

Peter Hamm

List of Publications by Year in descending order

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223
papers

13,062
citations

23500

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all docs

235
docs citations

235
times ranked

7346
citing authors

#	ARTICLE	IF	CITATIONS
1	Using azobenzene photocontrol to set proteins in motion. <i>Nature Reviews Chemistry</i> , 2022, 6, 112-124.	13.8	27
2	Signal Propagation Within the MCL-1/BIM Protein Complex. <i>Journal of Molecular Biology</i> , 2022, 434, 167499.	2.0	5
3	Low-frequency anharmonic couplings in bromoform revealed from 2D Raman-THz spectroscopy: from the liquid to the crystalline phase.. <i>Journal of Chemical Physics</i> , 2022, 156, 174501.	1.2	2
4	Flexible to rigid: IR spectroscopic investigation of a rhenium-tricarbonyl-complex at a buried interface. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4311-4316.	1.3	5
5	Needles in a haystack: H-bonding in an optogenetic protein observed with isotope labeling and 2D-IR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10267-10273.	1.3	7
6	Dielectric response of light, heavy and heavy-oxygen water: isotope effects on the hydrogen-bonding network's collective relaxation dynamics. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 5467-5473.	1.3	11
7	Transient CO desorption from thin Pt films induced by mid-IR pumping. <i>Journal of Chemical Physics</i> , 2021, 154, 084706.	1.2	0
8	Transient 2D IR spectroscopy from micro- to milliseconds. <i>Journal of Chemical Physics</i> , 2021, 154, 104201.	1.2	20
9	About Control: Kinetics in Molecule- based Photochemical Water Reduction Investigated by Transient IR Spectroscopy. <i>Chimia</i> , 2021, 75, 188-194.	0.3	1
10	The Speed of Allosteric Signaling Within a Single-Domain Protein. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4262-4267.	2.1	19
11	Sequence of Events during Peptide Unbinding from RNase S: A Complete Experimental Description. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5201-5207.	2.1	12
12	Intrinsic Dynamics of Proteinâ€“Peptide Unbinding. <i>Biochemistry</i> , 2021, 60, 1755-1763.	1.2	4
13	2D Ramanâ€“THz Spectroscopy of Binary CHBr ₃ â€“MeOH Solvent Mixture. <i>Journal of Physical Chemistry B</i> , 2021, 125, 581-586.	1.2	7
14	2D-Raman-THz spectroscopy with single-shot THz detection. <i>Journal of Chemical Physics</i> , 2021, 155, 174201.	1.2	6
15	A stop-flow sample delivery system for transient spectroscopy. <i>Review of Scientific Instruments</i> , 2021, 92, 123001.	0.6	5
16	Real-time observation of ligand-induced allosteric transitions in a PDZ domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26031-26039.	3.3	45
17	A Correction Scheme for Fano Line Shapes in Two-Dimensional Infrared Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6185-6190.	2.1	9
18	Sensing the allosteric force. <i>Nature Communications</i> , 2020, 11, 5841.	5.8	18

