strong Surface Hydration and Salt Resistant Mechanism of a New Nonfouling Zwitterionic Polymer Based on Protein Stabilizer TMAO. <i>Journal of the American Chemical Society</i> , 2021, 143, 16786-16795.	6.6	78
6	Elucidating Molecular Design Principles for Charge-Alternating Peptides. <i>Biomacromolecules</i> , 2020, 21, 435-443.	2.6	14
7	Surface hydration for antifouling and bio-adhesion. <i>Chemical Science</i> , 2020, 11, 10367-10377.	3.7	91
8	Zwitterionic Peptide Cloak Mimics Protein Surfaces for Protein Protection. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22378-22381.	7.2	38
9	Zwitterionic Peptide Cloak Mimics Protein Surfaces for Protein Protection. <i>Angewandte Chemie</i> , 2020, 132, 22564-22567.	1.6	2
10	Photoreactive Carboxybetaine Copolymers Impart Biocompatibility and Inhibit Plasticizer Leaching on Polyvinyl Chloride. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41026-41037.	4.0	24
11	Zwitterionic Nanoconjugate Enables Safe and Efficient Lymphatic Drug Delivery. <i>Nano Letters</i> , 2020, 20, 4693-4699.	4.5	22
12	De novo design of functional zwitterionic biomimetic material for immunomodulation. <i>Science Advances</i> , 2020, 6, eaba0754.	4.7	54
13	Zwitterionic Polymer Conjugated Glucagon-like Peptide-1 for Prolonged Glycemic Control. <i>Bioconjugate Chemistry</i> , 2020, 31, 1812-1819.	1.8	13
14	Enhanced pulmonary systemic delivery of protein drugs via zwitterionic polymer conjugation. <i>Journal of Controlled Release</i> , 2020, 322, 170-176.	4.8	28
15	Nonfouling Surfaces. , 2020, , 507-513.		8
16	Strong Hydration at the Poly(ethylene glycol) Brush/Albumin Solution Interface. <i>Langmuir</i> , 2020, 36, 2030-2036.	1.6	23
17	Zwitterionic carboxybetaine polymers extend the shelf-life of human platelets. <i>Acta Biomaterialia</i> , 2020, 109, 51-60.	4.1	25
18	Protecting Enzymatic Activity via Zwitterionic Nanocapsulation for the Removal of Phenol Compound from Wastewater. <i>Langmuir</i> , 2019, 35, 1858-1863.	1.6	28

#	ARTICLE	IF	CITATIONS
19	Zwitterionic Hydrogels Based on a Degradable Disulfide Carboxybetaine Cross-Linker. <i>Langmuir</i> , 2019, 35, 1864-1871.	1.6	31
20	In situ real-time tracing of hierarchical targeting nanostructures in drug resistant tumors using diffuse fluorescence tomography. <i>Chemical Science</i> , 2019, 10, 7878-7886.	3.7	17
21	Trimethylamine <i>N</i> -oxide-derived zwitterionic polymers: A new class of ultralow fouling bioinspired materials. <i>Science Advances</i> , 2019, 5, eaaw9562.	4.7	149
22	Zwitterionic poly-carboxybetaine coating reduces artificial lung thrombosis in sheep and rabbits. <i>Acta Biomaterialia</i> , 2019, 92, 71-81.	4.1	47
23	Expansion of primitive human hematopoietic stem cells by culture in a zwitterionic hydrogel. <i>Nature Medicine</i> , 2019, 25, 1566-1575.	15.2	162
24	Zwitterionic Interfaces: Concepts and Emerging Applications Special Issue. <i>Langmuir</i> , 2019, 35, 1055-1055.	1.6	4
25	Nanoscavenger provides long-term prophylactic protection against nerve agents in rodents. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	56
26	Proactively Reducing Anti-Drug Antibodies via Immunomodulatory Bioconjugation. <i>Angewandte Chemie</i> , 2019, 131, 2455-2458.	1.6	0
27	Proactively Reducing Anti-Drug Antibodies via Immunomodulatory Bioconjugation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2433-2436.	7.2	10
28	Absolute Orientations of Water Molecules at Zwitterionic Polymer Interfaces and Interfacial Dynamics after Salt Exposure. <i>Langmuir</i> , 2019, 35, 1327-1334.	1.6	52
29	Evaluating the Effect of Shear Stress on Graft-To Zwitterionic Polycarboxybetaine Coating Stability Using a Flow Cell. <i>Langmuir</i> , 2019, 35, 1984-1988.	1.6	15
30	Ultralow Fouling and Functionalizable Surface Chemistry Based on Zwitterionic Carboxybetaine Random Copolymers. <i>Langmuir</i> , 2019, 35, 1544-1551.	1.6	60
31	Protein Encapsulation: Zwitterionic Nanocages Overcome the Efficacy Loss of Biologic Drugs (Adv.) <i>Tj ETQq1 1 0.784314 rgBT /Overl</i>	11.1	3
32	Zwitterionic Nanocages Overcome the Efficacy Loss of Biologic Drugs. <i>Advanced Materials</i> , 2018, 30, e1705728.	11.1	59
33	Mitigation of Inflammatory Immune Responses with Hydrophilic Nanoparticles. <i>Angewandte Chemie</i> , 2018, 130, 4617-4621.	1.6	10
34	Mitigation of Inflammatory Immune Responses with Hydrophilic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4527-4531.	7.2	66
35	Polypeptides with High Zwitterion Density for Safe and Effective Therapeutics. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7743-7747.	7.2	64
36	Polypeptides with High Zwitterion Density for Safe and Effective Therapeutics. <i>Angewandte Chemie</i> , 2018, 130, 7869-7873.	1.6	12

#	ARTICLE	IF	CITATIONS
37	A Chromatin-Mimetic Nanomedicine for Therapeutic Tolerance Induction. <i>ACS Nano</i> , 2018, 12, 12004-12014.	7.3	11
38	Self-Healing Zwitterionic Microgel Constructs: Self-Healing Zwitterionic Microgels as a Versatile Platform for Malleable Cell Constructs and Injectable Therapies (<i>Adv. Mater.</i> 39/2018). <i>Advanced Materials</i> , 2018, 30, 1870291.	11.1	5
39	Expressing a Monomeric Organophosphate Hydrolase as an EK Fusion Protein. <i>Bioconjugate Chemistry</i> , 2018, 29, 3686-3690.	1.8	9
