

Martin T Zanni

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

127
papers

7,431
citations

43
h-index

84
g-index

267
ext. papers

8,289
ext. citations

7.3
avg, IF

6.28
L-index

#	Paper	IF	Citations
127	A polarization scheme that resolves cross-peaks with transient absorption and eliminates diagonal peaks in 2D spectroscopy.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	4
126	50 and 100 Years Ago in The Journal of Physical Chemistry. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 6093-6095	3.8	
125	Structure Changes of a Membrane Polypeptide under an Applied Voltage Observed with Surface-Enhanced 2D IR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 1786-1792	6.4	2
124	Application of 2D IR Bioimaging: Hyperspectral Images of Formalin-Fixed Pancreatic Tissues and Observation of Slow Protein Degradation. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 9517-9525	3.4	2
123	Ultrafast Fluctuations in PM6 Domains of Binary and Ternary Organic Photovoltaic Thin Films Probed with Two-Dimensional White-Light Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 8972-8979	6.4	3
122	Analysis of amyloid-like secondary structure in the Cryab-R120G knock-in mouse model of hereditary cataracts by two-dimensional infrared spectroscopy. <i>PLoS ONE</i> , 2021 , 16, e0257098	3.7	5
121	A Tribute to Daniel M. Neumark. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 10255-10256	2.8	
120	Thermal Annealing of Singlet Fission Microcrystals Reveals the Benefits of Charge Transfer Couplings and Slip-Stacked Packing. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 15123-15131	3.8	6
119	Confronting Racism in Chemistry Journals. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6131-6133	5.6	
118	Confronting Racism in Chemistry Journals. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 2496-2498	4.3	
117	Confronting Racism in Chemistry Journals. <i>Organometallics</i> , 2020 , 39, 2331-2333	3.8	
116	Vibrational Spectroscopic Map, Vibrational Spectroscopy, and Intermolecular Interaction. <i>Chemical Reviews</i> , 2020 , 120, 7152-7218	68.1	87
115	Providing Time to Transfer: Longer Lifetimes Lead to Improved Energy Transfer in Films of Semiconducting Carbon Nanotubes. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6016-6024	6.4	5
114	Update to Our Reader, Reviewer, and Author CommunitiesApril 2020. <i>Energy & Fuels</i> , 2020 , 34, 5107-5108	4.1	
113	A Proposed Method to Obtain Surface Specificity with Pump-Probe and 2D Spectroscopies. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 3471-3483	2.8	9
112	Update to Our Reader, Reviewer, and Author CommunitiesApril 2020. <i>Organometallics</i> , 2020 , 39, 1665-1666	3.6	
111	Shot-to-shot 2D IR spectroscopy at 100 kHz using a Yb laser and custom-designed electronics. <i>Optics Express</i> , 2020 , 28, 33584-33602	3.3	17