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19	A Feynman diagram description of the 2D-Raman-THz response of amorphous ice. <i>Journal of Chemical Physics</i> , 2020, 153, 044502.	1.2	5
20	A closer look into the distance dependence of vibrational energy transfer on surfaces using 2D IR spectroscopy. <i>Journal of Chemical Physics</i> , 2020, 153, 154706.	1.2	8
21	Mechanistic insights into photocatalysis and over two days of stable H ₂ generation in electrocatalysis by a molecular cobalt catalyst immobilized on TiO ₂ . <i>Catalysis Science and Technology</i> , 2020, 10, 2549-2560.	2.1	7
22	Vibrational Couplings in Hydridocarbonyl Complexes: A 2D-IR Perspective. <i>Inorganic Chemistry</i> , 2020, 59, 7721-7726.	1.9	4
23	Shedding Light on the Molecular Surface Assembly at the Nanoscale Level: Dynamics of a Re(I) Carbonyl Photosensitizer with a Coadsorbed Cobalt Tetrapyrrolyl Water Reduction Catalyst on ZrO ₂ . <i>Journal of Physical Chemistry C</i> , 2020, 124, 12502-12511.	1.5	5
24	Nanosecond protein dynamics in a red/green cyanobacteriochrome revealed by transient IR spectroscopy. <i>Journal of Chemical Physics</i> , 2020, 153, 245101.	1.2	19
25	Shot-to-shot 2D IR spectroscopy at 100 kHz using a Yb laser and custom-designed electronics. <i>Optics Express</i> , 2020, 28, 33584.	1.7	34
26	Velocity echoes in water. <i>Journal of Chemical Physics</i> , 2019, 151, .	1.2	2
27	Signatures of Intra- and Intermolecular Vibrational Coupling in Halogenated Liquids Revealed by Two-Dimensional Raman-Terahertz Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4463-4468.	2.1	14
28	Geminate Recombination versus Cage Escape in the Reductive Quenching of a Re(I) Carbonyl Complex on Mesoporous ZrO ₂ . <i>Journal of Physical Chemistry C</i> , 2019, 123, 19952-19961.	1.5	9
29	Impact of nuclear quantum effects on the structural inhomogeneity of liquid water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2458-2463.	3.3	36
30	Photocontrolling Proteinâ€“Peptide Interactions: From Minimal Perturbation to Complete Unbinding. <i>Journal of the American Chemical Society</i> , 2019, 141, 10702-10710.	6.6	33
31	Allostery in Its Many Disguises: From Theory to Applications. <i>Structure</i> , 2019, 27, 566-578.	1.6	285
32	Feynman diagram description of 2D-Raman-THz spectroscopy applied to water. <i>Journal of Chemical Physics</i> , 2019, 150, 044202.	1.2	15
33	Characterization of the Platinumâ€“Hydrogen Bond by Surface-Sensitive Time-Resolved Infrared Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1254-1259.	2.1	38
34	Solvent-Controlled Morphology of Catalytic Monolayers at Solidâ€“Liquid Interfaces. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2259-2267.	1.5	6
35	Editorial: JCP Communicationsâ€“Updating a valued community resource. <i>Journal of Chemical Physics</i> , 2018, 148, 010401.	1.2	0
36	Plasmonic Substrates Do Not Promote Vibrational Energy Transfer at Solidâ€“Liquid Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 49-56.	2.1	11

