

# 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	Amide I Two-Dimensional Infrared Spectroscopy of Proteins. <i>Accounts of Chemical Research</i> , 2008, 41, 432-441.	15.6	427
2	Retinal counterion switch in the photoactivation of the G protein-coupled receptor rhodopsin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9262-9267.	7.1	204
3	Transient 2D IR spectroscopy of ubiquitin unfolding dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14237-14242.	7.1	164
4	From The Cover: Conformational changes during the nanosecond-to-millisecond unfolding of ubiquitin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 612-617.	7.1	150
5	Amide I $\nu_2$ 2D IR Spectroscopy Provides Enhanced Protein Secondary Structural Sensitivity. <i>Journal of the American Chemical Society</i> , 2009, 131, 3385-3391.	13.7	141
6	The Anharmonic Vibrational Potential and Relaxation Pathways of the Amide I and II Modes of N-Methylacetamide. <i>Journal of Physical Chemistry B</i> , 2006, 110, 18973-18980.	2.6	123
7	Melting of a $\beta$ -Hairpin Peptide Using Isotope-Edited 2D IR Spectroscopy and Simulations. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10913-10924.	2.6	97
8	Spectral Signatures of Heterogeneous Protein Ensembles Revealed by MD Simulations of 2DIR Spectra. <i>Biophysical Journal</i> , 2006, 91, 2636-2646.	0.5	91
9	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
10	Time-Resolved Resonance Raman Analysis of Chromophore Structural Changes in the Formation and Decay of Rhodopsin's BSI Intermediate. <i>Journal of the American Chemical Society</i> , 2002, 124, 4857-4864.	13.7	68
11	Residual Native Structure in a Thermally Denatured $\beta$ -Hairpin. <i>Journal of Physical Chemistry B</i> , 2005, 109, 17025-17027.	2.6	60
12	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
13	Resonance Raman Analysis of the Mechanism of Energy Storage and Chromophore Distortion in the Primary Visual Photoproduct. <i>Biochemistry</i> , 2004, 43, 10867-10876.	2.5	51
14	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
15	Heterodyne-Detected Dispersed Vibrational Echo Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2009, 113, 14060-14066.	2.5	35
16	An Optical Tweezers Platform for Single Molecule Force Spectroscopy in Organic Solvents. <i>Nano Letters</i> , 2017, 17, 6598-6605.	9.1	34
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Octave-spanning mid-infrared pulses by plasma generation in air pumped with an Yb:KGW source. Optics Letters, 2016, 41, 4855.	3.3	7
20	Zinc Oxide @ Silica Core/Shell Microspheres for Single-Molecule Force Microscopy in Aqueous and Nonaqueous Solvents. Journal of Physical Chemistry C, 2020, 124, 5789-5795.	3.1	3
21	Force-detected nanoscale absorption spectroscopy in water at room temperature using an optical trap. Journal of Chemical Physics, 2018, 148, 144201.	3.0	2
22	Single-Molecule Vibrational Spectroscopy Adds Structural Resolution to the Optical Trap. Biophysical Journal, 2013, 104, 4-5.	0.5	1
23	Multidimensional IR Study Of The Structure And Dynamics Of Elastin Protein. Biophysical Journal, 2009, 96, 322a.	0.5	0
24	Transient Nonlinear Infrared Spectroscopy of Ubiquitin Unfolding Dynamics. Biophysical Journal, 2009, 96, 320a.	0.5	0
25	Dissociation and Unfolding of Insulin Dimers. Biophysical Journal, 2009, 96, 388a.	0.5	0
26	Combined Single Molecule Force and Fluorescence Spectroscopy of the Unfolding and Refolding of Green Fluorescent Protein. Biophysical Journal, 2014, 106, 450a.	0.5	0
27	Multidimensional IR Spectroscopy of Site-Specific Hairpin Folding. , 2006, , .		0
28	Multidimensional IR Spectroscopy of Site-Specific Hairpin Folding. Springer Series in Chemical Physics, 2007, , 350-352.	0.2	0