

# Zhan Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1767086/publications.pdf>

Version: 2024-02-01

323  
papers

16,339  
citations

12597

71  
h-index

32181

105  
g-index

329  
all docs

329  
docs citations

329  
times ranked

15497  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing protein aggregation at buried interfaces: distinguishing between adsorbed protein monomers, dimers, and a monomer-dimer mixture <i>in situ</i> . <i>Chemical Science</i> , 2022, 13, 975-984.	3.7	13
2	Probing Covalent Interactions at a Silicone Adhesive/Nylon Interface. <i>Langmuir</i> , 2022, 38, 2590-2600.	1.6	9
3	Surface Hydration and Antifouling Activity of Zwitterionic Polymers. <i>Langmuir</i> , 2022, 38, 4483-4489.	1.6	40
4	Enabling Tunable Water-Responsive Surface Adaptation of PDMS via Metal-Ligand Coordinated Dynamic Networks. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	8
5	Molecular Interactions between Amino Silane Adhesion Promoter and Acrylic Polymer Adhesive at Buried Silica Interfaces. <i>Langmuir</i> , 2022, 38, 6180-6190.	1.6	10
6	Early sum frequency generation vibrational spectroscopic studies on peptides and proteins at interfaces. <i>Biointerphases</i> , 2022, 17, 031202.	0.6	9
7	Interfacial reaction of a maleic anhydride grafted polyolefin with ethylene vinyl alcohol copolymer at the buried solid/solid interface. <i>Polymer</i> , 2021, 212, 123141.	1.8	17
8	Why Are Water Droplets Highly Mobile on Nanostructured Oil-Impregnated Surfaces?. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 15901-15909.	4.0	23
9	Interfacial Structure and Interfacial Tension in Model Carbon Fiber-Reinforced Polymers. <i>Langmuir</i> , 2021, 37, 5311-5320.	1.6	11
10	Molecular Orientations at Buried Conducting Polymer/Graphene Interfaces. <i>Macromolecules</i> , 2021, 54, 4050-4060.	2.2	6
11	Molecular Structure of the Surface-Immobilized Super Uranyl Binding Protein. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7706-7716.	1.2	21
12	Effect of Surfactant Concentration and Hydrophobicity on the Ordering of Water at a Silica Surface. <i>Langmuir</i> , 2021, 37, 10806-10817.	1.6	3
13	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
14	Relaxation behavior of polymer thin films: Effects of free surface, buried interface, and geometrical confinement. <i>Progress in Polymer Science</i> , 2021, 120, 101431.	11.8	34
15	Elucidating molecular mechanisms of two-dimensional chemical reactions. <i>CheM</i> , 2021, 7, 2548-2550.	5.8	3
16	Probing Orientations and Conformations of Peptides and Proteins at Buried Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10144-10155.	2.1	24
17	Interfacial Behavior of Flux Residues and Its Impact on Copper/Underfill Adhesion in Microelectronic Packaging. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2021, 143, .	1.2	5
18	Investigation of the Atmospheric Moisture Effect on the Molecular Behavior of an Isocyanate-Based Primer Surface. <i>Langmuir</i> , 2021, 37, 12705-12713.	1.6	11

#	ARTICLE	IF	CITATIONS
19	Investigating Thin Silicone Oil Films Using Four-Wave Mixing Spectroscopy and Sum Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2021, 37, 14540-14549.	1.6	8
20	Mitochondria-acting nanomicelles for destruction of cancer cells via excessive mitophagy/autophagy-driven lethal energy depletion and phototherapy. <i>Biomaterials</i> , 2020, 232, 119668.	5.7	70
21	Understanding Molecular Structures of Buried Interfaces in Halide Perovskite Photovoltaic Devices Nondestructively with Submonolayer Sensitivity Using Sum Frequency Generation Vibrational Spectroscopy. <i>Advanced Energy Materials</i> , 2020, 10, 1903053.	10.2	36
22	Observing a Chemical Reaction at a Buried Solid/Solid Interface in Situ. <i>Analytical Chemistry</i> , 2020, 92, 14145-14152.	3.2	21
23	Probing Molecular Interactions between Surface-Immobilized Antimicrobial Peptides and Lipopolysaccharides <i>In Situ</i> . <i>Langmuir</i> , 2020, 36, 12383-12393.	1.6	11
24	Surface hydration for antifouling and bio-adhesion. <i>Chemical Science</i> , 2020, 11, 10367-10377.	3.7	91
25	Probing Molecular Behavior of Carbonyl Groups at Buried Nylon/Polyolefin Interfaces in Situ. <i>Langmuir</i> , 2020, 36, 11349-11357.	1.6	15
26	Nondestructive In Situ Detection of Chemical Reactions at the Buried Interface between Polyurethane and Isocyanate-Based Primer. <i>Macromolecules</i> , 2020, 53, 10189-10197.	2.2	20
27	Corn Oil/Water Separation: Interactions of Proteins and Surfactants at Corn Oil/Water Interfaces. <i>Langmuir</i> , 2020, 36, 4044-4054.	1.6	22
28	Probing Biological Molecule Orientation and Polymer Surface Structure at the Polymer/Solution Interface In Situ. <i>Langmuir</i> , 2020, 36, 7681-7690.	1.6	16
29	Strong Hydration at the Poly(ethylene glycol) Brush/Albumin Solution Interface. <i>Langmuir</i> , 2020, 36, 2030-2036.	1.6	23
30	Calcium-dependent and -independent annexin V binding: distinct molecular behaviours at cell membrane interfaces. <i>Chemical Communications</i> , 2020, 56, 1653-1656.	2.2	6
31	Molecular Insights into Adhesion at a Buried Silica-Filled Silicone/Polyethylene Terephthalate Interface. <i>Langmuir</i> , 2020, 36, 15128-15140.	1.6	19
32	Preface to the Interfacial Science Developments at the Chinese Academy of Sciences Virtual Special Issue. <i>Langmuir</i> , 2020, 36, 12087-12087.	1.6	0
33	Metal Ion Size-Dependent Effects on Lipid Transmembrane Flip-Flop. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17899-17907.	1.5	10
34	Probing the Interfacial Interactions of Monoclonal and Bispecific Antibodies at the Silicone Oil/Water Aqueous Solution Interface by Using Sum Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2019, 35, 14339-14347.	1.6	21
35	Nanomaterials meet zebrafish: Toxicity evaluation and drug delivery applications. <i>Journal of Controlled Release</i> , 2019, 311-312, 301-318.	4.8	105
36	Probing Metal Ion Discrimination in a Protein Designed to Bind Uranyl Cation With Femtomolar Affinity. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 73.	1.6	6