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37	Azidohomoalanine: A Minimally Invasive, Versatile, and Sensitive Infrared Label in Proteins To Study Ligand Binding. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10118-10125.	1.2	18
38	Aqueous solvation from the water perspective. <i>Journal of Chemical Physics</i> , 2018, 148, 234505.	1.2	14
39	An efficient water force field calibrated against intermolecular THz and Raman spectra. <i>Journal of Chemical Physics</i> , 2018, 148, 244504.	1.2	20
40	A non-equilibrium approach to allosteric communication. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170187.	1.8	48
41	Solvation Layer of Antifreeze Proteins Analyzed with a Markov State Model. <i>Journal of Physical Chemistry B</i> , 2018, 122, 11014-11022.	1.2	4
42	Quantifying Biomolecular Recognition with Site-Specific 2D Infrared Probes. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2280-2284.	2.1	19
43	Perspective: Echoes in 2D-Raman-THz spectroscopy. <i>Journal of Chemical Physics</i> , 2017, 146, 130901.	1.2	32
44	Surface-Sensitive and Surface-Specific Ultrafast Two-Dimensional Vibrational Spectroscopy. <i>Chemical Reviews</i> , 2017, 117, 10623-10664.	23.0	114
45	Ultrafast Vibrational Energy Transfer in Catalytic Monolayers at Solid-Liquid Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2489-2495.	2.1	31
46	Molecule-specific interactions of diatomic adsorbates at metal-liquid interfaces. <i>Structural Dynamics</i> , 2017, 4, 044009.	0.9	10
47	Intramolecular Light-Driven Accumulation of Reduction Equivalents by Proton-Coupled Electron Transfer. <i>Journal of the American Chemical Society</i> , 2017, 139, 5225-5232.	6.6	59
48	Note: Deep UV-pump THz-probe spectroscopy of the excess electron in water. <i>Journal of Chemical Physics</i> , 2017, 146, 246101.	1.2	1
49	2D IR spectroscopy of high-pressure phases of ice. <i>Journal of Chemical Physics</i> , 2017, 147, 144501.	1.2	14
50	A surprisingly simple correlation between the classical and quantum structural networks in liquid water. <i>Journal of Chemical Physics</i> , 2017, 147, 064506.	1.2	7
51	2D-IR Spectroscopy of an AHA Labeled Photoswitchable PDZ2 Domain. <i>Journal of Physical Chemistry A</i> , 2017, 121, 9435-9445.	1.1	18
52	Terahertz echoes reveal the inhomogeneity of aqueous salt solutions. <i>Nature Chemistry</i> , 2017, 9, 273-278.	6.6	99
53	Perspective: THz-driven nuclear dynamics from solids to molecules. <i>Structural Dynamics</i> , 2017, 4, 061601.	0.9	22
54	Nonadiabatic effects in electronic and nuclear dynamics. <i>Structural Dynamics</i> , 2017, 4, 061510.	0.9	31

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55	Charge migration and charge transfer in molecular systems. <i>Structural Dynamics</i> , 2017, 4, 061508.	0.9	146
56	Implications of short time scale dynamics on long time processes. <i>Structural Dynamics</i> , 2017, 4, 061507.	0.9	24
57	Intrinsic phasing of heterodyne-detected multidimensional infrared spectra. <i>Optics Express</i> , 2017, 25, 2928.	1.7	8
58	Light-Driven Electron Accumulation in a Molecular Pentad. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9407-9410.	7.2	63
59	Editorial: The Future of Chemical Physics Conference 2016. <i>Journal of Chemical Physics</i> , 2016, 145, 220401.	1.2	1
60	Markov state model of the two-state behaviour of water. <i>Journal of Chemical Physics</i> , 2016, 145, 134501.	1.2	26
61	Quinones as Reversible Electron Relays in Artificial Photosynthesis. <i>ChemPhysChem</i> , 2016, 17, 1321-1328.	1.0	26
62	Lichtgetriebene Elektronenakkumulation in einer molekularen Pentade. <i>Angewandte Chemie</i> , 2016, 128, 9553-9556.	1.6	18
63	Vibrational ladder-climbing in surface-enhanced, ultrafast infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16088-16093.	1.3	34
64	Surface-Sensitive Spectro-electrochemistry Using Ultrafast 2D ATR IR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2883-2892.	1.5	58
65	Protein Structural Memory Influences Ligand Binding Mode(s) and Unbinding Rates. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 1393-1399.	2.3	6
66	Surface Enhancement in Ultrafast 2D ATR IR Spectroscopy at the Metal-Liquid Interface. <i>Journal of Physical Chemistry C</i> , 2016, 120, 3350-3359.	1.5	57
67	Nonadiabatic vibrational dynamics in the HCO ₂ ⁻ ...H ₂ O complex. <i>Journal of Chemical Physics</i> , 2015, 143, 134308.	1.2	20
68	Surface-enhanced, multi-dimensional attenuated total reflectance spectroscopy. <i>Proceedings of SPIE</i> , 2015, , .	0.8	12
69	pH-Jump Induced Leucine Zipper Folding beyond the Diffusion Limit. <i>Journal of Physical Chemistry B</i> , 2015, 119, 1425-1432.	1.2	35
70	Fast infrared spectroscopy of protein dynamics: advancing sensitivity and selectivity. <i>Current Opinion in Structural Biology</i> , 2015, 34, 1-6.	2.6	40
71	2D attenuated total reflectance infrared spectroscopy reveals ultrafast vibrational dynamics of organic monolayers at metal-liquid interfaces. <i>Journal of Chemical Physics</i> , 2015, 142, 212413.	1.2	30
72	Solvation of fluoro-acetonitrile in water by 2D-IR spectroscopy: A combined experimental-computational study. <i>Journal of Chemical Physics</i> , 2015, 142, 212415.	1.2	13

