

Ziad Ganim

List of Publications by Year in descending order

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28
papers

1,895
citations

430874

18
h-index

610901

24
g-index

31
all docs

31
docs citations

31
times ranked

1846
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc Oxide @ Silica Core/Shell Microspheres for Single-Molecule Force Microscopy in Aqueous and Nonaqueous Solvents. <i>Journal of Physical Chemistry C</i> , 2020, 124, 5789-5795.	3.1	3
2	Force-detected nanoscale absorption spectroscopy in water at room temperature using an optical trap. <i>Journal of Chemical Physics</i> , 2018, 148, 144201.	3.0	2
3	Mechanically switching single-molecule fluorescence of GFP by unfolding and refolding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11052-11056.	7.1	48
4	An Optical Tweezers Platform for Single Molecule Force Spectroscopy in Organic Solvents. <i>Nano Letters</i> , 2017, 17, 6598-6605.	9.1	34
5	Octave-spanning mid-infrared pulses by plasma generation in air pumped with an Yb:KGW source. <i>Optics Letters</i> , 2016, 41, 4855.	3.3	7
6	Combined Single Molecule Force and Fluorescence Spectroscopy of the Unfolding and Refolding of Green Fluorescent Protein. <i>Biophysical Journal</i> , 2014, 106, 450a.	0.5	0
7	Single-Molecule Vibrational Spectroscopy Adds Structural Resolution to the Optical Trap. <i>Biophysical Journal</i> , 2013, 104, 4-5.	0.5	1
8	Transient two-dimensional spectroscopy with linear absorption corrections applied to temperature-jump two-dimensional infrared. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 118.	2.1	26
9	Vibrational excitons in ionophores: experimental probes for quantum coherence-assisted ion transport and selectivity in ion channels. <i>New Journal of Physics</i> , 2011, 13, 113030.	2.9	32
10	Solvent and conformation dependence of amide I vibrations in peptides and proteins containing proline. <i>Journal of Chemical Physics</i> , 2011, 135, 234507.	3.0	58
11	Melting of a β -Hairpin Peptide Using Isotope-Edited 2D IR Spectroscopy and Simulations. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10913-10924.	2.6	97
12	Insulin dimer dissociation and unfolding revealed by amide I two-dimensional infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 3579-3588.	2.8	71
13	Amide I β -Sheet 2D IR Spectroscopy Provides Enhanced Protein Secondary Structural Sensitivity. <i>Journal of the American Chemical Society</i> , 2009, 131, 3385-3391.	13.7	141
14	Multidimensional IR Study Of The Structure And Dynamics Of Elastin Protein. <i>Biophysical Journal</i> , 2009, 96, 322a.	0.5	0
15	Transient Nonlinear Infrared Spectroscopy of Ubiquitin Unfolding Dynamics. <i>Biophysical Journal</i> , 2009, 96, 320a.	0.5	0
16	Heterodyne-Detected Dispersed Vibrational Echo Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2009, 113, 14060-14066.	2.5	35
17	Dissociation and Unfolding of Insulin Dimers. <i>Biophysical Journal</i> , 2009, 96, 388a.	0.5	0
18	Amide I Two-Dimensional Infrared Spectroscopy of Proteins. <i>Accounts of Chemical Research</i> , 2008, 41, 432-441.	15.6	427

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19	Transient 2D IR spectroscopy of ubiquitin unfolding dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14237-14242.	7.1	164
20	Multidimensional IR Spectroscopy of Site-Specific Hairpin Folding. Springer Series in Chemical Physics, 2007, , 350-352.	0.2	0
21	Spectral Signatures of Heterogeneous Protein Ensembles Revealed by MD Simulations of 2DIR Spectra. Biophysical Journal, 2006, 91, 2636-2646.	0.5	91
22	The Anharmonic Vibrational Potential and Relaxation Pathways of the Amide I and II Modes of N-Methylacetamide. Journal of Physical Chemistry B, 2006, 110, 18973-18980.	2.6	123
23	Multidimensional IR Spectroscopy of Site-Specific Hairpin Folding. , 2006, , .		0
24	From The Cover: Conformational changes during the nanosecond-to-millisecond unfolding of ubiquitin. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 612-617.	7.1	150
25	Residual Native Structure in a Thermally Denatured β^2 -Hairpin. Journal of Physical Chemistry B, 2005, 109, 17025-17027.	2.6	60
26	Resonance Raman Analysis of the Mechanism of Energy Storage and Chromophore Distortion in the Primary Visual Photoproduct. Biochemistry, 2004, 43, 10867-10876.	2.5	51
27	Retinal counterion switch in the photoactivation of the G protein-coupled receptor rhodopsin. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9262-9267.	7.1	204
28	Time-Resolved Resonance Raman Analysis of Chromophore Structural Changes in the Formation and Decay of Rhodopsin's BSI Intermediate. Journal of the American Chemical Society, 2002, 124, 4857-4864.	13.7	68