#	ARTICLE	IF	CITATIONS
37	Probing Surface Hydration and Molecular Structure of Zwitterionic and Polyacrylamide Hydrogels. <i>Langmuir</i> , 2019, 35, 13292-13300.	1.6	25
38	The Role of Hydrogen Bonding in Peptoid-Based Marine Antifouling Coatings. <i>Macromolecules</i> , 2019, 52, 1287-1295.	2.2	41
39	Molecular Mechanisms of Interactions between Monolayered Transition Metal Dichalcogenides and Biological Molecules. <i>Journal of the American Chemical Society</i> , 2019, 141, 9980-9988.	6.6	28
40	&lt;p&gt;Characterization of apolipoprotein A-I peptide phospholipid interaction and its effect on HDL nanodisc assembly&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 3069-3086.	3.3	21
41	Supramolecular Nanogels: Smart Supramolecular “Trojan Horse”-Inspired Nanogels for Realizing Light-Triggered Nuclear Drug Influx in Drug-Resistant Cancer Cells ( <i>Adv. Funct. Mater.</i> 13/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970085.	7.8	2
42	Nitric oxide releasing poly(vinylidene fluoride-co-hexafluoropropylene) films using a fluorinated nitric oxide donor to greatly decrease chemical leaching. <i>Acta Biomaterialia</i> , 2019, 90, 112-121.	4.1	8
43	Preface to The 15th Pacific Polymer Conference (PPC-15) Virtual Issue. <i>Langmuir</i> , 2019, 35, 4413-4414.	1.6	0
44	Control of Protein Conformation and Orientation on Graphene. <i>Journal of the American Chemical Society</i> , 2019, 141, 20335-20343.	6.6	52
45	Smart Supramolecular “Trojan Horse”-Inspired Nanogels for Realizing Light-Triggered Nuclear Drug Influx in Drug-Resistant Cancer Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1807772.	7.8	48
46	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
47	Carboxymethyl cellulose/polyacrylamide composite hydrogel for cascaded treatment/reuse of heavy metal ions in wastewater. <i>Journal of Hazardous Materials</i> , 2019, 364, 28-38.	6.5	316
48	Self-Assembled Rose Bengal-Exopolysaccharide Nanoparticles for Improved Photodynamic Inactivation of Bacteria by Enhancing Singlet Oxygen Generation Directly in the Solution. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 16715-16722.	4.0	79
49	Observing different dynamic behaviors of weakly and strongly adsorbed polystyrene chains at interfaces. <i>Soft Matter</i> , 2018, 14, 2762-2766.	1.2	9
50	Development of a Light-Controlled Nanoplatfom for Direct Nuclear Delivery of Molecular and Nanoscale Materials. <i>Journal of the American Chemical Society</i> , 2018, 140, 4062-4070.	6.6	135
51	One-Step Synthesis of Ultrasmall and Ultrabright Organosilica Nanodots with 100% Photoluminescence Quantum Yield: Long-Term Lysosome Imaging in Living, Fixed, and Permeabilized Cells. <i>Nano Letters</i> , 2018, 18, 1159-1167.	4.5	120
52	Monitoring Antimicrobial Mechanisms of Surface-Immobilized Peptides in Situ. <i>Langmuir</i> , 2018, 34, 2057-2062.	1.6	33
53	Molecular Interactions Between Silver Nanoparticles and Model Cell Membranes. <i>Topics in Catalysis</i> , 2018, 61, 1148-1162.	1.3	16
54	Glutathione-Depleting Gold Nanoclusters for Enhanced Cancer Radiotherapy through Synergistic External and Internal Regulations. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 10601-10606.	4.0	84

#	ARTICLE	IF	CITATIONS
55	Understanding Protein-Interface Interactions of a Fusion Protein at Silicone Oil-Water Interface Probed by Sum Frequency Generation Vibrational Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 682-689.	1.6	30
56	Molecular interactions between single layered MoS <sub>2</sub> and biological molecules. <i>Chemical Science</i> , 2018, 9, 1769-1773.	3.7	32
57	Interactions between Surface-Immobilized Antimicrobial Peptides and Model Bacterial Cell Membranes. <i>Langmuir</i> , 2018, 34, 512-520.	1.6	16
58	Effect of immobilization site on the orientation and activity of surface-tethered enzymes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1021-1029.	1.3	43
59	Surface Analysis: Sum Frequency Generation Spectroscopy. , 2018, , 393-393.		0
60	Investigating the Effect of Two-Point Surface Attachment on Enzyme Stability and Activity. <i>Journal of the American Chemical Society</i> , 2018, 140, 16560-16569.	6.6	51
61	Exopolysaccharide-Derived Carbon Dots for Microbial Viability Assessment. <i>Frontiers in Microbiology</i> , 2018, 9, 2697.	1.5	29
62	Chemically Immobilized Antimicrobial Peptide on Polymer and Self-Assembled Monolayer Substrates. <i>Langmuir</i> , 2018, 34, 12889-12896.	1.6	41
63	Constitutive hyperproduction of sorbicillinoids in <i>Trichoderma reesei</i> ZC121. <i>Biotechnology for Biofuels</i> , 2018, 11, 291.	6.2	38
64	Nondestructive Analysis of Buried Interfacial Behaviors of Flux Residue and Their Impact on Interfacial Mechanical Property. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2018, 8, 982-990.	1.4	7
65	Probing Molecular Structures of Buried Interfaces in Thick Multilayered Microelectronic Packages. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2018, 8, 1213-1224.	1.4	6
66	Simultaneous Observation of the Orientation and Activity of Surface-Immobilized Enzymes. <i>Langmuir</i> , 2018, 34, 9133-9140.	1.6	28
67	Structures and Adhesion Properties at Polyethylene/Silica and Polyethylene/Nylon Interfaces. <i>Langmuir</i> , 2018, 34, 6194-6204.	1.6	19
68	Effect of Surface Hydration on Antifouling Properties of Mixed Charged Polymers. <i>Langmuir</i> , 2018, 34, 6538-6545.	1.6	53
69	Molecular Coupling between Organic Molecules and Metal. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5167-5172.	2.1	7
70	Bacteria-Derived Carbon Dots Inhibit Biofilm Formation of <i>Escherichia coli</i> without Affecting Cell Growth. <i>Frontiers in Microbiology</i> , 2018, 9, 259.	1.5	77
71	Molecular Interactions between Graphene and Biological Molecules. <i>Journal of the American Chemical Society</i> , 2017, 139, 1928-1936.	6.6	96
72	Effect of Interfacial Molecular Orientation on Power Conversion Efficiency of Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 3378-3386.	6.6	61

#	ARTICLE	IF	CITATIONS
73	Engineered Surface-Immobilized Enzyme that Retains High Levels of Catalytic Activity in Air. <i>Journal of the American Chemical Society</i> , 2017, 139, 2872-2875.	6.6	37
74	Plasma membrane activatable polymeric nanotheranostics with self-enhanced light-triggered photosensitizer cellular influx for photodynamic cancer therapy. <i>Journal of Controlled Release</i> , 2017, 255, 231-241.	4.8	77
75	Cholesterol-Assisted Bacterial Cell Surface Engineering for Photodynamic Inactivation of Gram-Positive and Gram-Negative Bacteria. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 15943-15951.	4.0	147
76	Fluorescence studies on the interaction between chlorpromazine and model cell membranes. <i>New Journal of Chemistry</i> , 2017, 41, 4048-4057.	1.4	12
77	Plasma treatment effect on polymer buried interfacial structure and property. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12144-12155.	1.3	22
78	Imaging biofilm-encased microorganisms using carbon dots derived from <i>L. plantarum</i> . <i>Nanoscale</i> , 2017, 9, 9056-9064.	2.8	56
79	SFG analysis of the molecular structures at the surfaces and buried interfaces of PECVD ultralow-dielectric constant pSiCOH: Reactive ion etching and dielectric recovery. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	5
80	Photosensitizer (PS)/polyhedral oligomeric silsesquioxane (POSS)-crosslinked nanohybrids for enhanced imaging-guided photodynamic cancer therapy. <i>Nanoscale</i> , 2017, 9, 12874-12884.	2.8	66
81	Hydrogel-based phototherapy for fighting cancer and bacterial infection. <i>Science China Materials</i> , 2017, 60, 487-503.	3.5	78
82	Self-Assembled Exopolysaccharide Nanoparticles for Bioremediation and Green Synthesis of Noble Metal Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 22808-22818.	4.0	86
83	Shape-Dependent Radiosensitization Effect of Gold Nanostructures in Cancer Radiotherapy: Comparison of Gold Nanoparticles, Nanospikes, and Nanorods. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13037-13048.	4.0	175
84	Dual Channel Activatable Cyanine Dye for Mitochondrial Imaging and Mitochondria-Targeted Cancer Theranostics. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 3596-3606.	2.6	75
85	Enhanced Fluorescence Emission and Singlet Oxygen Generation of Photosensitizers Embedded in Injectable Hydrogels for Imaging-Guided Photodynamic Cancer Therapy. <i>Biomacromolecules</i> , 2017, 18, 3073-3081.	2.6	47
86	Distinct Molecular Structures of Edge and Middle Positions of Plasma Treated Covered Polymer Film Surfaces Relevant in the Microelectronics Industry. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2017, 7, 1377-1390.	1.4	8
87	Permeabilization-Tolerant Plasma Membrane Imaging Reagent Based on Amine-Rich Glycol Chitosan Derivatives. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 2570-2578.	2.6	16
88	Action of Gold Nanospikes-Based Nanoradiosensitizers: Cellular Internalization, Radiotherapy, and Autophagy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 31526-31542.	4.0	92
89	Capsaicin-Inspired Thiol-ene Terpolymer Networks Designed for Antibiofouling Coatings. <i>Langmuir</i> , 2017, 33, 13689-13698.	1.6	26
90	Carbon quantum dots with intrinsic mitochondrial targeting ability for mitochondria-based theranostics. <i>Nanoscale</i> , 2017, 9, 10948-10960.	2.8	167

