

# Shaul Mukamel

## 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.

710  
papers

30,633  
citations

89  
h-index

139  
g-index

744  
ext. papers

32,979  
ext. citations

5.8  
avg, IF

7.52  
L-index

#	Paper	IF	Citations
710	Photon Correlation Signals in Coupled-Cavity Polaritons Created by Entangled Light. <i>ACS Photonics</i> , <b>2022</b> , 9, 938-943	6.1	
709	Electronic coherences in nonadiabatic molecular photophysics revealed by time-resolved photoelectron spectroscopy.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2121383119	11.1	
708	Transient measurement of phononic states with covariance-based stochastic spectroscopy.. <i>Light: Science and Applications</i> , <b>2022</b> , 11, 44	16.2	
707	Nonlinear quantum interferometric spectroscopy with entangled photon pairs.. <i>Journal of Chemical Physics</i> , <b>2022</b> , 156, 094202	3.8	
706	Entangled two-photon absorption with Brownian-oscillator fluctuations.. <i>Journal of Chemical Physics</i> , <b>2022</b> , 156, 074303	3.8	0
705	Femtosecond X-ray Spectroscopy Directly Quantifies Transient Excited-State Mixed Valency.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 378-386	6.3	0
704	Polariton ring currents and circular dichroism of Mg-porphyrin in a chiral cavity.. <i>Chemical Science</i> , <b>2022</b> , 13, 1037-1048	9.1	0
703	Machine learning recognition of protein secondary structures based on two-dimensional spectroscopic descriptors.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2202713119	11.1	0
702	Probing Delocalized Current Densities in Selenophene by Resonant X-ray Sum-Frequency Generation. <i>Journal of Chemical Theory and Computation</i> , <b>2021</b> , 17, 367-375	6.2	1
701	Signatures of electronic and nuclear coherences in ultrafast molecular x-ray and electron diffraction. <i>Structural Dynamics</i> , <b>2021</b> , 8, 014101	3.1	3
700	Monitoring molecular vibronic coherences in a bichromophoric molecule by ultrafast X-ray spectroscopy. <i>Chemical Science</i> , <b>2021</b> , 12, 5286-5294	9.1	4
699	An Ab Initio Multiple Cloning Method for Non-Adiabatic Excited-State Molecular Dynamics in NWChem. <i>Journal of Chemical Theory and Computation</i> , <b>2021</b> , 17, 3629-3643	6.2	2
698	Heisenberg uncertainty of spatially gated electromagnetic fields. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 174110	3.8	
697	Nonadiabatic Molecular Dynamics Study of the Relaxation Pathways of Photoexcited Cyclooctatetraene. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 5716-5722	6.3	0
696	A Machine-Learning Protocol for Ultraviolet Protein-Backbone Absorption Spectroscopy under Environmental Fluctuations. <i>Journal of Physical Chemistry B</i> , <b>2021</b> , 125, 6171-6178	3.3	5
695	Resonant Stimulated X-ray Raman Spectroscopy of Mixed-Valence Manganese Complexes. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 5925-5931	6.3	2
694	Investigations of Molecular Optical Properties Using Quantum Light and Hong-Ou-Mandel Interferometry. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 9070-9081	16	2

693	Interferometric spectroscopy with quantum light: Revealing out-of-time-ordering correlators. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 210901	3.8	2
692	Carrier-Envelope-Phase Modulated Currents in Scanning Tunneling Microscopy. <i>Nano Letters</i> , <b>2021</b> , 21, 6569-6575	11.3	1
691	Vibrational Hyper-Raman Molecular Spectroscopy with Entangled Photons. <i>ACS Photonics</i> , <b>2021</b> , 8, 2722-2727	17.2	2
690	Diffractive Imaging of Conical Intersections Amplified by Resonant Infrared Fields. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 13806-13815	16	2
689	Multidimensional four-wave mixing signals detected by quantum squeezed light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.1	1
688	Distinguishability and "which pathway" information in multidimensional interferometric spectroscopy with a single entangled photon-pair. <i>Science Advances</i> , <b>2021</b> , 7, eabj4566	13.9	1
687	Excited-State Energy Surfaces in Molecules Revealed by Impulsive Stimulated Raman Excitation Profiles. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 9239-9247	6.3	2
686	High Temporal and Spectral Resolution of Stimulated X-Ray Raman Signals with Stochastic Free-Electron-Laser Pulses. <i>Physical Review X</i> , <b>2021</b> , 11,	9	3
685	iSPECTRON: A simulation interface for linear and nonlinear spectra with ab-initio quantum chemistry software. <i>Journal of Computational Chemistry</i> , <b>2021</b> , 42, 644-659	3.4	3
684	Optical-Cavity Manipulation of Conical Intersections and Singlet Fission in Pentacene Dimers. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 2052-2056	6.3	12
683	Manipulating Core Excitations in Molecules by X-Ray Cavities. <i>Physical Review Letters</i> , <b>2021</b> , 126, 053201	7.3	3
682	Direct observation of coherent femtosecond solvent reorganization coupled to intramolecular electron transfer. <i>Nature Chemistry</i> , <b>2021</b> , 13, 343-349	17.2	17
681	Enhancing Circular Dichroism Signals with Vector Beams. <i>Physical Review Letters</i> , <b>2021</b> , 126, 123001	7.3	2
680	Detection of photon statistics and multimode field correlations by Raman processes. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 104116	3.8	0
679	Hong-Ou-Mandel interferometry and spectroscopy using entangled photons. <i>Communications Physics</i> , <b>2021</b> , 4,	5.3	6
678	Selective Enhancement of Spectroscopic Features by Quantum Optimal Control. <i>Physical Review Letters</i> , <b>2021</b> , 126, 163202	7.3	4
677	Modulating Charge Separation and Intersystem Crossing in Donor-Switch-Acceptor Systems: A Computational Study. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 3088-3094	2.7	2
676	Unveiling the spatial distribution of molecular coherences at conical intersections by covariance X-ray diffraction signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.1	5