110	Confronting Racism in Chemistry Journals. <i>Journal of Chemical Health and Safety</i> , 2020 , 27, 198-200	1.7	
109	IR Spectroscopy Can Reveal the Mechanism of K Transport in Ion Channels. <i>Biophysical Journal</i> , 2020 , 118, 254-261	2.9	7
108	Impact of non-equilibrium molecular packings on singlet fission in microcrystals observed using 2D white-light microscopy. <i>Nature Chemistry</i> , 2020 , 12, 40-47	17.6	26
107	A Different hIAPP Polymorph Is Observed in Human Serum Than in Aqueous Buffer: Demonstration of a New Method for Studying Amyloid Fibril Structure Using Infrared Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6382-6388	6.4	7
106	Enhancing the signal strength of surface sensitive 2D IR spectroscopy. <i>Journal of Chemical Physics</i> , 2019 , 150, 024707	3.9	17
105	Monolayer Sensitivity Enables a 2D IR Spectroscopic Immuno-biosensor for Studying Protein Structures: Application to Amyloid Polymorphs. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3836-3842	6.4	9
104	Amyloid found in human cataracts with two-dimensional infrared spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6602-6607	11.5	40
103	Two-Dimensional White-Light Spectroscopy Using Supercontinuum from an All-Normal Dispersion Photonic Crystal Fiber Pumped by a 70 MHz Yb Fiber Oscillator. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 3046-3055	2.8	13
102	The Periodic Table. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 5837-5848	2.8	1
101	The JPC Periodic Table. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 17063-17074	3.8	1
100	The JPC Periodic Table. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4051-4062	6.4	1
99	Multidimensional Spectroscopy on the Microscale: Development of a Multimodal Imaging System Incorporating 2D White-Light Spectroscopy, Broadband Transient Absorption, and Atomic Force Microscopy. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 10824-10836	2.8	13
98	Heterogeneous Amyloid Sheet Polymorphs Identified on Hydrogen Bond Promoting Surfaces Using 2D SFG Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 1270-1282	2.8	17
97	Two-Dimensional Spectroscopy Is Being Used to Address Core Scientific Questions in Biology and Materials Science. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 1771-1780	3.4	45
96	Two-dimensional infrared (2D IR) spectroscopy for elucidating ion occupancies in the selectivity filter of ion channels. <i>Biomedical Spectroscopy and Imaging</i> , 2018 , 7, 3-15	1.3	
95	Less severe processing improves carbon nanotube photovoltaic performance. <i>APL Materials</i> , 2018 , 6, 056104	5.7	12
94	Invariance of Water Permeance through Size-Differentiated Graphene Oxide Laminates. <i>ACS Nano</i> , 2018 , 12, 7855-7865	16.7	43
93	Site-specific detection of protein secondary structure using 2D IR dihedral indexing: a proposed assembly mechanism of oligomeric hIAPP. <i>Chemical Science</i> , 2018 , 9, 463-474	9.4	21

92	Spectroscopic Signature for Stable β -Amyloid Fibrils versus β -Sheet-Rich Oligomers. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 144-153	3.4	37
91	Two-Dimensional Electronic Spectroscopy Reveals Excitation Energy-Dependent State Mixing during Singlet Fission in a Terrylenediimide Dimer. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17907-17914	16.4	33
90	Structural Polymorphs Suggest Competing Pathways for the Formation of Amyloid Fibrils That Diverge from a Common Intermediate Species. <i>Biochemistry</i> , 2018 , 57, 6470-6478	3.2	14
89	Energy Transfer Between Coherently Delocalized States in Thin Films of the Explosive Pentaerythritol Tetranitrate (PETN) Revealed by Two-Dimensional Infrared Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 1352-1361	3.4	21
88	Watching Proteins Wiggle: Mapping Structures with Two-Dimensional Infrared Spectroscopy. <i>Chemical Reviews</i> , 2017 , 117, 10726-10759	68.1	143
87	GXXXG-Mediated Parallel and Antiparallel Dimerization of Transmembrane Helices and Its Inhibition by Cholesterol: Single-Pair FRET and 2D IR Studies. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1756-1759	16.4	13
86	GXXXG-Mediated Parallel and Antiparallel Dimerization of Transmembrane Helices and Its Inhibition by Cholesterol: Single-Pair FRET and 2D IR Studies. <i>Angewandte Chemie</i> , 2017 , 129, 1782-1785	3.6	1
85	Triplet exciton dissociation and electron extraction in graphene-templated pentacene observed with ultrafast spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 4809-4820	3.6	9
84	Solvent-Independent Anharmonicity for Carbonyl Oscillators. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 2331-2338	3.4	27
83	Role of Defects as Exciton Quenching Sites in Carbon Nanotube Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 8310-8318	3.8	20
82	Probing the Effects of Gating on the Ion Occupancy of the K Channel Selectivity Filter Using Two-Dimensional Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8837-8845	16.4	24
81	Amyloid β -Sheet Secondary Structure Identified in UV-Induced Cataracts of Porcine Lenses using 2D IR Spectroscopy. <i>Journal of Molecular Biology</i> , 2017 , 429, 1705-1721	6.5	27
80	A Free Energy Barrier Caused by the Refolding of an Oligomeric Intermediate Controls the Lag Time of Amyloid Formation by hIAPP. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16748-16758	16.4	40
79	Not All β -Sheets Are the Same: Amyloid Infrared Spectra, Transition Dipole Strengths, and Couplings Investigated by 2D IR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 8935-8945	3.4	39
78	"New Physical Chemistry Insight" in Experimental Bio-Physical Chemistry. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 6455	3.4	2
77	Broadband 2D electronic spectrometer using white light and pulse shaping: noise and signal evaluation at 1 and 100 kHz. <i>Optics Express</i> , 2017 , 25, 7869-7883	3.3	52
76	Instantaneous ion configurations in the K ⁺ ion channel selectivity filter revealed by 2D IR spectroscopy. <i>Science</i> , 2016 , 353, 1040-1044	33.3	142
75	Ultrafast Exciton Hopping Observed in Bare Semiconducting Carbon Nanotube Thin Films with Two-Dimensional White-Light Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2024-31	6.4	25