#	ARTICLE	IF	CITATIONS
91	Effect of Surface Crowding and Surface Hydrophilicity on the Activity, Stability and Molecular Orientation of a Covalently Tethered Enzyme. <i>Langmuir</i> , 2017, 33, 7152-7159.	1.6	28
92	Bacteria-derived fluorescent carbon dots for microbial live/dead differentiation. <i>Nanoscale</i> , 2017, 9, 2150-2161.	2.8	155
93	Studying Polymer Surfaces and Interfaces with Sum Frequency Generation Vibrational Spectroscopy. <i>Analytical Chemistry</i> , 2017, 89, 466-489.	3.2	115
94	Cellulase hyper-production by <i>Trichoderma reesei</i> mutant SEU-7 on lactose. <i>Biotechnology for Biofuels</i> , 2017, 10, 228.	6.2	58
95	Sum Frequency Generation of Interfacial Lipid Monolayers Shows Polarization Dependence on Experimental Geometries. <i>Langmuir</i> , 2016, 32, 7086-7095.	1.6	15
96	SFG analysis of the molecular structures at the surfaces and buried interfaces of PECVD ultralow-dielectric constant pSiCOH. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	9
97	Folding Behaviors of Protein (Lysozyme) Confined in Polyelectrolyte Complex Micelle. <i>Langmuir</i> , 2016, 32, 3655-3664.	1.6	22
98	Engineering and Characterization of Peptides and Proteins at Surfaces and Interfaces: A Case Study in Surface-Sensitive Vibrational Spectroscopy. <i>Accounts of Chemical Research</i> , 2016, 49, 1149-1157.	7.6	94
99	Universal Cell Surface Imaging for Mammalian, Fungal, and Bacterial Cells. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 987-997.	2.6	53
100	Effect of Lipid Composition on the Membrane Orientation of the G Protein-Coupled Receptor Kinase 2â€“GÎ <sup>2</sup> <sub>1</sub> /sub>Î <sup>3</sup> <sub>2</sub> /sub> Complex. <i>Biochemistry</i> , 2016, 55, 2841-2848.	1.2	12
101	Subcellular Fate of a Fluorescent Cholesterol-Poly(ethylene glycol) Conjugate: An Excellent Plasma Membrane Imaging Reagent. <i>Langmuir</i> , 2016, 32, 10126-10135.	1.6	52
102	A Î <sup>2</sup> -glucosidase hyper-production <i>Trichoderma reesei</i> mutant reveals a potential role of cel3D in cellulase production. <i>Microbial Cell Factories</i> , 2016, 15, 151.	1.9	64
103	Enhanced Radiosensitization of Gold Nanospikes via Hyperthermia in Combined Cancer Radiation and Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 28480-28494.	4.0	124
104	Reliability of Small Molecule Organic Photovoltaics with Electronâ€“Filtering Compound Buffer Layers. <i>Advanced Energy Materials</i> , 2016, 6, 1601094.	10.2	28
105	Orientation Determination of a Hybrid Peptide Immobilized on CVD-Based Reactive Polymer Surfaces. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19078-19086.	1.5	12
106	Molecular Interactions between Gold Nanoparticles and Model Cell Membranes: A Study of Nanoparticle Surface Charge Effect. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22718-22729.	1.5	21
107	Quaternized Silicon Nanoparticles with Polarityâ€“Sensitive Fluorescence for Selectively Imaging and Killing Gramâ€“Positive Bacteria. <i>Advanced Functional Materials</i> , 2016, 26, 5958-5970.	7.8	150
108	Influence of the side chain and substrate on polythiophene thin film surface, bulk, and buried interfacial structures. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 22089-22099.	1.3	22



#	ARTICLE	IF	CITATIONS
109	Carbon Dot-Based Platform for Simultaneous Bacterial Distinguishment and Antibacterial Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32170-32181.	4.0	285
110	Molecular-level structures at poly(4-vinyl pyridine)/acid interfaces probed by nonlinear vibrational spectroscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 848-852.	2.4	2
111	In Situ Visualization of Lipid Raft Domains by Fluorescent Glycol Chitosan Derivatives. <i>Langmuir</i> , 2016, 32, 6739-6745.	1.6	29
112	Live-cell quantification and comparison of mammalian oocyte cytosolic lipid content between species, during development, and in relation to body composition using nonlinear vibrational microscopy. <i>Analyst</i> , 2016, 141, 4694-4706.	1.7	27
113	Low-Volatility Model Demonstrates Humidity Affects Environmental Toxin Deposition on Plastics at a Molecular Level. <i>Environmental Science &amp; Technology</i> , 2016, 50, 1304-1312.	4.6	12
114	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
115	Long-Time Plasma Membrane Imaging Based on a Two-Step Synergistic Cell Surface Modification Strategy. <i>Bioconjugate Chemistry</i> , 2016, 27, 782-789.	1.8	55
116	Biodegradable and injectable polymer-liposome hydrogel: a promising cell carrier. <i>Polymer Chemistry</i> , 2016, 7, 2037-2044.	1.9	58
117	Enhanced cell membrane enrichment and subsequent cellular internalization of quantum dots via cell surface engineering: illuminating plasma membranes with quantum dots. <i>Journal of Materials Chemistry B</i> , 2016, 4, 834-843.	2.9	44
118	Immobilization of enzyme on a polymer surface. <i>Surface Science</i> , 2016, 648, 53-59.	0.8	13
119	Nondestructive Characterization of Molecular Structures at Buried Copper/Epoxy Interfaces and Their Relationship to Locus of Failure Analysis. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2015, 5, 1432-1440.	1.4	15
120	Silicon Nanoparticles: One-Step Synthesis of Superbright Water-Soluble Silicon Nanoparticles with Photoluminescence Quantum Yield Exceeding 80% ( <i>Adv. Mater. Interfaces</i> 16/2015). <i>Advanced Materials Interfaces</i> , 2015, 2, .	1.9	3
121	One-Step Synthesis of Superbright Water-Soluble Silicon Nanoparticles with Photoluminescence Quantum Yield Exceeding 80%. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500360.	1.9	107
122	Method to Probe Glass Transition Temperatures of Polymer Thin Films. <i>ACS Macro Letters</i> , 2015, 4, 548-551.	2.3	23
123	Synthesis of ultrastable and multifunctional gold nanoclusters with enhanced fluorescence and potential anticancer drug delivery application. <i>Journal of Colloid and Interface Science</i> , 2015, 455, 6-15.	5.0	29
124	Molecular-Level Insights into Orientation-Dependent Changes in the Thermal Stability of Enzymes Covalently Immobilized on Surfaces. <i>Langmuir</i> , 2015, 31, 6145-6153.	1.6	43
125	Room temperature freezing and orientational control of surface-immobilized peptides in air. <i>Chemical Communications</i> , 2015, 51, 11015-11018.	2.2	12
126	Ion-Specific Oil Repellency of Polyelectrolyte Multilayers in Water: Molecular Insights into the Hydrophilicity of Charged Surfaces. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4851-4856.	7.2	70