40	Zwitterlation mitigates protein bioactivity loss <i>in vitro</i> over PEGylation. <i>Chemical Science</i> , 2018, 9, 8561-8566.	3.7	36
41	Revealing the Immunogenic Risk of Polymers. <i>Angewandte Chemie</i> , 2018, 130, 14069-14072.	1.6	6
42	Self-Healing Zwitterionic Microgels as a Versatile Platform for Malleable Cell Constructs and Injectable Therapies. <i>Advanced Materials</i> , 2018, 30, e1803087.	11.1	94
43	Effect of Surface Hydration on Antifouling Properties of Mixed Charged Polymers. <i>Langmuir</i> , 2018, 34, 6538-6545.	1.6	53
44	Classifying antimicrobial and multifunctional peptides with Bayesian network models. <i>Peptide Science</i> , 2018, 110, e24079.	1.0	15
45	Revealing the Immunogenic Risk of Polymers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13873-13876.	7.2	84
46	Achieving Ultralow Fouling under Ambient Conditions via Surface-Initiated ARGET ATRP of Carboxybetaine. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9255-9259.	4.0	79
47	Sterilization, hydration-dehydration and tube fabrication of zwitterionic hydrogels. <i>Biointerphases</i> , 2017, 12, 02C411.	0.6	11
48	A Coating-Free Nonfouling Polymeric Elastomer. <i>Advanced Materials</i> , 2017, 29, 1700617.	11.1	59
49	Preface to the Tribute to Keith E. Gubbins, Pioneer in the Theory of Liquids Special Issue. <i>Langmuir</i> , 2017, 33, 11095-11101.	1.6	3
50	Poly(ectoine) Hydrogels Resist Nonspecific Protein Adsorption. <i>Langmuir</i> , 2017, 33, 11264-11269.	1.6	19
51	Paper Sensor Coated with a Poly(carboxybetaine)-Multiple DOPA Conjugate via Dip-Coating for Biosensing in Complex Media. <i>Analytical Chemistry</i> , 2017, 89, 10999-11004.	3.2	49
52	Redefining the Protein-Protein Interface: Coarse Graining and Combinatorics for an Improved Understanding of Amino Acid Contributions to the Protein-Protein Binding Affinity. <i>Langmuir</i> , 2017, 33, 11511-11517.	1.6	3
53	Sensitive and Quantitative Detection of Anti-Poly(ethylene glycol) (PEG) Antibodies by Methoxy-PEG-Coated Surface Plasmon Resonance Sensors. <i>Analytical Chemistry</i> , 2017, 89, 8217-8222.	3.2	20
54	Stable and Functionalizable Quantum Dots with a Thin Zwitterionic Carboxybetaine Layer. <i>Langmuir</i> , 2017, 33, 8784-8789.	1.6	11

#	ARTICLE	IF	CITATIONS
55	Anti-PEG antibodies in the clinic: Current issues and beyond PEGylation. <i>Journal of Controlled Release</i> , 2016, 244, 184-193.	4.8	465
56	Multimodal, Biomaterial-Enabled Focused Anticoagulation via Superlow Fouling Zwitterionic Functional Groups Coupled with Anti-Platelet Nitric Oxide Release. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500646.	1.9	32
57	Directed neural stem cell differentiation on polyaniline-coated high strength hydrogels. <i>Materials Today Chemistry</i> , 2016, 1-2, 15-22.	1.7	42
58	Ultra-low fouling and high antibody loading zwitterionic hydrogel coatings for sensing and detection in complex media. <i>Acta Biomaterialia</i> , 2016, 40, 31-37.	4.1	77
59	Achieving low-fouling surfaces with oppositely charged polysaccharides via LBL assembly. <i>Acta Biomaterialia</i> , 2016, 40, 16-22.	4.1	20
60	Butyrylcholinesterase nanocapsule as a long circulating bioscavenger with reduced immune response. <i>Journal of Controlled Release</i> , 2016, 230, 73-78.	4.8	36
61	Hierarchical design of a polymeric nanovehicle for efficient tumor regression and imaging. <i>Nanoscale</i> , 2016, 8, 9318-9327.	2.8	13
62	Superhydrophilicity and spontaneous spreading on zwitterionic surfaces: carboxybetaine and sulfobetaine. <i>RSC Advances</i> , 2016, 6, 24827-24834.	1.7	40
63	Low-fouling electrospun PLLA films modified with zwitterionic poly(sulfobetaine) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50.422 Td	4.1	45
64	Hierarchical zwitterionic modification of a SERS substrate enables real-time drug monitoring in blood plasma. <i>Nature Communications</i> , 2016, 7, 13437.	5.8	156
65	Development of antithrombotic nanoconjugate blocking integrin $\alpha_2\beta_1$ -collagen interactions. <i>Scientific Reports</i> , 2016, 6, 26292.	1.6	6
66	Zwitterionic polymer-protein conjugates reduce polymer-specific antibody response. <i>Nano Today</i> , 2016, 11, 285-291.	6.2	89
67	Molecular level studies on interfacial hydration of zwitterionic and other antifouling polymers in situ. <i>Acta Biomaterialia</i> , 2016, 40, 6-15.	4.1	155
68	Harnessing isomerization-mediated manipulation of nonspecific cell/matrix interactions to reversibly trigger and suspend stem cell differentiation. <i>Chemical Science</i> , 2016, 7, 333-338.	3.7	32
69	Brazilin inhibits amyloid β -protein fibrillogenesis, remodels amyloid fibrils and reduces amyloid cytotoxicity. <i>Scientific Reports</i> , 2015, 5, 7992.	1.6	134
70	Stealth Surface Modification of Surface-Enhanced Raman Scattering Substrates for Sensitive and Accurate Detection in Protein Solutions. <i>ACS Nano</i> , 2015, 9, 2668-2676.	7.3	89
71	Functionalized plasmonic nanostructure arrays for direct and accurate mapping extracellular pH of living cells in complex media using SERS. <i>Biosensors and Bioelectronics</i> , 2015, 73, 202-207.	5.3	44
72	Probing the Surface Hydration of Nonfouling Zwitterionic and PEG Materials in Contact with Proteins. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 16881-16888.	4.0	223