74	Spatially Resolved Two-Dimensional Infrared Spectroscopy via Wide-Field Microscopy. <i>ACS Photonics</i> , 2016 , 3, 1315-1323	6.3	32
73	Experimental implementations of 2D IR spectroscopy through a horizontal pulse shaper design and a focal plane array detector. <i>Optics Letters</i> , 2016 , 41, 524-7	3	25
72	Water Dynamics in Gyroid Phases of Self-Assembled Gemini Surfactants. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2472-5	16.4	31
71	Isotope-Labeled Amyloids via Synthesis, Expression, and Chemical Ligation for Use in FTIR, 2D IR, and NMR Studies. <i>Methods in Molecular Biology</i> , 2016 , 1345, 21-41	1.4	6
70	Time-resolved studies define the nature of toxic IAPP intermediates, providing insight for anti-amyloidosis therapeutics. <i>ELife</i> , 2016 , 5,	8.9	85
69	Polarization-Controlled Two-Dimensional White-Light Spectroscopy of Semiconducting Carbon Nanotube Thin Films. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 17069-17080	3.8	15
68	Two-dimensional infrared spectroscopy measures the structural dynamics of a self-assembled film only one molecule thick. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 4890-1	11.5	9
67	Probing Site-Specific Structural Information of Peptides at Model Membrane Interface In Situ. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10190-8	16.4	41
66	Myeloperoxidase-mediated Methionine Oxidation Promotes an Amyloidogenic Outcome for Apolipoprotein A-I. <i>Journal of Biological Chemistry</i> , 2015 , 290, 10958-71	5.4	26
65	Energy transfer pathways in semiconducting carbon nanotubes revealed using two-dimensional white-light spectroscopy. <i>Nature Communications</i> , 2015 , 6, 6732	17.4	68
64	Counting tagged molecules one by one: Quantitative photoactivation and bleaching of photoactivatable fluorophores. <i>Journal of Chemical Physics</i> , 2015 , 143, 104201	3.9	1
63	Wide-field FTIR microscopy using mid-IR pulse shaping. <i>Optics Express</i> , 2015 , 23, 17815-27	3.3	22
62	Structural Characterization of Single-Stranded DNA Monolayers Using Two-Dimensional Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 10586-96	3.4	20
61	Dye aggregation identified by vibrational coupling using 2D IR spectroscopy. <i>Journal of Chemical Physics</i> , 2015 , 142, 212449	3.9	40
60	Transition Dipoles from 1D and 2D Infrared Spectroscopy Help Reveal the Secondary Structures of Proteins: Application to Amyloids. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 14065-75	3.4	40
59	Two-dimensional sum-frequency generation (2D SFG) spectroscopy: summary of principles and its application to amyloid fiber monolayers. <i>Faraday Discussions</i> , 2015 , 177, 493-505	3.6	23
58	Mutational analysis of preamyloid intermediates: the role of his-tyr interactions in islet amyloid formation. <i>Biophysical Journal</i> , 2014 , 106, 1520-7	2.9	27
57	Structural motif of polyglutamine amyloid fibrils discerned with mixed-isotope infrared spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 5796-801	11.5	86