#	ARTICLE	IF	CITATIONS
127	Nondestructive in Situ Characterization of Molecular Structures at the Surface and Buried Interface of Silicon-Supported Low- $\kappa$ Dielectric Films. <i>Journal of Physical Chemistry B</i> , 2015, 119, 1736-1746.	1.2	20
128	Highly Sensitive and Selective Detection of Dopamine Using One-Pot Synthesized Highly Photoluminescent Silicon Nanoparticles. <i>Analytical Chemistry</i> , 2015, 87, 3360-3365.	3.2	237
129	The molecular interfacial structure and plasticizer migration behavior of "green"-plasticized poly(vinyl chloride). <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 4472-4482.	1.3	28
130	Photochemical origins of burn-in degradation in small molecular weight organic photovoltaic cells. <i>Energy and Environmental Science</i> , 2015, 8, 1005-1010.	15.6	65
131	Membrane interaction of antimicrobial peptides using E. coli lipid extract as model bacterial cell membranes and SFG spectroscopy. <i>Chemistry and Physics of Lipids</i> , 2015, 187, 20-33.	1.5	28
132	Multireflection Sum Frequency Generation Vibrational Spectroscopy. <i>Analytical Chemistry</i> , 2015, 87, 8157-8164.	3.2	8
133	Surface plasma treatment effects on the molecular structure at polyimide/air and buried polyimide/epoxy interfaces. <i>Chinese Chemical Letters</i> , 2015, 26, 449-454.	4.8	24
134	Probing Site-Specific Structural Information of Peptides at Model Membrane Interface In Situ. <i>Journal of the American Chemical Society</i> , 2015, 137, 10190-10198.	6.6	51
135	Qualitative and Quantitative Analyses of the Molecular-Level Interaction between Memantine and Model Cell Membranes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17074-17083.	1.5	24
136	Probing the Surface Hydration of Nonfouling Zwitterionic and PEG Materials in Contact with Proteins. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 16881-16888.	4.0	223
137	Effect of Solvent on Surface Ordering of Poly(3-hexylthiophene) Thin Films. <i>Langmuir</i> , 2015, 31, 5050-5056.	1.6	23
138	Selective and Reversible Binding of Thiol-Functionalized Biomolecules on Polymers Prepared via Chemical Vapor Deposition Polymerization. <i>Langmuir</i> , 2015, 31, 5123-5129.	1.6	17
139	Synthesis of Ultrastable Copper Sulfide Nanoclusters via Trapping the Reaction Intermediate: Potential Anticancer and Antibacterial Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 7082-7092.	4.0	111
140	Controlled Drug Release and Hydrolysis Mechanism of Polymer-Magnetic Nanoparticle Composite. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 9410-9419.	4.0	33
141	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
142	Molecular Orientation Analysis of Alkyl Methylene Groups from Quantitative Coherent Anti-Stokes Raman Scattering Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1369-1374.	2.1	11
143	Molecular interactions between gold nanoparticles and model cell membranes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 9873-9884.	1.3	31
144	Effects of Peptide Immobilization Sites on the Structure and Activity of Surface-Tethered Antimicrobial Peptides. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7146-7155.	1.5	55

#	ARTICLE	IF	CITATIONS
145	Determination of conformation and orientation of immobilized peptides and proteins at buried interfaces. <i>Chemical Physics Letters</i> , 2015, 619, 247-255.	1.2	26
146	Interfacial ordering of thermotropic liquid crystals triggered by the secondary structures of oligopeptides. <i>Chemical Communications</i> , 2015, 51, 16844-16847.	2.2	31
147	Probing the molecular structures of plasma-damaged and surface-repaired low-k dielectrics. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26130-26139.	1.3	4
148	Imaging plasma membranes without cellular internalization: multisite membrane anchoring reagents based on glycol chitosan derivatives. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6165-6173.	2.9	48
149	Surface Structure and Hydration of Sequence-Specific Amphiphilic Polypeptoids for Antifouling/Fouling Release Applications. <i>Langmuir</i> , 2015, 31, 9306-9311.	1.6	61
150	Plasma Treatment Effects on Molecular Structures at Dense and Porous Low-k SiCOH Film Surfaces and Buried Interfaces. <i>Journal of Physical Chemistry C</i> , 2015, 119, 22514-22525.	1.5	8
151	Interfacial Behaviors of Antimicrobial Peptide Cecropin P1 Immobilized on Different Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2015, 119, 22542-22551.	1.5	20
152	Characterization of polymer/epoxy buried interfaces with silane adhesion promoters before and after hydrothermal aging for the elucidation of molecular level details relevant to adhesion. <i>RSC Advances</i> , 2015, 5, 105622-105631.	1.7	18
153	Sum frequency generation vibrational spectroscopic studies on buried heterogeneous biointerfaces. <i>Optics Letters</i> , 2014, 39, 2715.	1.7	18
154	Interfacial Fresnel Coefficients and Molecular Structures of Model Cell Membranes: From a Lipid Monolayer to a Lipid Bilayer. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28631-28639.	1.5	20
155	Combining surface sensitive vibrational spectroscopy and fluorescence microscopy to study biological interfaces. <i>Proceedings of SPIE</i> , 2014, , .	0.8	3
156	Evaluating UV/H <sub>2</sub> O <sub>2</sub> exposure as a DEHP degradation treatment for plasticized PVC. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	17
157	Molecular Ordering of Phenyl Groups at the Buried Polystyrene/Metal Interface. <i>Langmuir</i> , 2014, 30, 9418-9422.	1.6	35
158	In Situ Observation of Water Behavior at the Surface and Buried Interface of a Low-K Dielectric Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 18951-18961.	4.0	23
159	Interfacial molecular restructuring of plasticized polymers in water. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 20097-20106.	1.3	23
160	Molecular Behavior at Buried Epoxy/Poly(ethylene terephthalate) Interface. <i>Langmuir</i> , 2014, 30, 12541-12550.	1.6	25
161	Comparison of the Influence of Humidity and D-Mannitol on the Organization of Tetraethylene Glycol-Terminated Self-Assembled Monolayers and Immobilized Antimicrobial Peptides. <i>Langmuir</i> , 2014, 30, 7143-7151.	1.6	5
162	Molecular Structures of C- and N-Terminus Cysteine Modified Cecropin P1 Chemically Immobilized onto Maleimide-Terminated Self-Assembled Monolayers Investigated by Molecular Dynamics Simulation. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5670-5680.	1.2	29