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73	Mechanism of Photocatalytic Hydrogen Generation by a Polypyridyl-Based Cobalt Catalyst in Aqueous Solution. <i>Inorganic Chemistry</i> , 2015, 54, 646-657.	1.9	117
74	Testing for memory-free spectroscopic coordinates by 3D IR exchange spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10462-10467.	3.3	12
75	The effect of the Gouy phase in optical-pump-THz-probe spectroscopy. <i>Optics Express</i> , 2014, 22, 4256.	1.7	14
76	Effect of viscogens on the kinetic response of a photoperturbed allosteric protein. <i>Journal of Chemical Physics</i> , 2014, 141, 22D514.	1.2	12
77	Communication: Disorder-suppressed vibrational relaxation in vapor-deposited high-density amorphous ice. <i>Journal of Chemical Physics</i> , 2014, 140, .	1.2	14
78	Detectivity enhancement in THz electrooptical sampling. <i>Review of Scientific Instruments</i> , 2014, 85, 013114.	0.6	20
79	Long-Range Conformational Transition of a Photoswitchable Allosteric Protein: Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry B</i> , 2014, 118, 13468-13476.	1.2	26
80	Ultrafast, Multidimensional Attenuated Total Reflectance Spectroscopy of Adsorbates at Metal Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2325-2329.	2.1	42
81	Response of Villin Headpiece-Capped Gold Nanoparticles to Ultrafast Laser Heating. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7954-7962.	1.2	26
82	Direct observation of the collapse of the delocalized excess electron in water. <i>Nature Chemistry</i> , 2014, 6, 697-701.	6.6	72
83	2D-Raman-THz spectroscopy: A sensitive test of polarizable water models. <i>Journal of Chemical Physics</i> , 2014, 141, 184201.	1.2	42
84	Three-dimensional infrared spectroscopy of isotope-diluted ice Ih. <i>Journal of Chemical Physics</i> , 2013, 139, 014501.	1.2	31
85	pH-jump induced α -helix folding of poly-l-glutamic acid. <i>Chemical Physics</i> , 2013, 422, 124-130.	0.9	33
86	Two-dimensional Raman-terahertz spectroscopy of water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20402-20407.	3.3	131
87	Gold Nanoparticle Capping Layers: Structure, Dynamics, and Surface Enhancement Measured Using 2D-IR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 634-638.	7.2	53
88	Two-Dimensional Infrared Spectroscopy of Isotope-Diluted Low Density Amorphous Ice. <i>Journal of Physical Chemistry B</i> , 2013, 117, 15512-15518.	1.2	29
89	A highly stable polypyridyl-based cobalt catalyst for homo- and heterogeneous photocatalytic water reduction. <i>Dalton Transactions</i> , 2013, 42, 334-337.	1.6	98
90	Vibrational conical intersections in the water dimer. <i>Molecular Physics</i> , 2013, 111, 2046-2056.	0.8	22