#	ARTICLE	IF	CITATIONS
73	Probing the Surface Hydration of Nonfouling Zwitterionic and Poly(ethylene glycol) Materials with Isotopic Dilution Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8775-8780.	1.5	69
74	EKylation: Addition of an Alternating-Charge Peptide Stabilizes Proteins. <i>Biomacromolecules</i> , 2015, 16, 3357-3361.	2.6	51
75	Zwitterionic gel encapsulation promotes protein stability, enhances pharmacokinetics, and reduces immunogenicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12046-12051.	3.3	236
76	Thermoresponsive self-assembled NiPAm-zwitterion copolymers. <i>Polymer Chemistry</i> , 2015, 6, 1066-1077.	1.9	43
77	Molecular Understanding and Design of Zwitterionic Materials. <i>Advanced Materials</i> , 2015, 27, 15-26.	11.1	682
78	Restraint of the Differentiation of Mesenchymal Stem Cells by a Nonfouling Zwitterionic Hydrogel. <i>Angewandte Chemie</i> , 2014, 126, 12943-12948.	1.6	17
79	Restraint of the Differentiation of Mesenchymal Stem Cells by a Nonfouling Zwitterionic Hydrogel. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12729-12734.	7.2	64
80	Fluorescent porous silicon biological probes with high quantum efficiency and stability. <i>Optics Express</i> , 2014, 22, 29996.	1.7	6
81	Difference of Carboxybetaine and Oligo(ethylene glycol) Moieties in Altering Hydrophobic Interactions: A Molecular Simulation Study. <i>Journal of Physical Chemistry B</i> , 2014, 118, 189-194.	1.2	32
82	Chemical insights into dodecylamine spore lethal germination. <i>Chemical Science</i> , 2014, 5, 3320-3324.	3.7	5
83	Reversibly switchable polymer with cationic/zwitterionic/anionic behavior through synergistic protonation and deprotonation. <i>Chemical Science</i> , 2014, 5, 200-205.	3.7	82
84	Influence of Charged Groups on the Properties of Zwitterionic Moieties: A Molecular Simulation Study. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7630-7637.	1.2	99
85	Differences in Cationic and Anionic Charge Densities Dictate Zwitterionic Associations and Stimuli Responses. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6956-6962.	1.2	121
86	A Green Chemistry-Oriented Sporicidal Cocktail. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1734-1738.	3.2	0
87	One-Step Dip Coating of Zwitterionic Sulfobetaine Polymers on Hydrophobic and Hydrophilic Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6664-6671.	4.0	123
88	Integrated Antimicrobial and Nonfouling Zwitterionic Polymers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1746-1754.	7.2	516
89	A Robust Graft-to Strategy To Form Multifunctional and Stealth Zwitterionic Polymer-Coated Mesoporous Silica Nanoparticles. <i>Biomacromolecules</i> , 2014, 15, 1845-1851.	2.6	59
90	Cross-Linked Carboxybetaine SAMs Enable Nanoparticles with Remarkable Stability in Complex Media. <i>Langmuir</i> , 2014, 30, 2522-2529.	1.6	17

#	ARTICLE	IF	CITATIONS
91	Zwitterionic fusion in hydrogels and spontaneous and time-independent self-healing under physiological conditions. <i>Biomaterials</i> , 2014, 35, 3926-3933.	5.7	119
92	Achieving One-Step Surface Coating of Highly Hydrophilic Poly(Carboxybetaine Methacrylate) Polymers on Hydrophobic and Hydrophilic Surfaces. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400071.	1.9	80
93	In Situ Probing of the Surface Hydration of Zwitterionic Polymer Brushes: Structural and Environmental Effects. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15840-15845.	1.5	117
94	Poly(carboxybetaine) nanomaterials enable long circulation and prevent polymer-specific antibody production. <i>Nano Today</i> , 2014, 9, 10-16.	6.2	151
95	Biologically Inspired Stealth Peptide-Capped Gold Nanoparticles. <i>Langmuir</i> , 2014, 30, 1864-1870.	1.6	73
96	Cellulose Paper Sensors Modified with Zwitterionic Poly(carboxybetaine) for Sensing and Detection in Complex Media. <i>Analytical Chemistry</i> , 2014, 86, 2871-2875.	3.2	71
97	Engineering Buffering and Hydrolytic or Photolabile Charge Shifting in a Polycarboxybetaine Ester Gene Delivery Platform. <i>Biomacromolecules</i> , 2013, 14, 1587-1593.	2.6	43
98	Surface initiated atom transfer radical polymerization grafting of sodium styrene sulfonate from titanium and silicon substrates. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2013, 31, 06F103.	0.9	8
99	In situ controlled growth of well-dispersed Au nanoparticles inside the channels of SBA-15 using a simple, bio-inspired method for surface-enhanced Raman spectroscopy. <i>RSC Advances</i> , 2013, 3, 10154.	1.7	12
100	Effect of Carbon Spacer Length on Zwitterionic Carboxybetaines. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1357-1366.	1.2	101
101	Zwitterionic polymer-modified silicon microring resonators for label-free biosensing in undiluted human plasma. <i>Biosensors and Bioelectronics</i> , 2013, 42, 100-105.	5.3	44
102	Directly Functionalizable Surface Platform for Protein Arrays in Undiluted Human Blood Plasma. <i>Analytical Chemistry</i> , 2013, 85, 1447-1453.	3.2	41
103	Hydrolytic Cationic Ester Microparticles for Highly Efficient DNA Vaccine Delivery. <i>Small</i> , 2013, 9, 3439-3444.	5.2	36
