

Shuji Ye

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3969265/publications.pdf>

Version: 2024-02-01

68
papers

2,394
citations

236925

25
h-index

206112

48
g-index

68
all docs

68
docs citations

68
times ranked

2238
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein-water coupling tunes the anharmonicity of amide I modes in the interfacial membrane-bound proteins. <i>Journal of Chemical Physics</i> , 2022, 156, 105103.	3.0	5
2	Observing Two-Dimensional Spontaneous Reaction between a Silicon Electrode and a LiPF ₆ -Based Electrolyte <i>in Situ</i> and in Real Time. <i>Journal of Physical Chemistry Letters</i> , 2022, , 3224-3229.	4.6	2
3	Evidence for a Local Field Effect in Surface Plasmon-Enhanced Sum Frequency Generation Vibrational Spectra. <i>Langmuir</i> , 2022, 38, 6099-6105.	3.5	5
4	Homogeneous interfacial water structure favors realizing a low-friction coefficient state. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 324-333.	9.4	9
5	Disentangling Sum-Frequency Generation Spectra of the Water Bending Mode at Charged Aqueous Interfaces. <i>Journal of Physical Chemistry B</i> , 2021, 125, 7060-7067.	2.6	18
6	Ordered Water Layer on the Macroscopically Hydrophobic Fluorinated Polymer Surface and Its Ultrafast Vibrational Dynamics. <i>Journal of the American Chemical Society</i> , 2021, 143, 13074-13081.	13.7	30
7	Conformational Order of Alkyl Side Chain of Poly(3-alkylthiophene) Promotes Hole-Extraction Ability in Perovskite/Poly(3-alkylthiophene) Heterojunction. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11817-11823.	4.6	8
8	Conformational disorder of organic cations tunes the charge carrier mobility in two-dimensional organic-inorganic perovskites. <i>Nature Communications</i> , 2020, 11, 5481.	12.8	55
9	Unsaturated Lipid Accelerates Formation of Oligomeric β -Sheet Structure of GP41 Fusion Peptide in Model Cell Membrane. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5169-5176.	2.6	13
10	Acidic Environment Significantly Alters Aggregation Pathway of Human Islet Amyloid Polypeptide at Negative Lipid Membrane. <i>Langmuir</i> , 2020, 36, 1530-1537.	3.5	22
11	Film thickness and surface plasmon tune the contribution of SFG signals from buried interface and air surface. <i>Chinese Journal of Chemical Physics</i> , 2020, 33, 532-539.	1.3	6
12	Surface charge printing for programmed droplet transport. <i>Nature Materials</i> , 2019, 18, 936-941.	27.5	401
13	Directly monitoring the active sites of charge transfer in heterocycles <i>in situ</i> and in real time. <i>Chemical Communications</i> , 2019, 55, 541-544.	4.1	2
14	Ultrafast energy relaxation dynamics of amide I vibrations coupled with protein-bound water molecules. <i>Nature Communications</i> , 2019, 10, 1010.	12.8	41
15	Misfolding of a Human Islet Amyloid Polypeptide at the Lipid Membrane Populates through β -Sheet Conformers without Involving β -Helical Intermediates. <i>Journal of the American Chemical Society</i> , 2019, 141, 1941-1948.	13.7	58
16	<i>In situ</i> examination of a charged amino acid-induced structural change in lipid bilayers by sum frequency generation vibrational spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 5657-5665.	2.8	14
17	Specific Ion Effects on Protein Thermal Aggregation from Dilute Solutions to Crowded Environments. <i>Langmuir</i> , 2018, 34, 4289-4297.	3.5	7
18	Real-Time observation of protein transport across membranes by femtosecond sum frequency generation vibrational spectroscopy. <i>Chinese Journal of Chemical Physics</i> , 2018, 31, 523-528.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Amide I SFG Spectral Line Width Probes the Lipidâ€“Peptide and Peptideâ€“Peptide Interactions at Cell Membrane In Situ and in Real Time. <i>Langmuir</i> , 2018, 34, 7554-7560.	3.5	16
20	Influenza A M2 transmembrane domain tunes its conformational heterogeneity and structural plasticity in the lipid bilayer by forming loop structures. <i>Chemical Communications</i> , 2018, 54, 5903-5906.	4.1	16
21	Molecular interactions of organic molecules at the air/water interface investigated by sum frequency generation vibrational spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4488-4493.	2.8	10
22	Ultrafast Vibrational Dynamics of Membraneâ€“Bound Peptides at the Lipid Bilayer/Water Interface. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12977-12981.	13.8	48
23	Ultrafast Vibrational Dynamics of Membraneâ€“Bound Peptides at the Lipid Bilayer/Water Interface. <i>Angewandte Chemie</i> , 2017, 129, 13157-13161.	2.0	6
24	Reversible Activation of pH-Responsive Cell-Penetrating Peptides in Model Cell Membrane Relies on the Nature of Lipid. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15181-15187.	3.1	18
25	A Highly Sensitive Femtosecond Time-Resolved Sum Frequency Generation Vibrational Spectroscopy System with Simultaneous Measurement of Multiple Polarization Combinations. <i>Chinese Journal of Chemical Physics</i> , 2017, 30, 671-677.	1.3	23
26	Transport and Organization of Cholesterol in a Planar Solid-Supported Lipid Bilayer Depend on the Phospholipid Flip-Flop Rate. <i>Langmuir</i> , 2016, 32, 11681-11689.	3.5	20
27	Reorganization of hydrogen bond network makes strong polyelectrolyte brushes pH-responsive. <i>Science Advances</i> , 2016, 2, e1600579.	10.3	43
28	Amide III SFG Signals as a Sensitive Probe of Protein Folding at Cell Membrane Surface. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15322-15328.	3.1	23
29	Analyzing the stability of second harmonic intensity provides a sensitive probe of the aggregating of conjugated molecules at the interface. <i>Journal of Molecular Liquids</i> , 2016, 219, 111-116.	4.9	10
30	Fermi Resonant Interaction of the Tailed Methyl Groups of Langmuir Monolayer at the Air/Water Interface during Phase Transition. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25394-25400.	3.1	10
31	Interaction between Potassium Phosphate Buffer Solution and Modeling Cell Membrane Investigated by Sum Frequency Generation Vibrational Spectroscopy. <i>Chinese Journal of Chemical Physics</i> , 2015, 28, 518-524.	1.3	8
32	Intermolecular Interactions at the Interface Quantified by Surface-Sensitive Second-Order Fermi Resonant Signals. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16587-16595.	3.1	23
33	The dehydration dynamics of a model cell membrane induced by cholesterol analogue 6-ketocholestanol investigated using sum frequency generation vibrational spectroscopy. <i>Science China Chemistry</i> , 2015, 58, 1176-1186.	8.2	8
34	Observing Peptide-Induced Lipid Accumulation in a Single-Component Zwitterionic Lipid Bilayer. <i>Journal of Physical Chemistry C</i> , 2015, 119, 28523-28529.	3.1	11
35	Advanced experimental methods toward understanding biophysicochemical interactions of interfacial biomolecules by using sum frequency generation vibrational spectroscopy. <i>Science China Chemistry</i> , 2014, 57, 1646-1661.	8.2	10
36	Accurate Determination of Interfacial Protein Secondary Structure by Combining Interfacial-Sensitive Amide I and Amide III Spectral Signals. <i>Journal of the American Chemical Society</i> , 2014, 136, 1206-1209.	13.7	106