#	ARTICLE	IF	CITATIONS
163	Different Interfacial Behaviors of Peptides Chemically Immobilized on Surfaces with Different Linker Lengths and via Different Termini. <i>Journal of Physical Chemistry B</i> , 2014, 118, 2904-2912.	1.2	44
164	Molecular Interactions between Amantadine and Model Cell Membranes. <i>Langmuir</i> , 2014, 30, 8491-8499.	1.6	20
165	Probing the Structural Dependence of Carbon Space Lengths of Poly( <i>N</i> -hydroxyalkyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.6	52
166	Hygrothermal Aging Effects on Buried Molecular Structures at Epoxy Interfaces. <i>Langmuir</i> , 2014, 30, 165-171.	1.6	34
167	Enhanced Fluorescence of Gold Nanoclusters Composed of H <sub>4</sub> AuCl <sub>4</sub> and Histidine by Glutathione: Glutathione Detection and Selective Cancer Cell Imaging. <i>Small</i> , 2014, 10, 5170-5177.	5.2	197
168	Environmental Effect on Surface Immobilized Biological Molecules. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12176-12185.	1.2	10
169	Thermo- and pH-responsive behaviors of aqueous poly(acrylic acid)/poly(4-vinylpyridine) complex material characterized by ATR-FTIR and UV-Vis Spectroscopy. <i>European Polymer Journal</i> , 2014, 60, 255-261.	2.6	20
170	Unveiling the Membrane-Binding Properties of N-Terminal and C-Terminal Regions of G Protein-Coupled Receptor Kinase 5 by Combined Optical Spectroscopies. <i>Langmuir</i> , 2014, 30, 823-831.	1.6	9
171	Investigation of Drug-Model Cell Membrane Interactions Using Sum Frequency Generation Vibrational Spectroscopy: A Case Study of Chlorpromazine. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17538-17548.	1.5	24
172	Observing Phthalate Leaching from Plasticized Polymer Films at the Molecular Level. <i>Langmuir</i> , 2014, 30, 4933-4944.	1.6	49
173	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
174	Surface Orientation Control of Site-Specifically Immobilized Nitro-reductase (NfsB). <i>Langmuir</i> , 2014, 30, 5930-5938.	1.6	29
175	Interaction of Polyethylenimine with Model Cell Membranes Studied by Linear and Nonlinear Spectroscopic Techniques. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12195-12205.	1.5	38
176	Influence of casting solvent on phenyl ordering at the surface of spin cast polymer thin films. <i>Journal of Colloid and Interface Science</i> , 2014, 423, 60-66.	5.0	16
177	Unveiling the Membrane-Binding Properties of N-Terminal and C-Terminal Regions of G Protein-Coupled Receptor Kinase 5 by Combined Optical Spectroscopies. <i>Biophysical Journal</i> , 2014, 106, 294a.	0.2	0
178	Hyperspectral Imaging and Characterization of Live Cells by Broadband Coherent Anti-Stokes Raman Scattering (CARS) Microscopy with Singular Value Decomposition (SVD) Analysis. <i>Applied Spectroscopy</i> , 2014, 68, 1116-1122.	1.2	24
179	Sum Frequency Generation Vibrational Spectroscopy: A Sensitive Technique for the Study of Biological Molecules at Interfaces. , 2014, , 195-224.		0
180	Physiologically-Relevant Modes of Membrane Interactions by the Human Antimicrobial Peptide, LL-37, Revealed by SFG Experiments. <i>Scientific Reports</i> , 2013, 3, 1854.	1.6	51

#	ARTICLE	IF	CITATIONS
181	Molecular Orientation of Enzymes Attached to Surfaces through Defined Chemical Linkages at the Solid-Liquid Interface. <i>Journal of the American Chemical Society</i> , 2013, 135, 12660-12669.	6.6	73
182	Nano-bio interfaces probed by advanced optical spectroscopy: From model system studies to optical biosensors. <i>Science Bulletin</i> , 2013, 58, 2537-2556.	1.7	11
183	Different Interfacial Behaviors of N- and C-Terminus Cysteine-Modified Cecropin P1 Chemically Immobilized onto Polymer Surface. <i>Langmuir</i> , 2013, 29, 11705-11712.	1.6	12
184	Influence of Nanoparticle Shape, Size, and Surface Functionalization on Cellular Uptake. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 6485-6498.	0.9	144
185	Elucidation of molecular structures at buried polymer interfaces and biological interfaces using sum frequency generation vibrational spectroscopy. <i>Soft Matter</i> , 2013, 9, 4738.	1.2	78
186	Molecular level studies of polymer behaviors at the water interface using sum frequency generation vibrational spectroscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 311-328.	2.4	53
187	Membrane Orientation of $\alpha$ - and $\beta$ - and $\gamma$ -D-GlcNAc <sub>2</sub> and $\alpha$ -D-GlcNAc <sub>3</sub> Determined via Combined Vibrational Spectroscopic Studies. <i>Journal of the American Chemical Society</i> , 2013, 135, 5044-5051.	6.6	43
188	Surface Structures of PDMS Incorporated with Quaternary Ammonium Salts Designed for Antibiofouling and Fouling Release Applications. <i>Langmuir</i> , 2013, 29, 2897-2905.	1.6	92
189	Interfacial Structure of a DOPA-Inspired Adhesive Polymer Studied by Sum Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2013, 29, 6659-6664.	1.6	53
190	Molecular Surface Structural Changes of Plasticized PVC Materials after Plasma Treatment. <i>Langmuir</i> , 2013, 29, 4008-4018.	1.6	38
191	Lipid Fluid-Gel Phase Transition Induced Alamethicin Orientational Change Probed by Sum Frequency Generation Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17039-17049.	1.5	25
192	Dependence of Alamethicin Membrane Orientation on the Solution Concentration. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3358-3365.	1.5	34
193	In Situ Probing the Surface Restructuring of Antibiofouling Amphiphilic Polybetaines in Water. <i>ACS Macro Letters</i> , 2013, 2, 1011-1015.	2.3	28
194	Molecular Structural Changes of Plasticized PVC after UV Light Exposure. <i>Journal of Physical Chemistry B</i> , 2013, 117, 16336-16344.	1.2	31
195	Probing Molecular Structures of Poly(dimethylsiloxane) at Buried Interfaces <i>in Situ</i> . <i>Journal of Physical Chemistry C</i> , 2013, 117, 3903-3914.	1.5	43
196	Quantitative Molecular Level Understanding of Ethoxysilane at Poly(dimethylsiloxane)/Polymer Interfaces. <i>Langmuir</i> , 2013, 29, 610-619.	1.6	25
197	Site-Specific Orientation of an $\alpha$ -Helical Peptide Ovispirin-1 from Isotope-Labeled SFG Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14625-14634.	1.2	33
198	Membrane Orientation and Binding Determinants of G Protein-Coupled Receptor Kinase 5 as Assessed by Combined Vibrational Spectroscopic Studies. <i>PLoS ONE</i> , 2013, 8, e82072.	1.1	23