104	Zwitterionic hydrogels implanted in mice resist the foreign-body reaction. <i>Nature Biotechnology</i> , 2013, 31, 553-556.	9.4	787
105	Screening nonspecific interactions of peptides without background interference. <i>Biomaterials</i> , 2013, 34, 1871-1877.	5.7	38
106	Blood-Inert Surfaces via Ion-Pair Anchoring of Zwitterionic Copolymer Brushes in Human Whole Blood. <i>Advanced Functional Materials</i> , 2013, 23, 1100-1110.	7.8	143
107	Functional Optical Imaging-based Biosensors Characterize Zwitterionic Coatings on SiO ₂ for Cancer Biomarker Detection. , 2012, , 20-42.		0
108	Two-Layer Architecture Using Atom Transfer Radical Polymerization for Enhanced Sensing and Detection in Complex Media. <i>Biomacromolecules</i> , 2012, 13, 4049-4056.	2.6	21

#	ARTICLE	IF	CITATIONS
109	Sequence, Structure, and Function of Peptide Self-Assembled Monolayers. <i>Journal of the American Chemical Society</i> , 2012, 134, 6000-6005.	6.6	254
110	Dry Film Refractive Index as an Important Parameter for Ultra-Low Fouling Surface Coatings. <i>Biomacromolecules</i> , 2012, 13, 589-593.	2.6	37
111	Superhydrophilic Zwitterionic Polymers Stabilize Liposomes. <i>Langmuir</i> , 2012, 28, 11625-11632.	1.6	96
112	Improved Mechanical Properties of Zwitterionic Hydrogels with Hydroxyl Groups. <i>Journal of Physical Chemistry B</i> , 2012, 116, 5766-5770.	1.2	36
113	Suppressing Surface Reconstruction of Superhydrophobic PDMS Using a Superhydrophilic Zwitterionic Polymer. <i>Biomacromolecules</i> , 2012, 13, 1683-1687.	2.6	93
114	Decoding nonspecific interactions from nature. <i>Chemical Science</i> , 2012, 3, 3488.	3.7	96
115	The effect of lightly crosslinked poly(carboxybetaine) hydrogel coating on the performance of sensors in whole blood. <i>Biomaterials</i> , 2012, 33, 7945-7951.	5.7	71
116	Synchronizing nonfouling and antimicrobial properties in a zwitterionic hydrogel. <i>Biomaterials</i> , 2012, 33, 8928-8933.	5.7	116
117	Super-hydrophilic zwitterionic poly(carboxybetaine) and amphiphilic non-ionic poly(ethylene glycol) for stealth nanoparticles. <i>Nano Today</i> , 2012, 7, 404-413.	6.2	270
118	Poly(zwitterionic)protein conjugates offer increased stability without sacrificing binding affinity or bioactivity. <i>Nature Chemistry</i> , 2012, 4, 59-63.	6.6	494
119	Role of Nonspecific Interactions in Molecular Chaperones through Model-Based Bioinformatics. <i>Biophysical Journal</i> , 2012, 103, 2484-2491.	0.2	11
120	Simple and Robust Approach for Passivating and Functionalizing Surfaces for Use in Complex Media. <i>Langmuir</i> , 2012, 28, 9707-9713.	1.6	31
121	Zwitterionic Polymer-Based Platform with Two-Layer Architecture for Ultra Low Fouling and High Protein Loading. <i>Analytical Chemistry</i> , 2012, 84, 3440-3445.	3.2	88
122	High Viability of Cells Encapsulated in Degradable Poly(carboxybetaine) Hydrogels. <i>Langmuir</i> , 2012, 28, 17778-17784.	1.6	30
123	Softer Zwitterionic Nanogels for Longer Circulation and Lower Splenic Accumulation. <i>ACS Nano</i> , 2012, 6, 6681-6686.	7.3	211
124	Internal Architecture of Zwitterionic Polymer Brushes Regulates Nonfouling Properties. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1003-1007.	2.0	38
125	Reversibly Switching the Function of a Surface between Attacking and Defending against Bacteria. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2602-2605.	7.2	237
126	Divalent cation-mediated polysaccharide interactions with zwitterionic surfaces. <i>Biomaterials</i> , 2012, 33, 2001-2006.	5.7	51

#	ARTICLE	IF	CITATIONS
127	Interactions of alginate-producing and -deficient <i>Pseudomonas aeruginosa</i> with zwitterionic polymers. <i>Biomaterials</i> , 2012, 33, 3626-3631.	5.7	28
128	Direct cell encapsulation in biodegradable and functionalizable carboxybetaine hydrogels. <i>Biomaterials</i> , 2012, 33, 5706-5712.	5.7	86
129	Controlled Hierarchical Architecture in Surface-Initiated Zwitterionic Polymer Brushes with Structurally Regulated Functionalities. <i>Advanced Materials</i> , 2012, 24, 1834-1837.	11.1	103
130	Molecular Dynamics Simulation Study of Ion Interactions with Zwitterions. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8358-8363.	1.2	78
131	Carboxybetaine Methacrylate Polymers Offer Robust, Long-Term Protection against Cell Adhesion. <i>Langmuir</i> , 2011, 27, 10800-10804.	1.6	20
132	Water Mobility: A Bridge between the Hofmeister Series of Ions and the Friction of Zwitterionic Surfaces in Aqueous Environments. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15525-15531.	1.5	21
133	Understanding Three Hydration-Dependent Transitions of Zwitterionic Carboxybetaine Hydrogel by Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11575-11580.	1.2	23
134	Local and Bulk Hydration of Zwitterionic Glycine and its Analogues through Molecular Simulations. <i>Journal of Physical Chemistry B</i> , 2011, 115, 660-667.	1.2	63
135	Photoiniferter-Mediated Polymerization of Zwitterionic Carboxybetaine Monomers for Low-Fouling and Functionalizable Surface Coatings. <i>Macromolecules</i> , 2011, 44, 9213-9220.	2.2	87
136	Thermodynamics of Water Stabilization of Carboxybetaine Hydrogels from Molecular Dynamics Simulations. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1757-1760.	2.1	18
