Khoi T Nguyen

List of Publications by Year
in descending order

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37	1,511	394421	330143
papers	citations	19 h-index	37 g-index

37	37	37	1742
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evidence of surfactant sub-monolayer adsorption at the air/water interface provided by laser scattering measurements of ultrafine gas bubbles. New Journal of Chemistry, 2021, 45, 14149-14157.	2.8	2
2	Utilizing polymer-conjugate albumin-based ultrafine gas bubbles in combination with ultra-high frequency radiations in drug transportation and delivery. RSC Advances, 2021, 11, 34440-34448.	3.6	4
3	Utilization of Ultrafine Gas Bubbles to Investigate the Jonesâ€“Ray Effect of Diluted Salt Solutions. Langmuir, 2021, 37, 14237-14242.	3.5	1
4	Hydrophobizing cellulose surfaces via catalyzed transesterification reaction using soybean oil and starch. Heliyon, 2020, 6, e05559.	3.2	4
5	Effects of Ultrafine Bubbles on Gram-Negative Bacteria: Inhibition or Selection?. Langmuir, 2019, 35, 13761-13768.	3.5	14
6	New Evidence of Head-to-Tail Complex Formation of SDSâ€“DOH Mixtures Adsorbed at the Airâ€“Water Interface as Revealed by Vibrational Sum Frequency Generation Spectroscopy and Isotope Labelling. Langmuir, 2019, 35, 4825-4833.	3.5	8
7	Improving the quality of Vernonia amygdalina extract by ultrasoundâ€assisted extraction coupled with gas bubble flotation. Journal of Food Process Engineering, 2019, 42, e13284.	2.9	1
8	Combined Sum Frequency Generation and Thin Liquid Film Study of the Specific Effect of Monovalent Cations on the Interfacial Water Structure. Langmuir, 2018, 34, 6844-6855.	3.5	11
9	Probing the Molecular Orientation of Methyl Isobutyl Carbinol at the Airâ€“Water Interface. Journal of Surfactants and Detergents, 2017, 20, 969-976.	2.1	7
10	Unexpected inhibition of CO2 gas hydrate formation in dilute TBAB solutions and the critical role of interfacial water structure. Fuel, 2016, 185, 517-523.	6.4	48
11	In Situ Investigation of Peptideâ€“Lipid Interaction Between PAP248â€“286 and Model Cell Membranes. Journal of Membrane Biology, 2016, 249, 411-417.	2.1	4
12	A sum-frequency generation spectroscopic study of the Gibbs analysis paradox: monolayer or sub-monolayer adsorption?. Physical Chemistry Chemical Physics, 2016, 18, 8794-8805.	2.8	27
13	An electronically enhanced chiral sum frequency generation vibrational spectroscopy study of lipid-bound cytochrome c. Chemical Communications, 2015, 51, 195-197.	4.1	13
14	Interfacial Water Structure at Surfactant Concentrations below and above the Critical Micelle Concentration as Revealed by Sum Frequency Generation Vibrational Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 15477-15481.	3.1	34
15	Suppressing interfacial water signals to assist the peak assignment of the N⁺â€“H stretching mode in sum frequency generation vibrational spectroscopy. Physical Chemistry Chemical Physics, 2015, 17, 28534-28538.	2.8	5
16	Orientation determination of interfacial bent Î±-helical structures using Sum Frequency Generation vibrational spectroscopy. Chemical Physics, 2015, 447, 15-21.	1.9	1
17	Interactions between halide anions and interfacial water molecules in relation to the Jonesâ€“Ray effect. Physical Chemistry Chemical Physics, 2014, 16, 24661-24665.	2.8	20
18	In situ investigation of halide co-ion effects on SDS adsorption at airâ€“water interfaces. Soft Matter, 2014, 10, 6556-6563.	2.7	24

#	Article	IF	Citations
19	Strong Cooperative Effect of Oppositely Charged Surfactant Mixtures on Their Adsorption and Packing at the Airâ€“Water Interface and Interfacial Water Structure. Langmuir, 2014, 30, 7047-7051.	3.5	27
20	Physiologically-Relevant Modes of Membrane Interactions by the Human Antimicrobial Peptide, LL-37, Revealed by SFG Experiments. Scientific Reports, 2013, 3, 1854.	3.3	51
21	Interfacial Orientation and Secondary Structure Change in Tachyplesin I: Molecular Dynamics and Sum Frequency Generation Spectroscopy Studies. Langmuir, 2011, 27, 14343-14351.	3.5	14
22	Temperature and Gate Voltage Dependent Raman Spectra of Single-Layer Graphene. ACS Nano, 2011, 5, 5273-5279.	14.6	39
23	Influence of defects and doping on optical phonon lifetime and Raman linewidth in carbon nanotubes. Physical Review B, 2011, 83, .	3.2	8
24	Investigation of sub-monolayer, monolayer, and multilayer self-assembled semifluorinated alkylsilane films. Journal of Colloid and Interface Science, 2011, 353, 322-330.	9.4	26
25	Orientation Determination of Interfacial Î²-Sheet Structures in Situ. Journal of Physical Chemistry B, 2010, 114, 8291-8300.	2.6	144
26	Probing the Spontaneous Membrane Insertion of a Tail-Anchored Membrane Protein by Sum Frequency Generation Spectroscopy. Journal of the American Chemical Society, 2010, 132, 15112-15115.	13.7	57
27	Interactions of Alamethicin with Model Cell Membranes Investigated Using Sum Frequency Generation Vibrational Spectroscopy in Real Time in Situ. Journal of Physical Chemistry B, 2010, 114, 3334-3340.	2.6	82
28	Orientation Difference of Chemically Immobilized and Physically Adsorbed Biological Molecules on Polymers Detected at the Solid/Liquid Interfaces in Situ. Langmuir, 2010, 26, 6471-6477.	3.5	69
29	Sum Frequency Generation Studies on Bioadhesion: Elucidating the Molecular Structure of Proteins at Interfaces. Journal of Adhesion, 2009, 85, 484-511.	3.0	18
30	Orientation Determination of Protein Helical Secondary Structures Using Linear and Nonlinear Vibrational Spectroscopy. Journal of Physical Chemistry B, 2009, 113, 12169-12180.	2.6	153
31	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
32	Molecular Interactions between Magainin 2 and Model Membranes in Situ. Journal of Physical Chemistry B, 2009, 113, 12358-12363.	2.6	105
33	Role of Covalent Defects on Phonon Softening in Metallic Carbon Nanotubes. Journal of the American Chemical Society, 2009, 131, 7103-7106.	13.7	15
34	Spectral Diversity in Raman G-band Modes of Metallic Carbon Nanotubes within a Single Chirality. Journal of Physical Chemistry C, 2008, 112, 13017-13023.	3.1	18
35	Fano Lineshape and Phonon Softening in Single Isolated Metallic Carbon Nanotubes. Physical Review Letters, 2007, 98, 145504.	7.8	97
36	Raman Spectral Evolution in Individual Metallic Single-Walled Carbon Nanotubes upon Covalent Sidewall Functionalizationâ€. Journal of Physical Chemistry C, 2007, 111, 17755-17760.	3.1	23

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37	Design of a Highly Sensitive and Specific Nucleotide Sensor Based on Photon Upconverting Particles. Journal of the American Chemical Society, 2006, 128, 12410-12411.	13.7	235