#	ARTICLE	IF	CITATIONS
199	Dual-wavelength digital holographic imaging with phase background subtraction. <i>Optical Engineering</i> , 2012, 51, 055801.	0.5	19
200	A Powerful Nonlinear Optical Technique to Characterize Surfaces and Interfaces Sum Frequency Generation Vibrational Spectroscopy. <i>Advanced Materials Research</i> , 2012, 441, 703-707.	0.3	0
201	Molecular Interactions of Proteins and Peptides at Interfaces Studied by Sum Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2012, 28, 2113-2121.	1.6	61
202	Molecular Interactions between Cell Penetrating Peptide Pep-1 and Model Cell Membranes. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2545-2552.	1.2	61
203	Sum Frequency Generation and Coherent Anti-Stokes Raman Spectroscopic Studies on Plasma-Treated Plasticized Polyvinyl Chloride Films. <i>Langmuir</i> , 2012, 28, 4654-4662.	1.6	18
204	Observing a Model Ion Channel Gating Action in Model Cell Membranes in Real Time in Situ: Membrane Potential Change Induced Alamethicin Orientation Change. <i>Journal of the American Chemical Society</i> , 2012, 134, 6237-6243.	6.6	88
205	Headgroup Effect on Silane Structures at Buried Polymer/Silane and Polymer/Polymer Interfaces and Their Relations to Adhesion. <i>Langmuir</i> , 2012, 28, 6052-6059.	1.6	48
206	Molecular Level Understanding of Adhesion Mechanisms at the Epoxy/Polymer Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 3730-3737.	4.0	85
207	Directly Probing Molecular Ordering at the Buried Polymer/Metal Interface 2: Using P-Polarized Input Beams. <i>Macromolecules</i> , 2012, 45, 6087-6094.	2.2	36
208	Cell volume changes during apoptosis monitored in real time using digital holographic microscopy. <i>Journal of Structural Biology</i> , 2012, 178, 270-278.	1.3	80
209	Molecular Structures of Buried Polymer Interfaces and Biological Interfaces Detected by Sum Frequency Generation Vibrational Spectroscopy. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2012, 28, 504-521.	2.2	9
210	Dual wavelength digital holographic imaging of cells with phase background subtraction. , 2012, , .		1
211	Immobilization of Amphiphilic Polycations by Catechol Functionality for Antimicrobial Coatings. <i>Langmuir</i> , 2011, 27, 4010-4019.	1.6	89
212	Molecular Orientation of Asphaltenes and PAH Model Compounds in Langmuir-Blodgett Films Using Sum Frequency Generation Spectroscopy. <i>Langmuir</i> , 2011, 27, 6049-6058.	1.6	116
213	A Sum Frequency Generation Vibrational Study of the Interference Effect in Poly( <i>n</i> -butyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 115, 13759-13767.	1.5	59
214	Surface and Buried Interfacial Structures of Epoxy Resins Used as Underfills Studied by Sum Frequency Generation Vibrational Spectroscopy. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 1640-1651.	4.0	27
215	Peering at a Buried Polymer-Crystal Interface: Probing Heterogeneous Nucleation by Sum Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2011, 27, 2162-2165.	1.6	20
216	Solvent Effect and Time-Dependent Behavior of C-Terminus-Cysteine-Modified Cecropin P1 Chemically Immobilized on a Polymer Surface. <i>Langmuir</i> , 2011, 27, 7042-7051.	1.6	34

#	ARTICLE	IF	CITATIONS
217	Membrane Orientation of MSI-78 Measured by Sum Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2011, 27, 7760-7767.	1.6	78
218	Investigations of the Interactions between Synthetic Antimicrobial Polymers and Substrate-Supported Lipid Bilayers Using Sum Frequency Generation Vibrational Spectroscopy. <i>Analytical Chemistry</i> , 2011, 83, 1342-1349.	3.2	26
219	Single Lipid Bilayers Constructed on Polymer Cushion Studied by Sum Frequency Generation Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7613-7620.	1.5	39
220	Hyperspectral microscopic imaging by multiplex coherent anti-Stokes Raman scattering (CARS). , 2011, , .		1
221	Interfacial Orientation and Secondary Structure Change in Tachyplesin I: Molecular Dynamics and Sum Frequency Generation Spectroscopy Studies. <i>Langmuir</i> , 2011, 27, 14343-14351.	1.6	14
222	Dual-wavelength linear regression phase unwrapping in three-dimensional microscopic images of cancer cells. <i>Optics Letters</i> , 2011, 36, 912.	1.7	54
223	Examining surface and bulk structures using combined nonlinear vibrational spectroscopies. <i>Optics Letters</i> , 2011, 36, 2272.	1.7	26
224	Investigation of sub-monolayer, monolayer, and multilayer self-assembled semifluorinated alkylsilane films. <i>Journal of Colloid and Interface Science</i> , 2011, 353, 322-330.	5.0	26
225	Dual wavelength digital holography phase unwrapping by linear regression. <i>Proceedings of SPIE</i> , 2011, , .	0.8	3
226	Heterotrimeric G protein $\alpha_1$ $\alpha_2$ subunits change orientation upon complex formation with G protein-coupled receptor kinase 2 (GRK2) on a model membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, E667-73.	3.3	77
227	Probing polymer surfaces and interfaces using sum frequency generation vibrational spectroscopy - a powerful nonlinear optical technique. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2010, 5, 435-444.	0.4	5
228	Investigating buried polymer interfaces using sum frequency generation vibrational spectroscopy. <i>Progress in Polymer Science</i> , 2010, 35, 1376-1402.	11.8	139
229	Interfacial Proteins and Peptides Studied Using Sum Frequency Generation Vibrational Spectroscopy. , 2010, , .		0
230	Molecular Structures of the Buried Interfaces between Silicone Elastomer and Silane Adhesion Promoters Probed by Sum Frequency Generation Vibrational Spectroscopy and Molecular Dynamics Simulations. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 96-103.	4.0	20
231	Orientation Determination of Interfacial $\beta$ -Sheet Structures in Situ. <i>Journal of Physical Chemistry B</i> , 2010, 114, 8291-8300.	1.2	144
232	Antifouling and Antimicrobial Mechanism of Tethered Quaternary Ammonium Salts in a Cross-linked Poly(dimethylsiloxane) Matrix Studied Using Sum Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2010, 26, 16455-16462.	1.6	91
233	X-ray Photoelectron Spectroscopy Study of Counterion Incorporation in Poly(3,4-ethylenedioxythiophene) (PEDOT) 2: Polyanion Effect, Toluenesulfonate, and Small Anions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14992-14997.	1.5	62
234	Surface Structures of an Amphiphilic Tri-Block Copolymer in Air and in Water Probed Using Sum Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2010, 26, 11337-11343.	1.6	19



#	ARTICLE	IF	CITATIONS
235	Probing the Spontaneous Membrane Insertion of a Tail-Anchored Membrane Protein by Sum Frequency Generation Spectroscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 15112-15115.	6.6	57
236	Surface Orientation of Phenyl Groups in Poly(sodium 4-styrenesulfonate) and in Poly(sodium Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Vibrational Spectroscopy. <i>Langmuir</i> , 2010, 26, 14231-14235.	1.6	22
237	Effect of Anionic Hydration on Counterion Incorporation in Poly(3,4-ethylenedioxythiophene): An X-ray Photoelectron Spectroscopy Study. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14998-15004.	1.5	5
238	Surface Orientation of Magainin 2: Molecular Dynamics Simulation and Sum Frequency Generation Vibrational Spectroscopic Studies. <i>Langmuir</i> , 2010, 26, 16031-16036.	1.6	25
239	Limiting an Antimicrobial Peptide to the Lipid~Water Interface Enhances Its Bacterial Membrane Selectivity: A Case Study of MSI-367. <i>Biochemistry</i> , 2010, 49, 10595-10605.	1.2	64
240	Interactions of Alamethicin with Model Cell Membranes Investigated Using Sum Frequency Generation Vibrational Spectroscopy in Real Time in Situ. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3334-3340.	1.2	82
241	Orientation Difference of Chemically Immobilized and Physically Adsorbed Biological Molecules on Polymers Detected at the Solid/Liquid Interfaces in Situ. <i>Langmuir</i> , 2010, 26, 6471-6477.	1.6	69
242	The molecular surface conformation of surface-tethered polyelectrolytes on PDMS surfaces. <i>Soft Matter</i> , 2010, , .	1.2	8
243	Sum Frequency Generation Studies on Bioadhesion: Elucidating the Molecular Structure of Proteins at Interfaces. <i>Journal of Adhesion</i> , 2009, 85, 484-511.	1.8	18
244	Understanding molecular structures of silanes at buried polymer interfaces using sum frequency generation vibrational spectroscopy and relating interfacial structures to polymer adhesion. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 408-416.	5.0	29
245	Deducing 2D Crystal Structure at the Liquid/Solid Interface with Atomic Resolution: A Combined STM and SFG Study. <i>Langmuir</i> , 2009, 25, 12847-12850.	1.6	6
246	X-ray Photoelectron Spectroscopy Study of Counterion Incorporation in Poly(3,4-ethylenedioxythiophene). <i>Journal of Physical Chemistry C</i> , 2009, 113, 5585-5592.	1.5	82
247	Dependence of Antimicrobial Selectivity and Potency on Oligomer Structure Investigated Using Substrate Supported Lipid Bilayers and Sum Frequency Generation Vibrational Spectroscopy. <i>Analytical Chemistry</i> , 2009, 81, 8365-8372.	3.2	32
248	Phenolic Resin Surface Restructuring upon Exposure to Humid Air: A Sum Frequency Generation Vibrational Spectroscopic Study. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12944-12951.	1.2	29
249	Orientation Determination of Protein Helical Secondary Structures Using Linear and Nonlinear Vibrational Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12169-12180.	1.2	153
250	Directly Probing Molecular Ordering at the Buried Polymer/Metal Interface. <i>Macromolecules</i> , 2009, 42, 9052-9057.	2.2	54
251	In situ molecular level studies on membrane related peptides and proteins in real time using sum frequency generation vibrational spectroscopy. <i>Journal of Structural Biology</i> , 2009, 168, 61-77.	1.3	102
252	Molecular Interactions between Magainin 2 and Model Membranes in Situ. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12358-12363.	1.2	105