137	Surface Plasmon Resonance Biosensor for Determination of Tetrodotoxin: Prevalidation Study. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 596-604.	0.7	12
138	Tetrodotoxin Detection by a Surface Plasmon Resonance Sensor in Pufferfish Matrices and Urine. <i>Journal of Sensors</i> , 2011, 2011, 1-10.	0.6	24
139	Uniform zwitterionic polymer hydrogels with a nonfouling and functionalizable crosslinker using photopolymerization. <i>Biomaterials</i> , 2011, 32, 6893-6899.	5.7	109
140	Single nonfouling hydrogels with mechanical and chemical functionality gradients. <i>Biomaterials</i> , 2011, 32, 8456-8461.	5.7	29
141	A Thermoresponsive Antimicrobial Wound Dressing Hydrogel Based on a Cationic Betaine Ester. <i>Advanced Functional Materials</i> , 2011, 21, 4028-4034.	7.8	106
142	Manipulating Sticky and Non-Sticky Properties in a Single Material. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6102-6104.	7.2	57
143	Zwitterionic poly(carboxybetaine) hydrogels for glucose biosensors in complex media. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2454-2459.	5.3	130
144	Multifunctional and degradable zwitterionic nanogels for targeted delivery, enhanced MR imaging, reduction-sensitive drug release, and renal clearance. <i>Biomaterials</i> , 2011, 32, 4604-4608.	5.7	116

#	ARTICLE	IF	CITATIONS
145	Functionalizable and nonfouling zwitterionic carboxybetaine hydrogels with a carboxybetaine dimethacrylate crosslinker. <i>Biomaterials</i> , 2011, 32, 961-968.	5.7	143
146	Chaotrope vs. kosmotrope: Which one has lower friction?. <i>Journal of Chemical Physics</i> , 2011, 135, 154702.	1.2	4
147	Ultralow Fouling, Functionalizable, and Hydrolyzable Zwitterionic Materials and Their Derivatives for Biological Applications. <i>Advanced Materials</i> , 2010, 22, 920-932.	11.1	1,697
148	Nanoparticles for Drug Delivery Prepared from Amphiphilic PLGA Zwitterionic Block Copolymers with Sharp Contrast in Polarity between Two Blocks. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3771-3776.	7.2	175
149	pH responsive properties of non-fouling mixed-charge polymer brushes based on quaternary amine and carboxylic acid monomers. <i>Biomaterials</i> , 2010, 31, 2919-2925.	5.7	159
150	Functionalizable and ultra-low fouling zwitterionic surfaces via adhesive mussel mimetic linkages. <i>Biomaterials</i> , 2010, 31, 1486-1492.	5.7	174
151	Mediating high levels of gene transfer without cytotoxicity via hydrolytic cationic ester polymers. <i>Biomaterials</i> , 2010, 31, 4186-4193.	5.7	35
152	Imaging and cell targeting characteristics of magnetic nanoparticles modified by a functionalizable zwitterionic polymer with adhesive 3,4-dihydroxyphenyl-L-alanine linkages. <i>Biomaterials</i> , 2010, 31, 6582-6588.	5.7	117
153	Ultra-low fouling and functionalizable zwitterionic coatings grafted onto SiO ₂ via a biomimetic adhesive group for sensing and detection in complex media. <i>Biosensors and Bioelectronics</i> , 2010, 25, 2276-2282.	5.3	95
154	Modulation of barnacle (<i>Balanus amphitrite</i> Darwin) cyprid settlement behavior by sulfobetaine and carboxybetaine methacrylate polymer coatings. <i>Biofouling</i> , 2010, 26, 673-683.	0.8	98
155	Functionalizable and Ultrastable Zwitterionic Nanogels. <i>Langmuir</i> , 2010, 26, 6883-6886.	1.6	73
156	Integrated Antimicrobial and Nonfouling Hydrogels to Inhibit the Growth of Planktonic Bacterial Cells and Keep the Surface Clean. <i>Langmuir</i> , 2010, 26, 10425-10428.	1.6	110
157	Label-Free Biomarker Sensing in Undiluted Serum with Suspended Microchannel Resonators. <i>Analytical Chemistry</i> , 2010, 82, 1905-1910.	3.2	100
158	Difference in Hydration between Carboxybetaine and Sulfobetaine. <i>Journal of Physical Chemistry B</i> , 2010, 114, 16625-16631.	1.2	198
159	Nonfouling Polyampholytes from an Ion-Pair Comonomer with Biomimetic Adhesive Groups. <i>Macromolecules</i> , 2010, 43, 14-16.	2.2	70
160	Engineering the Polymer Backbone To Strengthen Nonfouling Sulfobetaine Hydrogels. <i>Langmuir</i> , 2010, 26, 14793-14798.	1.6	112
161	Zwitterionic carboxybetaine polymer surfaces and their resistance to long-term biofilm formation. <i>Biomaterials</i> , 2009, 30, 5234-5240.	5.7	465
162	Functionalizable and ultra stable nanoparticles coated with zwitterionic poly(carboxybetaine) in undiluted blood serum. <i>Biomaterials</i> , 2009, 30, 5617-5621.	5.7	216

#	ARTICLE	IF	CITATIONS
163	Ultra-low fouling peptide surfaces derived from natural amino acids. <i>Biomaterials</i> , 2009, 30, 5892-5896.	5.7	265
164	Label-free detection of cancer biomarker candidates using surface plasmon resonance imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 1157-1163.	1.9	104
165	Direct detection of carcinoembryonic antigen autoantibodies in clinical human serum samples using a surface plasmon resonance sensor. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 70, 1-6.	2.5	66
166	Functionalizable surface platform with reduced nonspecific protein adsorption from full blood plasma—Material selection and protein immobilization optimization. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1924-1930.	5.3	170
167	Comparative study of SPR and ELISA methods based on analysis of CD166/ALCAM levels in cancer and control human sera. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2143-2148.	5.3	81