675	Conical Intersection Passages of Molecules Probed by X-ray Diffraction and Stimulated Raman Spectroscopy.. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 12300-12309	6.3	0
674	Wave Packet Control and Simulation Protocol for Entangled Two-Photon Absorption of Molecules.. <i>Journal of Chemical Theory and Computation</i> , <b>2021</b> ,	6.2	1
673	Time-dependent simulation of photocurrent-detected two-dimensional spectroscopy of open systems. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 194113	3.8	1
672	Imaging conical intersection dynamics during azobenzene photoisomerization by ultrafast X-ray diffraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.1	13
671	Manipulating valence and core electronic excitations of a transition-metal complex using UV/Vis and X-ray cavities. <i>Chemical Science</i> , <b>2021</b> , 12, 8088-8095	9.1	2
670	Ultrafast Valence-Electron Dynamics in Oxazole Monitored by X-ray Diffraction Following a Stimulated X-ray Raman Excitation. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 9800-9806	6.3	2
669	In Silico Ultrafast Nonlinear Spectroscopy Meets Experiments: The Case of Perylene Bisimide Dye. <i>Journal of Chemical Theory and Computation</i> , <b>2021</b> , 17, 7134-7145	6.2	1
668	Stimulated X-ray Raman Imaging of Conical Intersections. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 33-39	6.3	5
667	Monitoring aromatic ring-currents in Mg-porphyrin by time-resolved circular dichroism. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 26605-26613	3.5	2
666	Chiral Four-Wave Mixing Signals with Circularly Polarized X-ray Pulses. <i>Journal of Chemical Theory and Computation</i> , <b>2020</b> , 16, 5784-5791	6.2	0
665	A Machine Learning Protocol for Predicting Protein Infrared Spectra. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 19071-19077	16	16
664	Manipulating Two-Photon-Absorption of Cavity Polaritons by Entangled Light. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 8177-8182	6.3	14
663	Visualizing conical intersection passages via vibronic coherence maps generated by stimulated ultrafast X-ray Raman signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 24069-24075	11.1	14
662	First Principles Nonadiabatic Excited-State Molecular Dynamics in NWChem. <i>Journal of Chemical Theory and Computation</i> , <b>2020</b> , 16, 6418-6427	6.2	4
661	Stimulated X-ray Resonant Raman Spectroscopy of Conical Intersections in Thiophenol. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 4292-4297	6.3	6
660	Interferometric two-photon-absorption spectroscopy with three entangled photons. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 174003	3.3	5
659	Cooperative Conical Intersection Dynamics of Two Pyrazine Molecules in an Optical Cavity. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 5555-5562	6.3	17
658	The Photoionization Time in $\pi$ Conjugated Molecular Systems. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 5770-5774	2.7	1

657	Multidimensional four-wave-mixing spectroscopy with squeezed light. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 244001	3.3	5
656	Molecular Structure and Modeling of Water-Air and Ice-Air Interfaces Monitored by Sum-Frequency Generation. <i>Chemical Reviews</i> , <b>2020</b> , 120, 3633-3667	66.4	34
655	Aggregation-Induced Intersystem Crossing: Rational Design for Phosphorescence Manipulation. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 2238-2244	3.3	13
654	Two-Dimensional Impulsively Stimulated Resonant Raman Spectroscopy of Molecular Excited States. <i>Physical Review X</i> , <b>2020</b> , 10,	9	7
653	Energy, Particle, and Photon Fluxes in Molecular Junctions. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 1762-1766	6.3	1
652	Roadmap on quantum light spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2020</b> , 53, 072002	1.3	46
651	Resonant X-ray Sum-Frequency-Generation Spectroscopy of K-Edges in Acetyl Fluoride. <i>Journal of Chemical Theory and Computation</i> , <b>2019</b> , 15, 6832-6839	6.2	3
650	Signatures of Through-Space Charge Transfer in Two-Photon Absorption of Paracyclophane Derivatives. <i>Bulletin of the Korean Chemical Society</i> , <b>2019</b> , 40, 1076-1086	1.2	1
649	Direct imaging of ultrafast electron dynamics by X-ray sum frequency generation. <i>EPJ Web of Conferences</i> , <b>2019</b> , 205, 03004	0.3	
648	Monitoring nonadiabatic dynamics in molecules by ultrafast X-Ray diffraction. <i>EPJ Web of Conferences</i> , <b>2019</b> , 205, 09032	0.3	
647	STM Imaging of Electron Migration in Real Space and Time: A Simulation Study. <i>Nano Letters</i> , <b>2019</b> , 19, 7006-7012	11.3	6
646	Machine Learning Protocol for Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 6026-6031	6.3	21
645	Stimulated X-ray Raman and Absorption Spectroscopy of Iron-Sulfur Dimers. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 6664-6671	6.3	7
644	Frequency-, Time-, and Wavevector-Resolved Ultrafast Incoherent Diffraction of Noisy X-ray Pulses. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 5805-5814	6.3	5
643	X-ray linear and non-linear spectroscopy of the ESCA molecule. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 114110	3.8	10
642	Genuine Dynamics vs Cross Phase Modulation Artifacts in Femtosecond Stimulated Raman Spectroscopy. <i>ACS Photonics</i> , <b>2019</b> , 6, 492-500	6.1	20
641	X-ray Raman optical activity of chiral molecules. <i>Chemical Science</i> , <b>2019</b> , 10, 898-908	9.1	12
640	Monitoring Spontaneous Charge-Density Fluctuations by Single-Molecule Diffraction of Quantum Light. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 768-773	6.3	4

639	Probing Molecular Chirality by Orbital-Angular-Momentum-Carrying X-ray Pulses. <i>Journal of Chemical Theory and Computation</i> , <b>2019</b> , 15, 4180-4186	6.2	7
638	A neural network protocol for electronic excitations of -methylacetamide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 11612-11617	11.1	30
637	Quantum phase-sensitive diffraction and imaging using entangled photons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 11673-11678	11.1	10
636	Pyrene, a Test Case for Deep-Ultraviolet Molecular Photophysics. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 3481-3487	6.3	21
635	Femtosecond covariance spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 5383-5386	11.1	12
634	Time and frequency resolved transient-absorption and stimulated-Raman signals of stochastic light. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 044113	3.8	3
633	Polariton-Assisted Cooperativity of Molecules in Microcavities Monitored by Two-Dimensional Infrared Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 4448-4454	6.3	12
632	Transient X-ray Absorption Spectral Fingerprints of the S Dark State in Uracil. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 7172-7178	6.3	11
631	Imaging of transition charge densities involving carbon core excitations by all X-ray sum-frequency generation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2019</b> , 377, 20170470	2.9	3
630	Flux-Conserving Diagrammatic Formulation of Optical Spectroscopy of Open Quantum Systems. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 29015-29023	3.7	5
629	Modeling the Ultrafast Response of Two-Magnon Raman Excitations in Antiferromagnets on the Femtosecond Timescale. <i>Annalen Der Physik</i> , <b>2019</b> , 531, 1900439	2.4	6
628	Scattering-Based Geometric Shaping of Photon-Photon Interactions. <i>Physical Review Letters</i> , <b>2019</b> , 123, 260502	7.3	3
627	Two-dimensional UV spectroscopy: a new insight into the structure and dynamics of biomolecules. <i>Chemical Science</i> , <b>2019</b> , 10, 9907-9921	9.1	22
626	Imaging electron-density fluctuations by multidimensional X-ray photon-coincidence diffraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 395-400	11.1	3
625	Towards Accurate Simulation of Two-Dimensional Electronic Spectroscopy. <i>Topics in Current Chemistry Collections</i> , <b>2019</b> , 63-112	0.8	3
624	Manipulating nonadiabatic conical intersection dynamics by optical cavities. <i>Chemical Science</i> , <b>2019</b> , 11, 1290-1298	9.1	29
623	Exploring the capabilities of optical pump X-ray probe NEXAFS spectroscopy to track photo-induced dynamics mediated by conical intersections. <i>Faraday Discussions</i> , <b>2019</b> , 221, 245-264	3.4	11
622	Phase Cycling RT-TDDFT Simulation Protocol for Nonlinear XUV and X-ray Molecular Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 1072-1078	6.3	8