#	ARTICLE	IF	CITATIONS
37	In Situ and Real-Time SFG Measurements Revealing Organization and Transport of Cholesterol Analogue 6-Ketocholestanol in a Cell Membrane. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 419-424.	4.6	28
38	Phosphate Ions Promoting Association between Peptide and Modeling Cell Membrane Revealed by Sum Frequency Generation Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 11095-11103.	3.1	33
39	Specific Ion Interaction Dominates over Hydrophobic Matching Effects in Peptide-Lipid Bilayer Interactions: The Case of Short Peptide. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26190-26196.	3.1	27
40	Structure and Orientation of Interfacial Proteins Determined by Sum Frequency Generation Vibrational Spectroscopy. <i>Advances in Protein Chemistry and Structural Biology</i> , 2013, 93, 213-255.	2.3	27
41	Methanol Perturbing Modeling Cell Membranes Investigated using Linear and Nonlinear Vibrational Spectroscopy. <i>Chinese Journal of Chemical Physics</i> , 2013, 26, 27-34.	1.3	10
42	Intramolecular vibrational coupling in water molecules revealed by compatible multiple nonlinear vibrational spectroscopic measurements. <i>Analyst, The</i> , 2012, 137, 4981.	3.5	9
43	In Situ Molecular-Level Insights into the Interfacial Structure Changes of Membrane-Associated Prion Protein Fragment [118-135] Investigated by Sum Frequency Generation Vibrational Spectroscopy. <i>Langmuir</i> , 2012, 28, 16979-16988.	3.5	34
44	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.	13.7	88
45	Effect of Dehydration on the Interfacial Water Structure at a Charged Polymer Surface: Negligible Contribution to Sum Frequency Generation Signal. <i>Langmuir</i> , 2012, 28, 1374-1380.	3.5	25
46	Molecular-Level Insights into N-H Bond Rotation in the pH-Induced Interfacial Isomerization of 5-Octadecyloxy-2-(2-pyridylazo)phenol Monolayer Investigated by Sum Frequency Generation Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16553-16560.	3.1	15
47	An approach to compatible multiple nonlinear vibrational spectroscopy measurements using a commercial sum frequency generation system. <i>Analyst, The</i> , 2011, 136, 2489.	3.5	27
48	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.	3.1	39
49	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.	3.5	91
50	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.	2.6	82
51	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.	3.5	69
52	Hydration Effects on Energy Relaxation of Ferric Cytochrome C Films after Soret-Band Photoexcitation. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15151-15157.	2.6	4
53	The molecular surface conformation of surface-tethered polyelectrolytes on PDMS surfaces. <i>Soft Matter</i> , 2010, , .	2.7	8
54	Orientation Determination of Protein Helical Secondary Structures Using Linear and Nonlinear Vibrational Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12169-12180.	2.6	153