168	Novel Zwitterionic-Polymer-Coated Silica Nanoparticles. <i>Langmuir</i> , 2009, 25, 3196-3199.	1.6	84
169	Polysulfobetaine-Grafted Surfaces as Environmentally Benign Ultralow Fouling Marine Coatings. <i>Langmuir</i> , 2009, 25, 13516-13521.	1.6	235
170	Pursuing “Zero” Protein Adsorption of Poly(carboxybetaine) from Undiluted Blood Serum and Plasma. <i>Langmuir</i> , 2009, 25, 11911-11916.	1.6	289
171	Hydration of “Nonfouling” Functional Groups. <i>Journal of Physical Chemistry B</i> , 2009, 113, 197-201.	1.2	91
172	Zwitterionic Hydrogels: an in Vivo Implantation Study. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009, 20, 1845-1859.	1.9	99
173	Ultra low fouling zwitterionic polymers with a biomimetic adhesive group. <i>Biomaterials</i> , 2008, 29, 4592-4597.	5.7	231
174	Adhesion of MC3T3-E1 cells to bone sialoprotein and bone osteopontin specifically bound to collagen I. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 86A, 779-787.	2.1	28
175	pH-induced conformation changes of adsorbed vitronectin maximize its bovine aortic endothelial cell binding ability. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 87A, 505-514.	2.1	16
176	A Switchable Biocompatible Polymer Surface with Self-Sterilizing and Nonfouling Capabilities. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8831-8834.	7.2	325
177	An New Avenue to Nonfouling Materials. <i>Advanced Materials</i> , 2008, 20, 335-338.	11.1	369
178	The hydrolysis of cationic polycarboxybetaine esters to zwitterionic polycarboxybetaines with controlled properties. <i>Biomaterials</i> , 2008, 29, 4719-4725.	5.7	83
179	MC3T3-E1 cell adhesion to hydroxyapatite with adsorbed bone sialoprotein, bone osteopontin, and bovine serum albumin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 64, 236-247.	2.5	69
180	Blood compatibility of surfaces with superlow protein adsorption. <i>Biomaterials</i> , 2008, 29, 4285-4291.	5.7	424

#	ARTICLE	IF	CITATIONS
181	Nonfouling Polymer Brushes via Surface-Initiated, Two-Component Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2008, 41, 4216-4219.	2.2	170
182	Ultralow Fouling Zwitterionic Polymers Grafted from Surfaces Covered with an Initiator via an Adhesive Mussel Mimetic Linkage. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15269-15274.	1.2	89
183	Molecular simulation study of temperature effect on ionic hydration in carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 1896.	1.3	76
184	Film Thickness Dependence of Protein Adsorption from Blood Serum and Plasma onto Poly(sulfobetaine)-Grafted Surfaces. <i>Langmuir</i> , 2008, 24, 9211-9214.	1.6	220
185	Hybrid Surface Platform for the Simultaneous Detection of Proteins and DNAs Using a Surface Plasmon Resonance Imaging Sensor. <i>Analytical Chemistry</i> , 2008, 80, 4231-4236.	3.2	47
186	Surface Plasmon Resonance (SPR) Sensors for the Detection of Bacterial Pathogens. , 2008, , 83-108.		20
187	Origin of repulsive force and structure/dynamics of interfacial water in OEG-protein interactions: a molecular simulation study. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 5539.	1.3	112
188	Nonfouling Behavior of Polycarboxybetaine-Grafted Surfaces: Structural and Environmental Effects. <i>Biomacromolecules</i> , 2008, 9, 2686-2692.	2.6	244
189	Ultralow Fouling and Functionalizable Surface Chemistry Based on a Zwitterionic Polymer Enabling Sensitive and Specific Protein Detection in Undiluted Blood Plasma. <i>Analytical Chemistry</i> , 2008, 80, 7894-7901.	3.2	381
190	Physical, Chemical, and Chemical-Physical Double Network of Zwitterionic Hydrogels. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5327-5332.	1.2	99
191	Molecular Simulation Studies of Protein Interactions with Zwitterionic Phosphorylcholine Self-Assembled Monolayers in the Presence of Water. <i>Langmuir</i> , 2008, 24, 10358-10364.	1.6	319
192	Zwitterionic Polymers Exhibiting High Resistance to Nonspecific Protein Adsorption from Human Serum and Plasma. <i>Biomacromolecules</i> , 2008, 9, 1357-1361.	2.6	712
193	Reduced foreign body reaction to implanted biomaterials by surface treatment with oriented osteopontin. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2008, 19, 821-835.	1.9	48
194	A molecular simulation study of methylated and hydroxyl sugar-based self-assembled monolayers: Surface hydration and resistance to protein adsorption. <i>Journal of Chemical Physics</i> , 2008, 129, 215101.	1.2	31
195	Molecular simulation studies of nanoscale friction between phosphorylcholine self-assembled monolayer surfaces: Correlation between surface hydration and friction. <i>Journal of Chemical Physics</i> , 2007, 127, 084708.	1.2	13
196	Capillary Differentiation of Endothelial Cells on Microgrooved Surfaces. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14602-14606.	1.5	5
197	Development of Biocompatible Interpenetrating Polymer Networks Containing a Sulfobetaine-Based Polymer and a Segmented Polyurethane for Protein Resistance. <i>Biomacromolecules</i> , 2007, 8, 122-127.	2.6	132
198	Protein interactions with oligo(ethylene glycol) (OEG) self-assembled monolayers: OEG stability, surface packing density and protein adsorption. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2007, 18, 1415-1427.	1.9	170

