

Nien-Hui Ge

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2399704/publications.pdf>

Version: 2024-02-01

33
papers

1,229
citations

471509

17
h-index

477307

29
g-index

35
all docs

35
docs citations

35
times ranked

1158
citing authors

#	ARTICLE	IF	CITATIONS
1	Photobase-Triggered Formation of 3D Epitaxially Fused Quantum Dot Superlattices with High Uniformity and Low Bulk Defect Densities. ACS Nano, 2022, 16, 3239-3250.	14.6	5
2	Ultrafast vibrational dynamics of the tyrosine ring mode and its application to enkephalin insertion into phospholipid membranes as probed by two-dimensional infrared spectroscopy. Journal of Chemical Physics, 2021, 155, 035102.	3.0	3
3	Phase-Sensitive Vibrationally Resonant Sum-Frequency Generation Microscopy in Multiplex Configuration at 80 MHz Repetition Rate. Journal of Physical Chemistry B, 2021, 125, 9507-9516.	2.6	11
4	Wavelength and Polarization Dependence of Second-Harmonic Responses from Gold Nanocrescent Arrays. Journal of Physical Chemistry C, 2020, 124, 20424-20435.	3.1	12
5	Vibrational Spectroscopic Map, Vibrational Spectroscopy, and Intermolecular Interaction. Chemical Reviews, 2020, 120, 7152-7218.	47.7	205
6	Optimized noise reduction scheme for heterodyne spectroscopy using array detectors. Optics Express, 2019, 27, 20323.	3.4	17
7	General noise suppression scheme with reference detection in heterodyne nonlinear spectroscopy. Optics Express, 2017, 25, 26262.	3.4	43
8	Structure of Penta-Alanine Investigated by Two-Dimensional Infrared Spectroscopy and Molecular Dynamics Simulation. Journal of Physical Chemistry B, 2016, 120, 5325-5339.	2.6	18
9	Polarization-Sensitive Sum-Frequency Generation Microscopy of Collagen Fibers. Journal of Physical Chemistry B, 2015, 119, 3356-3365.	2.6	33
10	Molecular Imaging with Sum-frequency Generation Microscopy. , 2015, , .		0
11	Molecular Imaging with Sum-frequency Generation Microscopy. , 2015, , .		1
12	¹³ C- ¹⁸ O/ ¹⁵ N Isotope Dependence of the Amide-I/II 2D IR Cross Peaks for the Fully Extended Peptides. Journal of Physical Chemistry C, 2014, 118, 29448-29457.	3.1	15
13	Mapping Molecular Orientation with Phase Sensitive Vibrationally Resonant Sum-Frequency Generation Microscopy. Journal of Physical Chemistry B, 2013, 117, 6149-6156.	2.6	54
14	Vibrational correlation between conjugated carbonyl and diazo modes studied by single- and dual-frequency two-dimensional infrared spectroscopy. Chemical Physics, 2013, 422, 22-30.	1.9	8
15	Picosecond Rotational Interconversion Adjacent to a C=O Bond Studied by Two-Dimensional Infrared Spectroscopy. Journal of Physical Chemistry B, 2012, 116, 11292-11301.	2.6	13
16	Linear and Two-Dimensional Infrared Spectroscopic Study of the Amide I and II Modes in Fully Extended Peptide Chains. Journal of Physical Chemistry B, 2011, 115, 5168-5182.	2.6	49
17	Stapling of a 3 ¹⁰ -Helix with Click Chemistry. Journal of Organic Chemistry, 2011, 76, 1228-1238.	3.2	56
18	Rapid vibrational imaging with sum frequency generation microscopy. Optics Letters, 2011, 36, 3891.	3.3	75

#	ARTICLE	IF	CITATIONS
19	Interactions of Tyrosine in Leu-Enkephalin at a Membrane-Water Interface: An Ultrafast Two-Dimensional Infrared Study Combined with Density Functional Calculations and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1180-1190.	2.6	11
20	Comparative Study of Electrostatic Models for the Amide-I and -II Modes: Linear and Two-Dimensional Infrared Spectra. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1434-1446.	2.6	61
21	Sensitivity of 2D IR Spectra to Peptide Helicity: A Concerted Experimental and Simulation Study of an Octapeptide. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12037-12049.	2.6	41
22	Toward Detecting the Formation of a Single Helical Turn by 2D IR Cross Peaks between the Amide-I and -II Modes. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11775-11786.	2.6	33
23	Couplings between Peptide Linkages across a 3×10 -Helical Hydrogen Bond Revealed by Two-Dimensional Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 2042-2043.	13.7	49
24	Chain Length Dependence of Two-Dimensional Infrared Spectral Pattern Characteristic to 3×10 -Helix Peptides. <i>Springer Series in Chemical Physics</i> , 2009, , 415-417.	0.2	0
25	Onset of 3×10 -Helical Secondary Structure in Aib Oligopeptides Probed by Coherent 2D IR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 6556-6566.	13.7	51
26	Two-Dimensional Infrared Spectral Signatures of 3×10 - and 1×1 -Helical Peptides. <i>Journal of Physical Chemistry B</i> , 2007, 111, 3222-3235.	2.6	64
27	Probing Peptide Structures by Two-Dimensional Infrared Spectroscopy. , 2007, , .		0
28	Different Two-Dimensional Infrared Spectral Signatures for 3×10 - and 1×1 -Helix Octapeptides. <i>Springer Series in Chemical Physics</i> , 2007, , 347-349.	0.2	0
29	Different Spectral Signatures of Octapeptide 3×10 - and 1×1 -Helices Revealed by Two-Dimensional Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5834-5837.	2.6	67
30	Conformations of N-Acetyl-L-Prolineamide by Two-Dimensional Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19891-19905.	2.6	47
31	Femtosecond two-dimensional infrared spectroscopy: IR-COSY and THIRSTY. <i>PhysChemComm</i> , 2002, 5, 17.	0.8	33
32	Effects of Vibrational Frequency Correlations on Two-Dimensional Infrared Spectra. <i>Journal of Physical Chemistry A</i> , 2002, 106, 962-972.	2.5	147
33	Femtosecond Two-Dimensional Infrared Spectroscopy. <i>Journal of the Chinese Chemical Society</i> , 2000, 47, 843-853.	1.4	5