#	ARTICLE	IF	CITATIONS
55	In situ molecular level studies on membrane related peptides and proteins in real time using sum frequency generation vibrational spectroscopy. Journal of Structural Biology, 2009, 168, 61-77.	2.8	102
56	Molecular Interactions between Magainin 2 and Model Membranes in Situ. Journal of Physical Chemistry B, 2009, 113, 12358-12363.	2.6	105
57	Detection of Tethered Biocide Moiety Segregation to Silicone Surface Using Sum Frequency Generation Vibrational Spectroscopy. Langmuir, 2008, 24, 9686-9694.	3.5	44
58	Probing Molecular-Level Surface Structures of Polyethersulfone/Pluronic F127 Blends Using Sum-Frequency Generation Vibrational Spectroscopy. Langmuir, 2008, 24, 7939-7946.	3.5	45
59	Terahertz dielectric assay of solution phase protein binding. Applied Physics Letters, 2007, 90, 243901.	3.3	56
60	Ultrafast Carriers Dynamics in GaSb/Mn Random Alloys. AIP Conference Proceedings, 2007, , .	0.4	1
61	Theoretical Studies of Energy Transfer Rates of Secondary Explosives. Journal of Physical Chemistry B, 2006, 110, 18515-18520.	2.6	51
62	Using terahertz spectroscopy as a protein binding assay. , 2006, 6080, 35.		0
63	Protein Conformational Dynamics Measured With Terahertz Time Domain Spectroscopy. , 2006, , .		1
64	Energy transfer rates and impact sensitivities of crystalline explosives. Combustion and Flame, 2003, 132, 240-246.	5.2	84
65	Vibron dynamics in RDX, \hat{I}^2 -HMX and Tetryl crystals. Chemical Physics, 2003, 293, 1-8.	1.9	17
66	Controlled-release polyurethane created by absorbing transition-metal acetate and benzyl carbinol. Journal of Applied Polymer Science, 2002, 85, 1170-1173.	2.6	2
67	Absorption of low molecular weight solutes into polyurethane in supercritical carbon dioxide. Journal of Applied Polymer Science, 2000, 77, 3162-3168.	2.6	2
68	Development of Tagless Biosensors for Detecting the Presence of Pathogens. , 0, , 123-134.		0