#	ARTICLE	IF	CITATIONS
199	Stepwise Assembly of Fibrin Bilayers on Self-Assembled Monolayers of Alkanethiolates: Influence of Surface Chemistry. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8504-8508.	1.5	13
200	Endothelial Cell Migration on Surface-Density Gradients of Fibronectin, VEGF, or Both Proteins. <i>Langmuir</i> , 2007, 23, 11168-11173.	1.6	132
201	Controlling the orientation of bone osteopontin via its specific binding with collagen I to modulate osteoblast adhesion. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 102-110.	2.1	32
202	Inhibition of bacterial adhesion and biofilm formation on zwitterionic surfaces. <i>Biomaterials</i> , 2007, 28, 4192-4199.	5.7	640
203	Stop band shift based chemical sensing with three-dimensional opal and inverse opal structures. <i>Sensors and Actuators B: Chemical</i> , 2007, 124, 452-458.	4.0	46
204	Superlow Fouling Sulfobetaine and Carboxybetaine Polymers on Glass Slides. <i>Langmuir</i> , 2006, 22, 10072-10077.	1.6	601
205	Strong Resistance of a Thin Crystalline Layer of Balanced Charged Groups to Protein Adsorption. <i>Langmuir</i> , 2006, 22, 8186-8191.	1.6	211
206	Dual-Functional Biomimetic Materials: A Nonfouling Poly(carboxybetaine) with Active Functional Groups for Protein Immobilization. <i>Biomacromolecules</i> , 2006, 7, 3311-3315.	2.6	430
207	Highly Protein-Resistant Coatings from Well-Defined Diblock Copolymers Containing Sulfobetaines. <i>Langmuir</i> , 2006, 22, 2222-2226.	1.6	284
208	SPR Biosensors for Detection of Biological and Chemical Analytes. <i>Springer Series on Chemical Sensors and Biosensors</i> , 2006, , 177-190.	0.5	9
209	Understanding the nonfouling mechanism of surfaces through molecular simulations of sugar-based self-assembled monolayers. <i>Journal of Chemical Physics</i> , 2006, 125, 214704.	1.2	76
210	Strong Resistance of Oligo(phosphorylcholine) Self-Assembled Monolayers to Protein Adsorption. <i>Langmuir</i> , 2006, 22, 2418-2421.	1.6	92
211	Controlling DNA Orientation on Mixed ssDNA/OEG SAMs. <i>Langmuir</i> , 2006, 22, 4694-4698.	1.6	89
212	Secreted protein acidic and rich in cysteine (SPARC/osteonectin/BM-40) binds to fibrinogen fragments D and E, but not to native fibrinogen. <i>Matrix Biology</i> , 2006, 25, 20-26.	1.5	16
213	Quantitative and simultaneous detection of four foodborne bacterial pathogens with a multi-channel SPR sensor. <i>Biosensors and Bioelectronics</i> , 2006, 22, 752-758.	5.3	274
214	Studies of β -crystallin subunit dynamics by surface plasmon resonance. <i>Analytical Biochemistry</i> , 2006, 350, 186-195.	1.1	25
215	Surface Grafted Sulfobetaine Polymers via Atom Transfer Radical Polymerization as Superlow Fouling Coatings. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10799-10804.	1.2	497
216	Modulating cell adhesion and spreading by control of FnIII β orientation on charged self-assembled monolayers (SAMs) of alkanethiolates. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 77A, 672-678.	2.1	34

#	ARTICLE	IF	CITATIONS
217	Molecular simulation studies of the structure of phosphorylcholine self-assembled monolayers. <i>Journal of Chemical Physics</i> , 2006, 125, 174714.	1.2	41
218	Detection of low-molecular-weight domoic acid using surface plasmon resonance sensor. <i>Sensors and Actuators B: Chemical</i> , 2005, 107, 193-201.	4.0	111
219	Comparison of <i>E. coli</i> O157:H7 preparation methods used for detection with surface plasmon resonance sensor. <i>Sensors and Actuators B: Chemical</i> , 2005, 107, 202-208.	4.0	111
220	Strong Resistance of Phosphorylcholine Self-Assembled Monolayers to Protein Adsorption: Insights into Nonfouling Properties of Zwitterionic Materials. <i>Journal of the American Chemical Society</i> , 2005, 127, 14473-14478.	6.6	918
221	Controlling osteopontin orientation on surfaces to modulate endothelial cell adhesion. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 74A, 23-31.	2.1	73
222	Improved Method for the Preparation of Carboxylic Acid and Amine Terminated Self-Assembled Monolayers of Alkanethiolates. <i>Langmuir</i> , 2005, 21, 2633-2636.	1.6	230
223	Intramolecular Janus Segregation of a Heteroarm Star Copolymer. <i>Macromolecules</i> , 2005, 38, 6201-6209.	2.2	41
224	Identifying the SPARC Binding Sites on Collagen I and Procollagen I by Atomic Force Microscopy. <i>Analytical Chemistry</i> , 2005, 77, 6765-6771.	3.2	35
225	Protein Adsorption on Oligo(ethylene glycol)-Terminated Alkanethiolate Self-Assembled Monolayers: The Molecular Basis for Nonfouling Behavior. <i>Journal of Physical Chemistry B</i> , 2005, 109, 2934-2941.	1.2	461
226	Strong Repulsive Forces between Protein and Oligo (Ethylene Glycol) Self-Assembled Monolayers: A Molecular Simulation Study. <i>Biophysical Journal</i> , 2005, 89, 158-166.	0.2	310
227	DNA-Directed Protein Immobilization on Mixed Self-Assembled Monolayers via a Streptavidin Bridge. <i>Langmuir</i> , 2004, 20, 8090-8095.	1.6	130
228	Probing the Orientation of Surface-Immobilized Immunoglobulin G by Time-of-Flight Secondary Ion Mass Spectrometry. <i>Langmuir</i> , 2004, 20, 1877-1887.	1.6	152