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91	2D IR spectra of cyanide in water investigated by molecular dynamics simulations. Journal of Chemical Physics, 2013, 139, 054506.	1.2	53
92	Kinetic response of a photoperturbed allosteric protein. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11725-11730.	3.3	93
93	Azide-water intermolecular coupling measured by 2-color 2D IR spectroscopy. EPJ Web of Conferences, 2013, 41, 06005.	0.1	0
94	pH jump induced α -helix folding.. EPJ Web of Conferences, 2013, 41, 07002.	0.1	0
95	Towards a microscopic description of the free-energy landscape of water. Journal of Chemical Physics, 2012, 137, 144504.	1.2	18
96	High sensitivity transient infrared spectroscopy: a UV/Visible transient grating spectrometer with a heterodyne detected infrared probe. Optics Express, 2012, 20, 12761.	1.7	14
97	Two-dimensional-Raman-terahertz spectroscopy of water: Theory. Journal of Chemical Physics, 2012, 136, 094516.	1.2	63
98	Vibrational Conical Intersections as a Mechanism of Ultrafast Vibrational Relaxation. Physical Review Letters, 2012, 109, 173201.	2.9	38
99	Note: Inverted time-ordering in two-dimensional-Raman-terahertz spectroscopy of water. Journal of Chemical Physics, 2012, 136, 236101.	1.2	24
100	Speed Limits for Acid-Base Chemistry in Aqueous Solutions. Chimia, 2012, 66, 182-186.	0.3	12
101	Ultrafast Dynamics of Liquid Water and Ice. Chimia, 2012, 66, 244.	0.3	0
102	Azide-water intermolecular coupling measured by two-color two-dimensional infrared spectroscopy. Journal of Chemical Physics, 2012, 136, 224503.	1.2	17
103	Two-dimensional infrared spectroscopy of neat ice Ih. Physical Chemistry Chemical Physics, 2012, 14, 6250.	1.3	29
104	Ligand Binding Studied by 2D IR Spectroscopy Using the Azidohomoalanine Label. Journal of Physical Chemistry B, 2012, 116, 13705-13712.	1.2	74
105	Temperature Dependence of the Heat Diffusivity of Proteins. Journal of Physical Chemistry A, 2012, 116, 2620-2628.	1.1	27
106	Complexity in Protein Folding: Simulation Meets Experiment. Current Physical Chemistry, 2012, 2, 4-11.	0.1	2
107	Photocontrol of Reversible Amyloid Formation with a Minimal-Design Peptide. Journal of Physical Chemistry B, 2012, 116, 8961-8973.	1.2	19
108	Transition from IVR limited vibrational energy transport to bulk heat transport. Chemical Physics, 2012, 393, 46-50.	0.9	8

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109	Photocatalytic H ₂ Production with a Rhenium/Cobalt System in Water under Acidic Conditions. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 59-64.	1.0	100
110	pH-Jump Overshooting. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1607-1611.	2.1	18
111	A Consistent Picture of the Proton Release Mechanism of <i>o</i> -NBA in Water by Ultrafast Spectroscopy and Ab Initio Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1075-1083.	1.2	30
112	Two-Dimensional Infrared Spectroscopy of Supercooled Water. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5289-5293.	1.2	70
113	Compact implementation of Fourier transform two-dimensional IR spectroscopy without phase ambiguity. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 171.	0.9	136
114	Photocatalytic H ₂ Production from Water with Rhenium and Cobalt Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 3404-3412.	1.9	150
115	Three-Dimensional Infrared Spectroscopy of Isotope-Substituted Liquid Water Reveals Heterogeneous Dynamics. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6976-6984.	1.2	72
116	Ultrafast Time-Resolved Vibrational Spectroscopy at University of Zurich. <i>Chimia</i> , 2011, 65, 313.	0.3	1
117	Conformational Changes in Cryogenic Matrices. , 2011, , 51-84.		11
118	Two-dimensional infrared spectroscopy of isotope-diluted ice Ih. <i>Journal of Chemical Physics</i> , 2011, 134, 204505.	1.2	47
119	The OH stretch vibration of liquid water reveals hydrogen-bond clusters. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11263.	1.3	6
120	2D-IR Study of a Photoswitchable Isotope-Labeled Î±-Helix. <i>Journal of Physical Chemistry B</i> , 2010, 114, 3735-3740.	1.2	43
121	Vibrational Energy Transport through a Capping Layer of Appropriately Designed Peptide Helices over Gold Nanoparticles. <i>Nano Letters</i> , 2010, 10, 3057-3061.	4.5	32
122	Structural Inhomogeneity of Water by Complex Network Analysis. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15598-15604.	1.2	37
123	Enhancing signal detection and completely eliminating scattering using quasi-phase-cycling in 2D IR experiments. <i>Optics Express</i> , 2010, 18, 27067.	1.7	72
124	A Highly Stable Rhenium-Cobalt System for Photocatalytic H ₂ Production: Unraveling the Performance-Limiting Steps. <i>Inorganic Chemistry</i> , 2010, 49, 6453-6460.	1.9	200
125	A Peptide Capping Layer over Gold Nanoparticle. , 2010, , .		0
126	Vibrational Energy Transport in Peptides and Proteins. , 2010, , .		0