56	Dye Self-Association Identified by Intermolecular Couplings between Vibrational Modes As Revealed by Infrared Spectroscopy, and Implications for Electron Injection. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 5854-5861	3.8	30
55	Experimental Measurement of the Binding Configuration and Coverage of Chirality-Sorting Polyfluorenes on Carbon Nanotubes. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3742-9	6.4	34
54	General strategy for the bioorthogonal incorporation of strongly absorbing, solvation-sensitive infrared probes into proteins. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 7946-53	3.4	26
53	Diffusion-assisted photoexcitation transfer in coupled semiconducting carbon nanotube thin films. <i>ACS Nano</i> , 2014 , 8, 5383-94	16.7	27
52	Two-dimensional sum-frequency generation reveals structure and dynamics of a surface-bound peptide. <i>Journal of the American Chemical Society</i> , 2014 , 136, 956-62	16.4	53
51	How to Get Insight into Amyloid Structure and Formation from Infrared Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 1984-1993	6.4	146
50	Insights into amylin aggregation by 2D IR spectroscopy. <i>Biomedical Spectroscopy and Imaging</i> , 2014 , 3, 189-196	1.3	
49	2D IR spectroscopy reveals the role of water in the binding of channel-blocking drugs to the influenza M2 channel. <i>Journal of Chemical Physics</i> , 2014 , 140, 235105	3.9	22
48	Amyloid fiber formation in human D-Crystallin induced by UV-B photodamage. <i>Biochemistry</i> , 2013 , 52, 6169-81	3.2	41
47	Mechanism of IAPP amyloid fibril formation involves an intermediate with a transient sheet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19285-90	11.5	182
46	Simplified and economical 2D IR spectrometer design using a dual acousto-optic modulator. <i>Chemical Physics</i> , 2013 , 422, 8-15	2.3	25
45	Extracting structural information from the polarization dependence of one- and two-dimensional sum frequency generation spectra. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 5875-90	2.8	43
44	Photoexcitation dynamics of coupled semiconducting carbon nanotube thin films. <i>Nano Letters</i> , 2013 , 13, 1495-501	11.5	38
43	2D IR cross peaks reveal hydrogen-deuterium exchange with single residue specificity. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 15297-305	3.4	24
42	A strongly absorbing class of non-natural labels for probing protein electrostatics and solvation with FTIR and 2D IR spectroscopies. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 5009-18	3.4	43
41	Site-specific orientation of an helical peptide ovispirin-1 from isotope-labeled SFG spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 14625-34	3.4	27
40	Two-dimensional IR spectroscopy and segmental ¹³ C labeling reveals the domain structure of human D-crystallin amyloid fibrils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3329-34	11.5	119
39	Structural and sequence analysis of the human D-crystallin amyloid fibril core using 2D IR spectroscopy, segmental ¹³ C labeling, and mass spectrometry. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18410-6	16.4	35

38	Two-dimensional infrared spectroscopy reveals the complex behaviour of an amyloid fibril inhibitor. <i>Nature Chemistry</i> , 2012 , 4, 355-60	17.6	145
37	Parallel β -sheet vibrational couplings revealed by 2D IR spectroscopy of an isotopically labeled macrocycle: quantitative benchmark for the interpretation of amyloid and protein infrared spectra. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19118-28	16.4	78
36	Deamidation accelerates amyloid formation and alters amylin fiber structure. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12658-67	16.4	79
35	Quantification of transition dipole strengths using 1D and 2D spectroscopy for the identification of molecular structures via exciton delocalization: application to β -helices. <i>Journal of Chemical Physics</i> , 2012 , 137, 184202	3.9	65
34	Examining Amyloid Structure and Kinetics with 1D and 2D Infrared Spectroscopy and Isotope Labeling 2012 , 217-237		7
33	2DIR spectroscopy of human amylin fibrils reflects stable β -sheet structure. <i>Journal of the American Chemical Society</i> , 2011 , 133, 16062-71	16.4	99
32	Utilizing Lifetimes to Suppress Random Coil Features in 2D IR Spectra of Peptides. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 2357-2361	6.4	27
31	Adding a dimension to the infrared spectra of interfaces using heterodyne detected 2D sum-frequency generation (HD 2D SFG) spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 20902-7	11.5	144
30	Concepts and Methods of 2D Infrared Spectroscopy 2011 ,		972
29	2D IR line shapes probe α -helix peptide conformation and depth in lipid bilayers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2832-8	16.4	82
28	Solution structures of rat amylin peptide: simulation, theory, and experiment. <i>Biophysical Journal</i> , 2010 , 98, 443-51	2.9	49
27	Stable and metastable states of human amylin in solution. <i>Biophysical Journal</i> , 2010 , 99, 2208-16	2.9	91
26	Efficient microwave-assisted synthesis of human islet amyloid polypeptide designed to facilitate the specific incorporation of labeled amino acids. <i>Organic Letters</i> , 2010 , 12, 4848-51	6.2	66
25	Residue-specific structural kinetics of proteins through the union of isotope labeling, mid-IR pulse shaping, and coherent 2D IR spectroscopy. <i>Methods</i> , 2010 , 52, 12-22	4.6	90
24	New Advances in Mid-IR Pulse Shaping and its Application to 2D IR Spectroscopy and Ground-State Coherent Control. <i>Advances in Chemical Physics</i> , 2009 , 1-28		16
23	Two-dimensional IR spectroscopy and isotope labeling defines the pathway of amyloid formation with residue-specific resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 6614-9	11.5	251
22	Gating mechanism of the influenza A M2 channel revealed by 1D and 2D IR spectroscopies. <i>Structure</i> , 2009 , 17, 247-54	5.2	108
21	Two-dimensional infrared spectroscopy provides evidence of an intermediate in the membrane-catalyzed assembly of diabetic amyloid. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 2498-505	3.4	61