#	ARTICLE	IF	CITATIONS
253	Solventless Adhesive Bonding Using Reactive Polymer Coatings. <i>Analytical Chemistry</i> , 2008, 80, 4119-4124.	3.2	87
254	Detection of Tethered Biocide Moiety Segregation to Silicone Surface Using Sum Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2008, 24, 9686-9694.	1.6	44
255	Probing Molecular Structures of Polymer/Metal Interfaces by Sum Frequency Generation Vibrational Spectroscopy. <i>Macromolecules</i> , 2008, 41, 8770-8777.	2.2	77
256	Structural Information of Mussel Adhesive Protein Mefp-3 Acquired at Various Polymer/Mefp-3 Solution Interfaces. <i>Langmuir</i> , 2008, 24, 5795-5801.	1.6	38
257	Quantifying the Ordering of Adsorbed Proteins In Situ. <i>Journal of Physical Chemistry B</i> , 2008, 112, 2281-2290.	1.2	82
258	Probing Molecular-Level Surface Structures of Polyethersulfone/Pluronic F127 Blends Using Sum-Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2008, 24, 7939-7946.	1.6	45
259	In Situ Investigation of Heterotrimeric G Protein $\hat{2}\hat{3}$ Subunit Binding and Orientation on Membrane Bilayers. <i>Journal of the American Chemical Society</i> , 2007, 129, 12658-12659.	6.6	77
260	Deduction of Structural Information of Interfacial Proteins by Combined Vibrational Spectroscopic Methods. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6088-6095.	1.2	49
261	Multiple Orientation of Melittin inside a Single Lipid Bilayer Determined by Combined Vibrational Spectroscopic Studies. <i>Journal of the American Chemical Society</i> , 2007, 129, 1420-1427.	6.6	178
262	Real-Time Structural Investigation of a Lipid Bilayer during Its Interaction with Melittin Using Sum Frequency Generation Vibrational Spectroscopy. <i>Biophysical Journal</i> , 2007, 93, 866-875.	0.2	90
263	Diffusion of one or more components of a silane adhesion-promoting mixture into poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.0	30
264	Understanding surfaces and buried interfaces of polymer materials at the molecular level using sum frequency generation vibrational spectroscopy. <i>Polymer International</i> , 2007, 56, 577-587.	1.6	71
265	Ordered adsorption of coagulation factor XII on negatively charged polymer surfaces probed by sum frequency generation vibrational spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 65-72.	1.9	68
266	Polymer Surface Reorientation after Protein Adsorption. <i>Langmuir</i> , 2006, 22, 8627-8630.	1.6	22
267	Vibrational Spectroscopic Studies on Fibrinogen Adsorption at Polystyrene/Protein Solution Interfaces: A Hydrophobic Side Chain and Secondary Structure Changes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5017-5024.	1.2	75
268	Irreducible Representation and Projection Operator Application to Understanding Nonlinear Optical Phenomena: A Hyper-Raman, Sum Frequency Generation, and Four-Wave Mixing Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7035-7044.	1.1	21
269	Molecular Level Structures of Poly(n-alkyl methacrylate)s with Different Side Chain Lengths at the Polymer/Air and Polymer/Water Interfaces. <i>Langmuir</i> , 2006, 22, 8800-8806.	1.6	46
270	Chemical Structures of Liquid Poly(ethylene glycol)s with Different End Groups at Buried Polymer Interfaces. <i>Macromolecules</i> , 2006, 39, 9396-9401.	2.2	25

#	ARTICLE	IF	CITATIONS
271	Sum Frequency Generation Vibrational Spectroscopic Studies on a Silane Adhesion-Promoting Mixture at a Polymer Interface. <i>Journal of Physical Chemistry B</i> , 2006, 110, 914-918.	1.2	42
272	Detection and Spectral Analysis of Trifluoromethyl Groups at a Surface by Sum Frequency Generation Vibrational Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 26089-26097.	1.2	10
273	SFG studies on interactions between antimicrobial peptides and supported lipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 1257-1273.	1.4	126
274	Observing a Molecular Knife at Work. <i>Journal of the American Chemical Society</i> , 2006, 128, 2711-2714.	6.6	70
275	Polymer-Silane Interactions Probed by Sum Frequency Generation Vibrational Spectroscopy. <i>Journal of Adhesion</i> , 2005, 81, 319-345.	1.8	21
276	Collagen adsorption and structure on polymer surfaces observed by atomic force microscopy. <i>Journal of Colloid and Interface Science</i> , 2005, 292, 99-107.	5.0	40
277	Molecular studies on protein conformations at polymer/liquid interfaces using sum frequency generation vibrational spectroscopy. <i>Surface Science</i> , 2005, 587, 1-11.	0.8	53
278	Detection of chiral sum frequency generation vibrational spectra of proteins and peptides at interfaces in situ. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 4978-4983.	3.3	180
279	Surface Structures and Properties of Polystyrene/Poly(methyl methacrylate) Blends and Copolymers. <i>Journal of Physical Chemistry B</i> , 2005, 109, 6280-6286.	1.2	34
280	Comparison of surface structures of poly(ethyl methacrylate) and poly(ethyl acrylate) in different chemical environments. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 2357.	1.3	38
281	Probing $\hat{1}\pm$ -Helical and $\hat{1}^2$ -Sheet Structures of Peptides at Solid/Liquid Interfaces with SFG. <i>Langmuir</i> , 2005, 21, 2662-2664.	1.6	112
282	Conformational Changes of Fibrinogen after Adsorption. <i>Journal of Physical Chemistry B</i> , 2005, 109, 22027-22035.	1.2	124
283	SUM FREQUENCY GENERATION VIBRATIONAL SPECTROSCOPY STUDIES ON MOLECULAR CONFORMATION AND ORIENTATION OF BIOLOGICAL MOLECULES AT INTERFACES. <i>International Journal of Modern Physics B</i> , 2005, 19, 691-713.	1.0	139
284	Interpretation of Sum Frequency Generation Vibrational Spectra of Interfacial Proteins by the Thin Film Model. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3625-3632.	1.2	48
285	Surface Restructuring of Polystyrene/Polymethacrylate Blends in Water Studied by Atomic Force Microscopy. <i>Langmuir</i> , 2004, 20, 1928-1933.	1.6	13
286	Demonstrating the Feasibility of Monitoring the Molecular-Level Structures of Moving Polymer/Silane Interfaces during Silane Diffusion Using SFG. <i>Journal of the American Chemical Society</i> , 2004, 126, 1174-1179.	6.6	52
287	Sum Frequency Generation Vibrational Spectroscopy Studies of Protein Adsorption on Oxide-Covered Ti Surfaces. <i>Journal of Physical Chemistry B</i> , 2004, 108, 7779-7787.	1.2	37
288	Polarization Mapping: A Method To Improve Sum Frequency Generation Spectral Analysis. <i>Analytical Chemistry</i> , 2004, 76, 2159-2167.	3.2	52