621	Monitoring polariton dynamics in the LHCII photosynthetic antenna in a microcavity by two-photon coincidence counting. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 074302	3.8	14
620	The highly excited-state manifold of guanine: calibration for nonlinear electronic spectroscopy simulations. <i>Theoretical Chemistry Accounts</i> , <b>2018</b> , 137, 1	1.9	10
619	UV-Light-Induced Vibrational Coherences: The Key to Understand Kasha Rule Violation in trans-Azobenzene. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 1534-1541	6.3	71
618	Comprehensive Experimental and Computational Spectroscopic Study of Hexacyanoferrate Complexes in Water: From Infrared to X-ray Wavelengths. <i>Journal of Physical Chemistry B</i> , <b>2018</b> , 122, 5075-5086	3.3	26
617	Multidimensional photon correlation spectroscopy of cavity polaritons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 1451-1456	11.1	17
616	Roadmap of ultrafast x-ray atomic and molecular physics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2018</b> , 51, 032003	1.3	138
615	Translational and rotational averaging of nonlocal response tensors for nano-shaped light. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2018</b> , 51, 034004	1.3	2
614	Two-dimensional electronic spectroscopy as a tool for tracking molecular conformations in DNA/RNA aggregates. <i>Faraday Discussions</i> , <b>2018</b> , 207, 233-250	3.4	10
613	Reply to Stirnemann et al.: Frame retardation is the key reason behind the general slowdown of water reorientation dynamics in concentrated electrolytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E4955-E4956	11.1	1
612	Monitoring Ultrafast Spin Crossover Intermediates in an Iron(II) Complex by Broad Band Stimulated X-ray Raman Spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 6524-6531	2.7	4
611	Electrical Double Layer Probed by Surface-Specific Vibrational Technique. <i>Chem</i> , <b>2018</b> , 4, 1484-1485	15.8	5
610	Towards Accurate Simulation of Two-Dimensional Electronic Spectroscopy. <i>Topics in Current Chemistry</i> , <b>2018</b> , 376, 24	7	16
609	Diffraction-Detected Sum Frequency Generation: Novel Ultrafast X-ray Probe of Molecular Dynamics. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 3392-3396	6.3	7
608	Monitoring molecular nonadiabatic dynamics with femtosecond X-ray diffraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 6538-6547	11.1	37
607	X-Ray Sum Frequency Diffraction for Direct Imaging of Ultrafast Electron Dynamics. <i>Physical Review Letters</i> , <b>2018</b> , 120, 243902	7.3	17
606	Attosecond X-ray Diffraction Triggered by Core or Valence Ionization of a Dipeptide. <i>Journal of Chemical Theory and Computation</i> , <b>2018</b> , 14, 329-338	6.2	13
605	Impulsive UV-pump/X-ray probe study of vibrational dynamics in glycine. <i>Scientific Reports</i> , <b>2018</b> , 8, 154667	4.7	4
604	Multiscale wavelet decomposition of time-resolved X-ray diffraction signals in cyclohexadiene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 10269-10274	11.1	2

603	Entangled Two-Photon Absorption Spectroscopy. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 2207-2214	23.6	50
602	Molecular mechanism of water reorientational slowing down in concentrated ionic solutions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 10023-10028	11.1	27
601	Comment on "Self-Referenced Coherent Diffraction X-Ray Movie of Ångstrom- and Femtosecond-Scale Atomic Motion". <i>Physical Review Letters</i> , <b>2017</b> , 119, 069301	7.3	11
600	Hybrid femtosecond/picosecond pure-rotational coherent anti-Stokes Raman scattering with chirped probe pulses. <i>Journal of Raman Spectroscopy</i> , <b>2017</b> , 48, 1881-1886	2.3	11
599	X-ray circular dichroism signals: a unique probe of local molecular chirality. <i>Chemical Science</i> , <b>2017</b> , 8, 5969-5978	9.1	15
598	Utilizing Microcavities To Suppress Third-Order Cascades in Fifth-Order Raman Spectra. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 3387-3391	6.3	6
597	Linear and nonlinear frequency- and time-domain spectroscopy with multiple frequency combs. <i>Journal of Chemical Physics</i> , <b>2017</b> , 147, 094304	3.8	9
596	Manipulating Impulsive Stimulated Raman Spectroscopy with a Chirped Probe Pulse. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 966-974	6.3	20
595	A Quantum Chemical Interpretation of Two-Dimensional Electronic Spectroscopy of Light-Harvesting Complexes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 7558-7567	16	54
594	Monitoring nonadiabatic avoided crossing dynamics in molecules by ultrafast X-ray diffraction. <i>Structural Dynamics</i> , <b>2017</b> , 4, 054101	3.1	37
593	Fluorescence spectroscopy of vibronic polaritons of molecular aggregates in optical microcavities. <i>Chemical Physics Letters</i> , <b>2017</b> , 683, 653-657	2.4	5
592	On the Simulation of Two-dimensional Electronic Spectroscopy of Indole-containing Peptides. <i>Photochemistry and Photobiology</i> , <b>2017</b> , 93, 1368-1380	3.5	8
591	Using coherence to enhance function in chemical and biophysical systems. <i>Nature</i> , <b>2017</b> , 543, 647-656	47.5	356
590	Photoinduced molecular chirality probed by ultrafast resonant X-ray spectroscopy. <i>Structural Dynamics</i> , <b>2017</b> , 4, 044006	3.1	12
589	Manipulating molecules with quantum light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 3278-3280	11.1	32
588	Simulating Coherent Multidimensional Spectroscopy of Nonadiabatic Molecular Processes: From the Infrared to the X-ray Regime. <i>Chemical Reviews</i> , <b>2017</b> , 117, 12165-12226	66.4	76
587	Discriminating cascading processes in nonlinear optics: A QED analysis based on their molecular and geometric origin. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	3
586	Pump-probe spectroscopy using quantum light with two-photon coincidence detection. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	20