229	Molecular Simulation Studies of the Orientation and Conformation of Cytochrome c Adsorbed on Self-Assembled Monolayers. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17418-17424.	1.2	145
230	DNA Directed Protein Immobilization on Mixed ssDNA/Oligo(ethylene glycol) Self-Assembled Monolayers for Sensitive Biosensors. <i>Analytical Chemistry</i> , 2004, 76, 6967-6972.	3.2	148
231	Molecular Simulation Study of Water Interactions with Oligo (Ethylene Glycol)-Terminated Alkanethiol Self-Assembled Monolayers. <i>Langmuir</i> , 2004, 20, 8931-8938.	1.6	270
232	Controlling Antibody Orientation on Charged Self-Assembled Monolayers. <i>Langmuir</i> , 2003, 19, 2859-2864.	1.6	232
233	Surface functionalization for self-referencing surface plasmon resonance (SPR) biosensors by multi-step self-assembly. <i>Sensors and Actuators B: Chemical</i> , 2003, 90, 22-30.	4.0	116
234	Tip-Based Hybrid Simulation Study of Frictional Properties of Self-Assembled Monolayers: Effects of Chain Length, Terminal Group, Scan Direction, and Scan Velocity. <i>Langmuir</i> , 2003, 19, 9742-9747.	1.6	37

#	ARTICLE	IF	CITATIONS
235	Protein Adsorption on Alkanethiolate Self-Assembled Monolayers: A Nanoscale Surface Structural and Chemical Effects. <i>Langmuir</i> , 2003, 19, 2974-2982.	1.6	78
236	Nanoscale Frictional Properties of Mixed Alkanethiol Self-Assembled Monolayers on Au(111) by Scanning Force Microscopy: A Humidity Effect. <i>Langmuir</i> , 2003, 19, 666-671.	1.6	25
237	Orientation of Adsorbed Antibodies on Charged Surfaces by Computer Simulation Based on a United-Residue Model. <i>Langmuir</i> , 2003, 19, 3472-3478.	1.6	129
238	Molecular-Scale Mixed Alkanethiol Monolayers of Different Terminal Groups on Au(111) by Low-Current Scanning Tunneling Microscopy. <i>Langmuir</i> , 2003, 19, 3266-3271.	1.6	58
239	Molecular simulation study of nanoscale friction between alkyl monolayers on Si(111) immersed in solvents. <i>Journal of Chemical Physics</i> , 2003, 119, 765-770.	1.2	17
240	Cell multipole method for molecular simulations in bulk and confined systems. <i>Journal of Chemical Physics</i> , 2003, 118, 5347-5355.	1.2	12
241	Orientation of a Y-shaped biomolecule adsorbed on a charged surface. <i>Physical Review E</i> , 2002, 66, 011911.	0.8	14
242	Molecular simulation study of nanoscale friction for alkyl monolayers on Si(111). <i>Journal of Chemical Physics</i> , 2002, 117, 1804-1811.	1.2	57
243	Measurements of Friction and Adhesion for Alkyl Monolayers on Si(111) by Scanning Force Microscopy. <i>Langmuir</i> , 2002, 18, 5448-5456.	1.6	51
244	Radial Size of a Starburst Dendrimer in Solvents of Varying Quality. <i>Macromolecules</i> , 2002, 35, 7865-7868.	2.2	65
245	Molecular simulation study of the $c(4\sqrt{2})$ superlattice structure of alkanethiol self-assembled monolayers on Au(111). <i>Journal of Chemical Physics</i> , 2002, 117, 7342-7349.	1.2	106
246	Molecular simulation studies of self-assembled monolayers of alkanethiols on Au(111). <i>Molecular Physics</i> , 2002, 100, 2261-2275.	0.8	42
247	Transport diffusion of liquid water and methanol through membranes. <i>Journal of Chemical Physics</i> , 2002, 117, 808-818.	1.2	44
248	Spectral surface plasmon resonance biosensor for detection of staphylococcal enterotoxin B in milk. <i>International Journal of Food Microbiology</i> , 2002, 75, 61-69.	2.1	301
249	In Situ Single-Molecule Detection of Antibody-Antigen Binding by Tapping-Mode Atomic Force Microscopy. <i>Analytical Chemistry</i> , 2002, 74, 6017-6022.	3.2	52
250	Nonequilibrium molecular dynamics simulations of confined fluids in contact with the bulk. <i>Journal of Chemical Physics</i> , 2001, 114, 6869-6877.	1.2	41
251	Controlled Chemical and Structural Properties of Mixed Self-Assembled Monolayers by Coadsorption of Symmetric and Asymmetric Disulfides on Au(111). <i>Journal of Physical Chemistry B</i> , 2001, 105, 2975-2980.	1.2	69
252	Molecular Simulation Study of Alkyl Monolayers on Si(111). <i>Langmuir</i> , 2001, 17, 6275-6281.	1.6	66

#	ARTICLE	IF	CITATIONS
253	Spanning Time Scales in Dynamic Simulations of Atomic-Scale Friction. Tribology Letters, 2001, 11, 111-115.	1.2	6
254	Atomic indentation and friction of self-assembled monolayers by hybrid molecular simulations. Journal of Chemical Physics, 2000, 113, 8800-8806.	1.2	60
255	Nanoscale Frictional Properties of Pure and Mixed Alkanethiols on Au(111) by Scanning Force Microscopy. ACS Symposium Series, 2000, , 168-177.	0.5	0
256	Controlled Chemical and Structural Properties of Mixed Self-Assembled Monolayers of Alkanethiols on Au(111). Langmuir, 2000, 16, 9287-9293.	1.6	133
257	Vapour-liquid equilibria in two-dimensional Lennard-Jones fluids: unperturbed and substrate-mediated films. Molecular Physics, 1995, 86, 599-612.	0.8	45
258	Adsorption, isosteric heat and commensurate-incommensurate transition of methane on graphite. Molecular Physics, 1993, 80, 103-116.	0.8	56
259	Layering, freezing transitions, capillary condensation and diffusion of methane in slit carbon pores. Molecular Physics, 1993, 79, 373-391.	0.8	89
260	Computer Simulation Study of Adsorption, Isosteric Heat and Phase Transitions of Methane on Graphite. Materials Research Society Symposia Proceedings, 1992, 290, 191.	0.1	2