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127	Sensitizer exchange dynamics in air and solvent filled semiconductor nanocavities. , 2010, , .		0
128	Purely absorptive three-dimensional infrared spectroscopy. Journal of Chemical Physics, 2009, 130, 164510.	1.2	70
129	Vibrational energy transport in the presence of intrasite vibrational energy redistribution. Journal of Chemical Physics, 2009, 131, 044511.	1.2	28
130	Time and Frequency Resolved Hydrogen Dynamics in deuterated LiBH ₄ . Materials Research Society Symposia Proceedings, 2009, 1216, 1.	0.1	0
131	For Structural Biology, Try Infrared Instead. Structure, 2009, 17, 149-150.	1.6	12
132	Femtosecond IR Pump-Probe Spectroscopy of Nonlinear Energy Localization in Protein Models and Model Proteins. Journal of Biological Physics, 2009, 35, 17-30.	0.7	33
133	What Can We Learn from Three-Dimensional Infrared Spectroscopy?. Accounts of Chemical Research, 2009, 42, 1412-1422.	7.6	63
134	Site-Specific Difference 2D-IR Spectroscopy of Bacteriorhodopsin. Journal of Physical Chemistry B, 2009, 113, 6520-6527.	1.2	28
135	Bulky Side Chains and Non-native Salt Bridges Slow down the Folding of a Cross-Linked Helical Peptide: A Combined Molecular Dynamics and Time-Resolved Infrared Spectroscopy Study. Journal of Physical Chemistry B, 2009, 113, 4435-4442.	1.2	15
136	An Efficient Homogeneous Intermolecular Rhenium-Based Photocatalytic System for the Production of H ₂ . Inorganic Chemistry, 2009, 48, 1836-1843.	1.9	159
137	Coherent Multidimensional Optical Spectroscopy. Accounts of Chemical Research, 2009, 42, 1207-1209.	7.6	81
138	Vibrational Energy Transport in Peptide Helices after Excitation of C ¹³ D Modes in Leu- <i>d</i> ₁₀ . Journal of Physical Chemistry B, 2009, 113, 13393-13397.	1.2	50
139	Vibrational Dynamics of LiBH ₄ by Infrared Pump-Probe and 2D Spectroscopy. Journal of Physical Chemistry A, 2009, 113, 12838-12846.	1.1	33
140	Dynamical Transition in a Small Helical Peptide and Its Implication for Vibrational Energy Transport. Journal of Physical Chemistry B, 2009, 113, 13405-13409.	1.2	46
141	How do vibrations change their composition upon electronic excitation? â€“ EXSY-T2D-IR measurements challenge DFT calculations.. Springer Series in Chemical Physics, 2009, , 421-423.	0.2	0
142	Difference 2D-IR spectroscopy on the chromophore in bacteriorhodopsin. Springer Series in Chemical Physics, 2009, , 427-429.	0.2	0
143	The infrared-driven cisâ€“trans isomerization of nitrous acid HONO III: A mixed quantumâ€“classical simulation. Chemical Physics, 2008, 347, 503-513.	0.9	11
144	Structural Flexibility of a Helical Peptide Regulates Vibrational Energy Transport Properties. Journal of Physical Chemistry B, 2008, 112, 15487-15492.	1.2	53