585	Monitoring Nonadiabatic Electron-Nuclear Dynamics in Molecules by Attosecond Streaking of Photoelectrons. <i>Physical Review Letters</i> , <b>2016</b> , 117, 043201	7.3	22
584	Novel photochemistry of molecular polaritons in optical cavities. <i>Faraday Discussions</i> , <b>2016</b> , 194, 259-282	3.4	62
583	Tunable photonic cavity coupled to a voltage-biased double quantum dot system: Diagrammatic nonequilibrium Green's function approach. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	14
582	Giant photon gain in large-scale quantum dot-circuit QED systems. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	11
581	Time-and-frequency-gated photon coincidence counting; a novel multidimensional spectroscopy tool. <i>Physica Scripta</i> , <b>2016</b> , 91, 083004	2.5	8
580	Multidimensional resonant nonlinear spectroscopy with coherent broadband x-ray pulses. <i>Physica Scripta</i> , <b>2016</b> , T169, 014002	2.5	26
579	Communication: The origin of many-particle signals in nonlinear optical spectroscopy of non-interacting particles. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 041102	3.8	17
578	Multiple Decay Mechanisms and 2D-UV Spectroscopic Fingerprints of Singlet Excited Solvated Adenine-Uracil Monophosphate. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 7497-507	4.6	25
577	Current vs Charge Density Contributions to Nonlinear X-ray Spectroscopy. <i>Journal of Chemical Theory and Computation</i> , <b>2016</b> , 12, 3959-68	6.2	4
576	Nonadiabatic Dynamics May Be Probed through Electronic Coherence in Time-Resolved Photoelectron Spectroscopy. <i>Journal of Chemical Theory and Computation</i> , <b>2016</b> , 12, 740-52	6.2	15
575	Non-adiabatic dynamics of molecules in optical cavities. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 054309	3.8	84
574	Nonlinear optical signals and spectroscopy with quantum light. <i>Reviews of Modern Physics</i> , <b>2016</b> , 88,	39.7	146
573	Monitoring conical intersections in the ring opening of furan by attosecond stimulated X-ray Raman spectroscopy. <i>Structural Dynamics</i> , <b>2016</b> , 3, 023601	3.1	29
572	Two-dimensional infrared spectroscopy of vibrational polaritons of molecules in an optical cavity. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 124115	3.8	37
571	Cavity Femtochemistry: Manipulating Nonadiabatic Dynamics at Avoided Crossings. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 2050-4	6.3	109
570	Wigner-Lindblad Equations for Quantum Friction. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 1632-7	6.3	12
569	Spectroscopic fingerprints of DNA/RNA pyrimidine nucleobases in third-order nonlinear electronic spectra. <i>Theoretical Chemistry Accounts</i> , <b>2016</b> , 135, 1	1.9	24
568	Study of double core hole excitations in molecules by X-ray double-quantum-coherence signals: a multi-configuration simulation. <i>Chemical Science</i> , <b>2016</b> , 7, 5922-5933	9.1	12

567	Coherent control of long-range photoinduced electron transfer by stimulated X-ray Raman processes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 10001-6	11.1	7
566	Non-local real-space analysis of chiral optical signals. <i>Chemical Science</i> , <b>2016</b> , 7, 6824-6831	9.1	5
565	Nonlinear Spectroscopy of Core and Valence Excitations Using Short X-Ray Pulses: Simulation Challenges. <i>Topics in Current Chemistry</i> , <b>2016</b> , 368, 273-345		19
564	Electroluminescence in Molecular Junctions: A Diagrammatic Approach. <i>Journal of Chemical Theory and Computation</i> , <b>2015</b> , 11, 4304-15	6.2	11
563	Photon-exchange induces optical nonlinearities in harmonic systems. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2015</b> , 48, 065401	1.3	4
562	Characterizing the Intermediates Compound I and II in the Cytochrome P450 Catalytic Cycle with Nonlinear X-ray Spectroscopy: A Simulation Study. <i>ChemPhysChem</i> , <b>2015</b> , 16, 2006-14	3.1	5
561	Energy flow between spectral components in 2D broadband stimulated Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 10454-61	3.5	21
560	Minimal Model of Quantum Kinetic Clusters for the Energy-Transfer Network of a Light-Harvesting Protein Complex. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 1240-5	6.3	13
559	On the origin of oscillations in two-dimensional spectra of excitonically-coupled molecular systems. <i>New Journal of Physics</i> , <b>2015</b> , 17, 072002	2.9	25
558	Two-Dimensional Electronic Spectroscopy of Benzene, Phenol, and Their Dimer: An Efficient First-Principles Simulation Protocol. <i>Journal of Chemical Theory and Computation</i> , <b>2015</b> , 11, 3755-71	6.2	21
557	Probing deactivation pathways of DNA nucleobases by two-dimensional electronic spectroscopy: first principles simulations. <i>Faraday Discussions</i> , <b>2015</b> , 177, 345-62	3.4	27
556	A continued fraction resummation form of bath relaxation effect in the spin-boson model. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 084103	3.8	15
555	Response to "Comment on 'Frequency-domain stimulated and spontaneous light emission signals at molecular junctions'" [J. Chem. Phys. 142, 137101 (2015)]. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 137102	3.8	1
554	Coherent (photon) vs incoherent (current) detection of multidimensional optical signals from single molecules in open junctions. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 212445	3.8	11
553	Preface: Special Topic on Multidimensional Spectroscopy. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 212101	3.8	14
552	Multidimensional characterization of stochastic dynamical systems based on multiple perturbations and measurements. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 212430	3.8	5
551	Stochastic Liouville equations for femtosecond stimulated Raman spectroscopy. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 024115	3.8	10
550	Modeling the high-energy electronic state manifold of adenine: Calibration for nonlinear electronic spectroscopy. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 212443	3.8	36