20	Strategies for extracting structural information from 2D IR spectroscopy of amyloid: application to islet amyloid polypeptide. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 15679-91	3.4	81
19	How to turn your pump-probe instrument into a multidimensional spectrometer: 2D IR and Vis spectroscopies via pulse shaping. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 748-61	3.6	300
18	Signal enhancement and background cancellation in collinear two-dimensional spectroscopies. <i>Optics Letters</i> , 2008 , 33, 1371-3	3	41
17	Evidence for coupling between nitrile groups using DNA templates: a promising new method for monitoring structures with infrared spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 1336-8	3.4	61
16	Tracking fiber formation in human islet amyloid polypeptide with automated 2D-IR spectroscopy. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6698-9	16.4	112
15	Automated 2D IR spectroscopy using a mid-IR pulse shaper and application of this technology to the human islet amyloid polypeptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 14197-202	11.5	245
14	Facile collection of two-dimensional electronic spectra using femtosecond pulse-shaping Technology. <i>Optics Express</i> , 2007 , 15, 16681-9	3.3	117
13	Picosecond dynamics of a membrane protein revealed by 2D IR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 3528-33	11.5	190
12	DNA vibrational coupling revealed with two-dimensional infrared spectroscopy: insight into why vibrational spectroscopy is sensitive to DNA structure. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 13991-4000	3.4	133
11	Structural disorder of the CD3zeta transmembrane domain studied with 2D IR spectroscopy and molecular dynamics simulations. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 24740-9	3.4	56
10	Interpreting DNA vibrational circular dichroism spectra using a coupling model from two-dimensional infrared spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 24720-7	3.4	18
9	Femtosecond pulse shaping directly in the mid-IR using acousto-optic modulation. <i>Optics Letters</i> , 2006 , 31, 838-40	3	128
8	Generation and characterization of phase and amplitude shaped femtosecond mid-IR pulses. <i>Optics Express</i> , 2006 , 14, 13120-30	3.3	81
7	Vibrational dynamics of ions in glass from fifth-order two-dimensional infrared spectroscopy. <i>Physical Review Letters</i> , 2005 , 94, 067402	7.4	36
6	A pulse sequence for directly measuring the anharmonicities of coupled vibrations: Two-quantum two-dimensional infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2004 , 120, 8067-78	3.9	84
5	Inter and Intrastrand Vibrational Coupling in DNA Studied with Heterodyned 2D-IR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 9165-9169	3.4	143
4	Effects of Vibrational Frequency Correlations on Two-Dimensional Infrared Spectra \square <i>Journal of Physical Chemistry A</i> , 2002 , 106, 962-972	2.8	141
3	Two-dimensional heterodyned and stimulated infrared photon echoes of N-methylacetamide-D. <i>Journal of Chemical Physics</i> , 2001 , 114, 4579	3.9	232

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| 2 | Heterodyned Two-Dimensional Infrared Spectroscopy of Solvent-Dependent Conformations of Acetylproline-NH ₂ <i>Journal of Physical Chemistry B</i> , 2001 , 105, 6520-6535 | 3.4 | 178 |
| 1 | 2D White-Light Spectroscopy: Application to Lead-Halide Perovskites with Mixed Cations. <i>ACS Symposium Series</i> , 135-151 | 0.4 | |