#	ARTICLE	IF	CITATIONS
289	Surface Restructuring Behavior of Various Types of Poly(dimethylsiloxane) in Water Detected by SFG. <i>Langmuir</i> , 2004, 20, 10186-10193.	1.6	93
290	Sum Frequency Generation Studies at Poly(ethylene terephthalate)/Silane Interfaces: Hydrogen Bond Formation and Molecular Conformation Determination. <i>Langmuir</i> , 2004, 20, 5467-5473.	1.6	59
291	Feature Article: Characterization of Polymer Blends by Atomic Force Microscopy: A Review. <i>Polymer News</i> , 2004, 29, 176-183.	0.1	5
292	Sum Frequency Generation Studies on the Surface Structures of Plasticized and Unplasticized Polyurethane in Air and in Water. <i>Analytical Chemistry</i> , 2003, 75, 3275-3280.	3.2	41
293	Different Molecular Structures at Polymer/Silane Interfaces Detected by SFG. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10440-10445.	1.2	56
294	Detecting Molecular-Level Chemical Structure and Group Orientation of Amphiphilic PEO-PPO-PEO Copolymers at Solution/Air and Solid/Solution Interfaces by SFG Vibrational Spectroscopy. <i>Macromolecules</i> , 2003, 36, 4478-4484.	2.2	37
295	Detection of Amide I Signals of Interfacial Proteins in Situ Using SFG. <i>Journal of the American Chemical Society</i> , 2003, 125, 9914-9915.	6.6	140
296	Using Isotope-Labeled Proteins and Sum Frequency Generation Vibrational Spectroscopy to Study Protein Adsorption. <i>Langmuir</i> , 2003, 19, 7862-7866.	1.6	43
297	The effect of surface coverage on conformation changes of bovine serum albumin molecules at the air-solution interface detected by sum frequency generation vibrational spectroscopy. <i>Analyst</i> , The, 2003, 128, 773-778.	1.7	48
298	Detection of Interfacial Structures of Poly(ethylene glycol), Poly(propylene glycol) and Their Copolymers at Liquid/Solid Interfaces Using Sum Frequency Generation Vibrational Spectroscopy. <i>Materials Research Society Symposia Proceedings</i> , 2003, 790, 1.	0.1	0
299	Surface Morphology and Molecular Chemical Structure of Poly(n-butyl methacrylate)/Polystyrene Blend Studied by Atomic Force Microscopy (AFM) and Sum Frequency Generation (SFG) Vibrational Spectroscopy. <i>Langmuir</i> , 2002, 18, 1302-1309.	1.6	44
300	Molecular Responses of Proteins at Different Interfacial Environments Detected by Sum Frequency Generation Vibrational Spectroscopy. <i>Journal of the American Chemical Society</i> , 2002, 124, 13302-13305.	6.6	80
301	Sum Frequency Generation Vibrational Spectroscopy Studies on Molecular Conformation of Liquid Polymers Poly(ethylene glycol) and Poly(propylene glycol) at Different Interfaces. <i>Macromolecules</i> , 2002, 35, 9130-9135.	2.2	80
302	STUDIES OF POLYMER SURFACES BY SUM FREQUENCY GENERATION VIBRATIONAL SPECTROSCOPY. <i>Annual Review of Physical Chemistry</i> , 2002, 53, 437-465.	4.8	516
303	Measuring Polymer Surface Ordering Differences in Air and Water by Sum Frequency Generation Vibrational Spectroscopy. <i>Journal of the American Chemical Society</i> , 2002, 124, 7016-7023.	6.6	176
304	Sum Frequency Generation Vibrational Spectroscopy Studies on Protein Adsorption. <i>Journal of Physical Chemistry B</i> , 2002, 106, 11666-11672.	1.2	127
305	Sum Frequency Generation Vibrational Spectroscopy Studies on Buried Polymer/Polymer Interfaces. <i>Macromolecules</i> , 2002, 35, 8093-8097.	2.2	53
306	Interaction of fibrinogen with surfaces of end-group-modified polyurethanes: A surface-specific sum-frequency-generation vibrational spectroscopy study. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 62, 254-264.	3.0	76

#	ARTICLE	IF	CITATIONS
307	Different Surface-Restructuring Behaviors of Poly(methacrylate)s Detected by SFG in Water. Journal of the American Chemical Society, 2001, 123, 9470-9471.	6.6	146
308	Molecular Chemical Structure on Poly(methyl methacrylate) (PMMA) Surface Studied by Sum Frequency Generation (SFG) Vibrational Spectroscopy. Journal of Physical Chemistry B, 2001, 105, 12118-12125.	1.2	288
309	Detection of Hydrophobic End Groups on Polymer Surfaces by Sum-Frequency Generation Vibrational Spectroscopy. Journal of the American Chemical Society, 2000, 122, 10615-10620.	6.6	110
310	Raman Spectra of D <sub>2</sub> in Water and Ice. Journal of Physical Chemistry B, 2000, 104, 3274-3279.	1.2	11
311	The interaction of H <sub>2</sub> with water ice by neutron scattering: Rotation and translation. Journal of Chemical Physics, 1999, 110, 7354-7358.	1.2	9
312	Sum frequency generation (SFG) - surface vibrational spectroscopy studies of buried interfaces: catalytic reaction intermediates on transition metal crystal surfaces at high reactant pressures; polymer surface structures at the solid-gas and solid-liquid interfaces. Applied Physics B: Lasers and Optics, 1999, 68, 549-557.	1.1	57
313	Molecular Characterization of Polymer and Polymer Blend Surfaces. Combined Sum Frequency Generation Surface Vibrational Spectroscopy and Scanning Force Microscopy Studies. Accounts of Chemical Research, 1999, 32, 930-940.	7.6	107
314	Surface Composition of Biopolymer Blends Biospan-SP/Phenoxy and Biospan-F/Phenoxy Observed with SFG, XPS, and Contact Angle Goniometry. Journal of Physical Chemistry B, 1999, 103, 2935-2942.	1.2	43
315	Switching the Jahn-Teller Distortion in Crystalline Ammonium Hexaaquacopper Sulfate (Tutton Salt) with Infrared Radiation. Journal of the American Chemical Society, 1998, 120, 8789-8796.	6.6	15
316	Infrared hole burning of ammonium tartrate: How high a barrier can be overcome?. Journal of Chemical Physics, 1998, 108, 5522-5528.	1.2	6
317	Infrared Spectral Hole Burning of Polymers: A Probe of Local Structure. Journal of Physical Chemistry B, 1997, 101, 3506-3511.	1.2	1
318	Infrared Hole Burning and Crystal Structures of Ammonium Tosylate and Ammonium Triflate. Journal of Physical Chemistry A, 1997, 101, 1640-1645.	1.1	7
319	The diffusion of H <sub>2</sub> in hexagonal ice at low temperatures. Journal of Chemical Physics, 1994, 101, 7177-7180.	1.2	42
320	thermodynamic calculation of atmospheric pressure and high pressure (P = 2500 atm) phase diagram of LiIO <sub>3</sub> -NaIO <sub>3</sub> binary system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 1991, 15, 185-194.	0.7	2
321	Phase Relations in the System Al <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> -Nd <sub>2</sub> O <sub>3</sub> . Journal of the American Ceramic Society, 1991, 74, 444-446.	1.9	12
322	Phase diagram of SrO-CaO-CuO ternary system. Solid State Communications, 1990, 75, 247-252.	0.9	59
323	The crystal structure and property of ternary compound and phase relations in the system Pr <sub>6</sub> O <sub>11</sub> -BaO-CuO sintered at 920° C. Solid State Communications, 1990, 76, 903-910.	0.9	14