549	Probing electronic and vibrational dynamics in molecules by time-resolved photoelectron, Auger-electron, and X-ray photon scattering spectroscopy. <i>Faraday Discussions</i> , <b>2015</b> , 177, 405-28	3.4	18
548	Simulating Valence-to-Core X-ray Emission Spectroscopy of Transition Metal Complexes with Time-Dependent Density Functional Theory. <i>Journal of Chemical Theory and Computation</i> , <b>2015</b> , 11, 5804-9	6.2	34
547	On the Resolution Limit of Femtosecond Stimulated Raman Spectroscopy: Modelling Fifth-Order Signals with Overlapping Pulses. <i>ChemPhysChem</i> , <b>2015</b> , 16, 3438-43	3.1	23
546	Spectral lineshapes in nonlinear electronic spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 30925-36	3.5	33
545	Two-dimensional near ultraviolet (2DNUV) spectroscopic probe of structural-dependent exciton dynamics in a protein. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 1314-22	3.3	7
544	Nonlinear fluctuations and dissipation in matter revealed by quantum light. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	8
543	Detecting electronic coherence by multidimensional broadband stimulated x-ray Raman signals. <i>Physical Review A</i> , <b>2015</b> , 92,	2.6	16
542	Catching Conical Intersections in the Act: Monitoring Transient Electronic Coherences by Attosecond Stimulated X-Ray Raman Signals. <i>Physical Review Letters</i> , <b>2015</b> , 115, 193003	7.3	83
541	Stimulated Raman signals at conical intersections: Ab initio surface hopping simulation protocol with direct propagation of the nuclear wave function. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 044117	3.8	15
540	Non-linear non-local molecular electrodynamics with nano-optical fields. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 164107	3.8	15
539	Multidimensional spectroscopy with entangled light: loop vs ladder delay scanning protocols. <i>New Journal of Physics</i> , <b>2014</b> , 16,	2.9	13
538	Probing chirality fluctuations in molecules by nonlinear optical spectroscopy. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 234305	3.8	2
537	Three-dimensional attosecond resonant stimulated X-ray Raman spectroscopy of electronic excitations in core-ionized glycine. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 24323-31	3.5	13
536	Nonlinear response theory in chemical kinetics. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 034111	3.8	13
535	Nonlinear spectroscopy of trapped ions. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	12
534	Frequency-domain stimulated and spontaneous light emission signals at molecular junctions. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 074107	3.8	11
533	Time-, frequency-, and wavevector-resolved x-ray diffraction from single molecules. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 204311	3.8	24
532	Multidimensional spectroscopy with a single broadband phase-shaped laser pulse. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 144105	3.8	5

531	Tracking conformational dynamics of polypeptides by nonlinear electronic spectroscopy of aromatic residues: a first-principles simulation study. <i>ChemPhysChem</i> , <b>2014</b> , 15, 3282-90	3.1	21
530	Communication: atomic force detection of single-molecule nonlinear optical vibrational spectroscopy. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 161107	3.8	6
529	Matter correlations induced by coupling to quantum light. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	4
528	Exploring the Protein Folding Dynamics of Beta3s with Two-Dimensional Ultraviolet (2DUV) Spectroscopy. <i>Israel Journal of Chemistry</i> , <b>2014</b> , 54, 1394-1403	3.3	1
527	Multidimensional scattering of attosecond x-ray pulses detected by photon-coincidence. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2014</b> , 47, 124037	1.3	8
526	Bidimensional electronic spectroscopy on indole in gas phase and in water from first principles. <i>Computational and Theoretical Chemistry</i> , <b>2014</b> , 1040-1041, 295-303	2	20
525	Ab initio simulations of two-dimensional electronic spectra: The SOS//QM/MM approach. <i>International Journal of Quantum Chemistry</i> , <b>2014</b> , 114, 85-93	2.1	35
524	Monitoring Long-Range Electron Transfer Pathways in Proteins by Stimulated Attosecond Broadband X-ray Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 3656-3661	6.3	16
523	Understanding Excitation Energy Transfer in Metalloporphyrin Heterodimers with Different Linkers, Bonding Structures and Geometries through Stimulated X-Ray Raman Spectroscopy. <i>Journal of Modern Optics</i> , <b>2014</b> , 61, 558-567	1.1	8
522	Femtosecond stimulated Raman spectroscopy of the cyclobutane thymine dimer repair mechanism: a computational study. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 14801-10	16	28
521	Modelling time-resolved two-dimensional electronic spectroscopy of the primary photoisomerization event in rhodopsin. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 8396-405	3.3	27
520	Signatures of the Protein Folding Pathway in Two-Dimensional Ultraviolet Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 1341-1346	6.3	11
519	Probing the Conical Intersection Dynamics of the RNA Base Uracil by UV-Pump Stimulated-Raman-Probe Signals; Ab Initio Simulations. <i>Journal of Chemical Theory and Computation</i> , <b>2014</b> , 10, 1172-1188	6.2	38
518	Disentangling Peptide Configurations via Two-Dimensional Electronic Spectroscopy: Ab Initio Simulations Beyond the Frenkel Exciton Hamiltonian. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 767-771	6.3	29
517	Stimulated Raman Spectroscopy with Entangled Light: Enhanced Resolution and Pathway Selection. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 2843-2849	6.3	23
516	Cascading and local-field effects in non-linear optics revisited: a quantum-field picture based on exchange of photons. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 044313	3.8	12
515	Two-dimensional x-ray correlation spectroscopy of remote core states. <i>Structural Dynamics</i> , <b>2014</b> , 1, 014101	3.1	7
514	Indistinguishability and correlations of photons generated by quantum emitters undergoing spectral diffusion. <i>Scientific Reports</i> , <b>2014</b> , 4, 3996	4.7	7