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145	2D-IR Spectroscopy of the Sulfhydryl Band of Cysteines in the Hydrophobic Core of Proteins. Journal of Physical Chemistry B, 2008, 112, 7645-7650.	1.2	54
146	Phasing problem of heterodyne-detected two-dimensional infrared spectroscopy. Optics Letters, 2008, 33, 2665.	1.7	47
147	Synthesis, characterization and applicability of three isotope labeled azobenzene photoswitches. Organic and Biomolecular Chemistry, 2008, 6, 3508.	1.5	13
148	Temperature dependence of the IR driven cis-trans isomerization of nitrous acid (HONO). Journal of Chemical Physics, 2008, 129, 114510.	1.2	9
149	Energy Transport in Peptide Helices: A Comparison between High- and Low-Energy Excitations. Journal of Physical Chemistry B, 2008, 112, 9091-9099.	1.2	92
150	Transient 2D-IR Spectroscopy of Thiopeptide Isomerization. Journal of Physical Chemistry B, 2008, 112, 8398-8405.	1.2	24
151	Two-Dimensional Infrared Spectroscopy of Photoswitchable Peptides. Annual Review of Physical Chemistry, 2008, 59, 291-317.	4.8	164
152	Intramolecular vibrational energy relaxation in nitrous acid (HONO). Journal of Chemical Physics, 2008, 129, 164506.	1.2	17
153	Rotational dynamics of nitrous acid (HONO) in Kr matrix. Journal of Chemical Physics, 2008, 129, 044507.	1.2	7
154	$\hat{\alpha}$ -Helix folding in the presence of structural constraints. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9588-9593.	3.3	116
155	Three-point frequency fluctuation correlation functions of the OH stretch in liquid water. Journal of Chemical Physics, 2008, 128, 104507.	1.2	35
156	Barrier crossing to the small Holstein polaron regime. Physical Review B, 2008, 78, .	1.1	11
157	Folding and unfolding of a photoswitchable peptide from picoseconds to microseconds. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5383-5388.	3.3	85
158	Vibrational dynamics of hydrogen bonds. , 2007, , 619-687.		26
159	Energy transport in peptide helices. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12749-12754.	3.3	179
160	Protein ligand migration mapped by nonequilibrium 2D-IR exchange spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14243-14248.	3.3	91
161	Coherence and control of molecular dynamics in rare gas matrices. , 2007, , 257-385.		7
162	Intramolecular Disulfide Bridges as a Phototrigger To Monitor the Dynamics of Small Cyclic Peptides. Journal of Physical Chemistry B, 2007, 111, 11297-11302.	1.2	42

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163	Transient 2D-IR Spectroscopy: Towards a Molecular Movie. <i>Chimia</i> , 2007, 61, 45-46.	0.3	7
164	Ultrafast 2D-IR Spectroscopy of Transient Species. <i>ChemPhysChem</i> , 2007, 8, 1747-1756.	1.0	107
165	Semiclassical and quantum polarons in crystalline acetanilide. <i>European Physical Journal: Special Topics</i> , 2007, 147, 303-331.	1.2	19
166	Towards a Molecular Movie: Real Time Observation of Hydrogen Bond Breaking by Transient 2D-IR Spectroscopy in a Cyclic Peptide. <i>Springer Series in Chemical Physics</i> , 2007, , 424-426.	0.2	0
167	Time-Resolved IR Spectroscopy of N-Methylthioacetamide: Trans \rightarrow Cis Isomerization upon $n\pi^*$ and $\pi\pi^*$ Excitation and Cis \rightarrow Trans Photoreaction. <i>Journal of Physical Chemistry A</i> , 2006, 110, 11473-11478.	1.1	8
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