513	Optical multidimensional coherent spectroscopy. <i>Physics Today</i> , <b>2013</b> , 66, 44-49	0.9	114
512	Two-dimensional stimulated resonance Raman spectroscopy study of the Trp-cage peptide folding. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 19457-64	3.5	15
511	Comment on "Coherence and uncertainty in nanostructured organic photovoltaics". <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 10563-4	2.7	35
510	Exploring the aggregation propensity of $\beta$ -crystallin protein variants using two-dimensional spectroscopic tools. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 14294-301	3.3	10
509	N-H stretching excitations in adenosine-thymidine base pairs in solution: pair geometries, infrared line shapes, and ultrafast vibrational dynamics. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 594-606	2.7	36
508	Suppression of population transport and control of exciton distributions by entangled photons. <i>Nature Communications</i> , <b>2013</b> , 4, 1782	16.9	58
507	2D optical photon echo spectroscopy of a self-assembled quantum dot. <i>Annalen Der Physik</i> , <b>2013</b> , 525, 31-42	2.4	9
506	Time-resolved broadband Raman spectroscopies: a unified six-wave-mixing representation. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 124113	3.8	46
505	Simulations of the two-dimensional electronic spectroscopy of the photosystem II reaction center. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 34-41	2.7	25
504	Photosynthetic reaction center as a quantum heat engine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 2746-51	11.1	190
503	Time resolved photoelectron spectroscopy of thioflavin T photoisomerization: a simulation study. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 6096-104	2.7	18
502	Multidimensional attosecond resonant X-ray spectroscopy of molecules: lessons from the optical regime. <i>Annual Review of Physical Chemistry</i> , <b>2013</b> , 64, 101-27	15.3	130
501	Broadband infrared and Raman probes of excited-state vibrational molecular dynamics: simulation protocols based on loop diagrams. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 12348-59	3.5	31
500	Optically Excited Entangled States in Organic Molecules Illuminate the Dark. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 2046-52	6.3	55
499	Monitoring Non-Adiabatic Dynamics of the RNA Base Uracil by UV-Pump-IR-Probe Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 1933-1942	6.3	31
498	Monitoring the folding of Trp-cage peptide by two-dimensional infrared (2DIR) spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 4661-9	3.3	21
497	Tracking the mechanism of fibril assembly by simulated two-dimensional ultraviolet spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 342-50	2.7	11
496	Study of the D-crystallin protein using two-dimensional infrared (2DIR) spectroscopy: experiment and simulation. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 15436-43	3.3	10

495	Multiple Core and Vibronic Coupling Effects in Attosecond Stimulated X-Ray Raman Spectroscopy (SXRS). <i>Journal of Chemical Theory and Computation</i> , <b>2013</b> , 9,	6.2	7
494	Multidimensional x-ray spectroscopy of valence and core excitations in cysteine. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 144303	3.8	21
493	Coherent-control of linear signals: frequency-domain analysis. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 164113	3.8	3
492	Photon statistics of intense entangled photon pulses. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2013</b> , 46, 175502	1.3	11
491	Nonlinear spectroscopy of photon-dressed Dirac electrons in a quantum dot. <i>Journal of Modern Optics</i> , <b>2013</b> , 60, 57-63	1.1	
490	Nonlinear light scattering in molecules triggered by an impulsive X-ray Raman process. <i>Physical Review A</i> , <b>2013</b> , 87, 53826	2.6	9
489	Loss and gain signals in broadband stimulated-Raman spectra: Theoretical analysis. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	28
488	Controlling stimulated coherent spectroscopy and microscopy by a position-dependent phase. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	17
487	Two-Dimensional Stimulated Ultraviolet Resonance Raman Spectra of Tyrosine and Tryptophan; A Simulation Study. <i>Journal of Raman Spectroscopy</i> , <b>2013</b> , 44, 544-559	2.3	22
486	Watching energy transfer in metalloporphyrin heterodimers using stimulated X-ray Raman spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 15597-601	11.1	33
485	Two-photon spectroscopy of excitons with entangled photons. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 244110	3.8	18
484	Double-core excitations in formamide can be probed by X-ray double-quantum-coherence spectroscopy. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 144301	3.8	13
483	Multidimensional Measures of Response and Fluctuations in Stochastic Dynamical Systems. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	13
482	N-H stretching modes of adenosine monomer in solution studied by ultrafast nonlinear infrared spectroscopy and ab initio calculations. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 7636-44	2.7	22
481	Probing ring currents in Mg-porphyrins by pump-probe spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 11095-100	2.7	4
480	Coherent manipulation of quadrupole biexcitons in cuprous oxide by 2D femtosecond spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , <b>2012</b> , 249, 435-447	1.3	5
479	Trapping photon-dressed Dirac electrons in a quantum dot studied by coherent two dimensional photon echo spectroscopy. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 194106	3.8	7
478	Resolving the Electron Transfer Kinetics in the Bacterial Reaction Center by Pulse Polarized 2-D Photon Echo Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 1798-805	6.3	10



477	Weak exciton scattering in molecular nanotubes revealed by double-quantum two-dimensional electronic spectroscopy. <i>Physical Review Letters</i> , <b>2012</b> , 108, 067401	7.3	21
476	Core and valence excitations in resonant X-ray spectroscopy using restricted excitation window time-dependent density functional theory. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 194306	3.8	66
475	Two-dimensional stimulated resonance Raman spectroscopy of molecules with broadband x-ray pulses. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 174117	3.8	62
474	Zeeman shift of two-dimensional optical signals of Mg-porphyrin dimers with circularly polarized beams. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 205102	3.8	3
473	Reconstruction of the wave functions of coupled nanoscopic emitters using a coherent optical technique. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	13
472	Two-dimensional double-quantum spectra reveal collective resonances in an atomic vapor. <i>Physical Review Letters</i> , <b>2012</b> , 108, 193201	7.3	70
471	Nonlinear spectroscopy with time- and frequency-gated photon counting: A superoperator diagrammatic approach. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	22
470	Dissecting biexciton wave functions of self-assembled quantum dots by double-quantum-coherence optical spectroscopy. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	8
469	Quantum heat engines: A thermodynamic analysis of power and efficiency. <i>Europhysics Letters</i> , <b>2012</b> , 99, 50005	1.5	38
468	Coherent nonlinear optical studies of elementary processes in biological complexes: diagrammatic techniques based on the wave function versus the density matrix. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2012</b> , 370, 3709-27	2.9	22
467	Manipulation of two-photon-induced fluorescence spectra of chromophore aggregates with entangled photons: A simulation study. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	28
466	Geometry determination of complexes in a molecular liquid mixture using electron-vibration-vibration two-dimensional infrared spectroscopy with a vibrational transition density cube method. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 14023-33	3.5	10
465	Heat fluctuations and coherences in a quantum heat engine. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	45
464	Frequency distribution of the amide-I vibration sorted by residues in amyloid fibrils revealed by 2D-IR measurements and simulations. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 3322-30	3.3	26
463	Entangled Valence Electron-Hole Dynamics Revealed by Stimulated Attosecond X-ray Raman Scattering. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 2326-2331	6.3	22
462	Photon coincidence counting in parametric down-conversion: Interference of field-matter quantum pathways. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	12
461	Time-symmetric quantum mechanics questioned and defended. <i>Physics Today</i> , <b>2011</b> , 64, 9-62	0.9	1
460	Quantum field, interference, and entanglement effects in nonlinear optical spectroscopy. <i>Procedia Chemistry</i> , <b>2011</b> , 3, 132-151		10

459	Direct evidence of quantum transport in photosynthetic light-harvesting complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 20908-12	11.1	172
458	Coherent control protocol for separating energy-transfer pathways in photosynthetic complexes by chiral multidimensional signals. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 4624-9	2.7	9
457	The proton momentum distribution in strongly H-bonded phases of water: a critical test of electrostatic models. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 144502	3.8	12
456	Ultrafast nonlinear spectroscopy with spatially confined fields <b>2011</b> ,		2
455	Collective two-particle resonances induced by photon entanglement. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	17
454	Multidimensional phase-sensitive single-molecule spectroscopy with time-and-frequency-gated fluorescence detection. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	25
453	Background-free nonlinear microspectroscopy with vibrational molecular interferometry. <i>Physical Review Letters</i> , <b>2011</b> , 107, 253902	7.3	12
452	Simulation and visualization of attosecond stimulated x-ray Raman spectroscopy signals in trans-N-methylacetamide at the nitrogen and oxygen K-edges. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 124101	3.8	22
451	Communication: Comment on the effective temporal and spectral resolution of impulsive stimulated Raman signals. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 161101	3.8	54
450	Two-dimensional near-ultraviolet spectroscopy of aromatic residues in amyloid fibrils: a first principles study. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 2394-400	3.5	35
449	Deep UV resonance Raman spectroscopy of $\beta$ -sheet amyloid fibrils: a QM/MM simulation. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 13955-62	3.3	13
448	Probing amyloid fibril growth by two-dimensional near-ultraviolet spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 6321-8	3.3	11
447	Spectral diffusion at the water/lipid interface revealed by two-dimensional fourth-order optical spectroscopy: a classical simulation study. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 3276-9	16	37
446	Vibrational sum-frequency generation spectroscopy at the water/lipid interface: molecular dynamics simulation study. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 6434-42	16	145
445	Ultraviolet spectroscopy of protein backbone transitions in aqueous solution: combined QM and MM simulations. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 8270-7	3.3	50
444	Excitons and disorder in molecular nanotubes: a 2D electronic spectroscopy study and first comparison to a microscopic model. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 8179-89	2.7	44
443	Simulation study of chiral two-dimensional ultraviolet spectroscopy of the protein backbone. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 7769-75	16	31
442	Ultrafast Nonlinear Optical Signals Viewed from the Molecule's Perspective. <i>Advances in Atomic, Molecular and Optical Physics</i> , <b>2010</b> , 223-263	1.6	54

441	Two-photon-coincidence fluorescence spectra of cavity multipolaritons: novel signatures of multiexciton generation. <i>Nano Letters</i> , <b>2010</b> , 10, 4253-9	11.3	3
440	Simulation of two-dimensional ultraviolet spectroscopy of amyloid fibrils. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 12150-6	3.3	18
439	Relaxation processes in systems strongly coupled to a harmonic bath. <i>Journal of Modern Optics</i> , <b>2010</b> , 57, 2004-2008	1.1	1
438	Interplay of slow bath fluctuations and energy transfer in 2D spectroscopy of the FMO light-harvesting complex: benchmarking of simulation protocols. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 108-14	3.5	12
437	Ultrafast double-quantum-coherence spectroscopy of excitons with entangled photons. <i>Physical Review A</i> , <b>2010</b> , 28, 138201-138207	2.6	22
436	Multidimensional attosecond photoelectron spectroscopy with shaped pulses and quantum optical fields. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	15
435	Effective temporal resolution in pump-probe spectroscopy with strongly chirped pulses. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	54
434	Two-dimensional ultraviolet (2DUV) spectroscopic tools for identifying fibrillation propensity of protein residue sequences. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 9666-9	16.1	25
433	Two-quantum many-body coherences in two-dimensional fourier-transform spectra of exciton resonances in semiconductor quantum wells. <i>Physical Review Letters</i> , <b>2010</b> , 104, 117401	7.3	95
432	Discriminating early stage A $\beta$ 42 monomer structures using chirality-induced 2DIR spectroscopy in a simulation study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 15687-92	11.1	33
431	Stimulated coherent anti-Stokes Raman spectroscopy (CARS) resonances originate from double-slit interference of two-photon Stokes pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 4825-9	11.1	27
430	Signatures of carrier multiplication in the frequency resolved fluorescence spectra from polaritons. <i>Journal of Modern Optics</i> , <b>2010</b> , 57, 2009-2019	1.1	2
429	Communications: Signatures of quasiparticle entanglement in multidimensional nonlinear optical spectroscopy of aggregates. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 241105	3.8	27
428	Computational studies on electron and proton transfer in phenol-imidazole-base triads. <i>Journal of Computational Chemistry</i> , <b>2010</b> , 31, 393-402	3.4	4
427	Multidimensional optical spectroscopy of a single molecule in a current-carrying state. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 244106	3.8	12
426	Coherent stimulated x-ray Raman spectroscopy: Attosecond extension of resonant inelastic x-ray Raman scattering. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	31
425	Coherent infrared multidimensional spectra of the OH stretching band in liquid water simulated by direct nonlinear exciton propagation. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 184501	3.8	43
424	Many-body Green's function approach to attosecond nonlinear x-ray spectroscopy. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	1

4 <sup>23</sup>	Nonlinear response of vibrational excitons: simulating the two-dimensional infrared spectrum of liquid water. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 204110	3.8	71
4 <sup>22</sup>	Lindblad equations for strongly coupled populations and coherences in photosynthetic complexes. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 204512	3.8	88
4 <sup>21</sup>	Controlling multidimensional off-resonant-Raman and infrared vibrational spectroscopy by finite pulse band shapes. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 054110	3.8	10
4 <sup>20</sup>	A unified description of sum frequency generation, parametric down conversion and two-photon fluorescence. <i>Molecular Physics</i> , <b>2009</b> , 107, 265-280	1.6	17
4 <sup>19</sup>	Waiting time distributions of electron transfers through quantum dot Aharonov-Bohm interferometers. <i>Europhysics Letters</i> , <b>2009</b> , 85, 57008	1.5	36
4 <sup>18</sup>	Coherent multidimensional vibrational spectroscopy of biomolecules: concepts, simulations, and challenges. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 3750-81	16.1	135
4 <sup>17</sup>	Investigation of electronic coupling in semiconductor double quantum wells using coherent optical two-dimensional Fourier transform spectroscopy. <i>Solid State Communications</i> , <b>2009</b> , 149, 361-366	1.6	18
4 <sup>16</sup>	Tracing exciton dynamics in molecular nanotubes with 2D electronic spectroscopy. <i>Chemical Physics Letters</i> , <b>2009</b> , 469, 130-134	2.4	34
4 <sup>15</sup>	Manipulating stimulated coherent anti-Stokes Raman spectroscopy signals by broad-band and narrow-band pulses. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 194510	3.8	11
4 <sup>14</sup>	Sensitivity of 2D IR spectra to peptide helicity: a concerted experimental and simulation study of an octapeptide. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 12037-49	3.3	38
4 <sup>13</sup>	Two-dimensional electronic double-quantum coherence spectroscopy. <i>Accounts of Chemical Research</i> , <b>2009</b> , 42, 1375-84	23.6	92
4 <sup>12</sup>	Coherent multidimensional optical probes for electron correlations and exciton dynamics: from NMR to X-rays. <i>Accounts of Chemical Research</i> , <b>2009</b> , 42, 553-62	23.6	77
4 <sup>11</sup>	Exciton delocalization and transport in photosystem I of cyanobacteria <i>Synechococcus elongatus</i> : simulation study of coherent two-dimensional optical signals. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 6097-108	3.3	19
4 <sup>10</sup>	Multidimensional pump-probe spectroscopy with entangled twin-photon states. <i>Physical Review A</i> , <b>2009</b> , 79, 63409	2.6	42
4 <sup>09</sup>	Photon entanglement signatures in difference-frequency-generation. <i>Optics Express</i> , <b>2009</b> , 17, 1093-1063.	3.2	6
4 <sup>08</sup>	2D-IR experiments and simulations of the coupling between amide-I and ionizable side chains in proteins: application to the Villin headpiece. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 11260-73	3.3	65
4 <sup>07</sup>	Coherent multidimensional optical spectroscopy of excitons in molecular aggregates; quasiparticle versus supermolecule perspectives. <i>Chemical Reviews</i> , <b>2009</b> , 109, 2350-408	66.4	382
4 <sup>06</sup>	Nonlinear spectroscopy with entangled photons; manipulating quantum pathways of matter. <i>Physical Review A</i> , <b>2009</b> , 79, 33832	2.6	46

405	Nonequilibrium fluctuations, fluctuation theorems, and counting statistics in quantum systems. <i>Reviews of Modern Physics</i> , <b>2009</b> , 81, 1665-1702	39.7	831
404	Superoperator nonequilibrium Green's function theory of many-body systems; applications to charge transfer and transport in open junctions. <i>Physics Reports</i> , <b>2008</b> , 465, 191-222	27.2	75
403	Two-Dimensional Vibrational Lineshapes of Amide III, II, I and A Bands in a Helical Peptide. <i>Journal of Molecular Liquids</i> , <b>2008</b> , 141, 149-154	5.9	24
402	Geometry and Excitation Energy Fluctuations of NMA in Aqueous Solution with CHARMM, AMBER, OPLS, and GROMOS Force Fields: Implications for Protein Ultraviolet Spectra Simulation. <i>Chemical Physics Letters</i> , <b>2008</b> , 452, 78-83	2.4	15
401	Exciton dynamics in a disordered conjugated polymer: Three-pulse photon-echo and transient grating experiments. <i>Chemical Physics</i> , <b>2008</b> , 349, 244-249	2.3	12
400	Unravelling coherent dynamics and energy dissipation in photosynthetic complexes by 2D spectroscopy. <i>Biophysical Journal</i> , <b>2008</b> , 94, 3613-9	0.5	49
399	Chirality-based signatures of local protein environments in two-dimensional optical spectroscopy of two species photosynthetic complexes of green sulfur bacteria: simulation study. <i>Biophysical Journal</i> , <b>2008</b> , 95, 4896-907	0.5	11
398	Two-dimensional infrared spectroscopy as a probe of the solvent electrostatic field for a twelve residue peptide. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 5930-7	3.3	51
397	Stochastic Liouville equations for coherent multidimensional spectroscopy of excitons. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 14212-20	3.3	17
396	Nonlinear optical spectroscopy of single, few, and many molecules; nonequilibrium Green's function QED approach. <i>Physical Review A</i> , <b>2008</b> , 77, 22110	2.6	50
395	Reversible switching among three adsorbate configurations in a single [2.2]paracyclophane-based molecule. <i>Nano Letters</i> , <b>2008</b> , 8, 208-13	11.3	12
394	Probing electron correlations in molecules by two-dimensional coherent optical spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 3509-15	16	24
393	Probing multiple core-hole interactions in the nitrogen K-edge of DNA base pairs by multidimensional attosecond X-ray spectroscopy. A simulation study. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 11449-61	2.7	15
392	Coherent two dimensional infrared spectroscopy of a cyclic decapeptide antamanide. A simulation study of the amide-I and A bands. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 12479-90	3.3	14
391	Single-electron counting spectroscopy: simulation study of porphyrin in a molecular junction. <i>Nano Letters</i> , <b>2008</b> , 8, 1137-41	11.3	19
390	Double-quantum resonances and exciton-scattering in coherent 2D spectroscopy of photosynthetic complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 8525-30	11.1	49
389	Probing interactions between core-electron transitions by ultrafast two-dimensional x-ray coherent correlation spectroscopy. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 184307	3.8	15
388	Isolating excitonic Raman coherence in semiconductors using two-dimensional correlation spectroscopy. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 234711	3.8	46

387	Revealing exciton-exciton couplings in semiconductors using multidimensional four-wave mixing signals. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	25
386	Partially-time-ordered Schwinger-Keldysh loop expansion of coherent nonlinear optical susceptibilities. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	15
385	Double-quantum-coherence attosecond x-ray spectroscopy of spatially separated, spectrally overlapping core-electron transitions. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	25
384	Probing intermolecular couplings in liquid water with two-dimensional infrared photon echo spectroscopy. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 191103	3.8	82
383	Extracting single and two-exciton couplings in photosynthetic complexes by coherent two-dimensional electronic spectra. <i>Chemical Physics</i> , <b>2008</b> , 357, 79-84	2.3	40
382	Multipoint Correlation Functions for Photon Statistics in Single-Molecule Spectroscopy: Stochastic Dynamics in Liouville Space <b>2008</b> , 93-137		
381	Two Dimensional Electronic Correlation Spectroscopy of the npi* and pipi* Protein Backbone Transitions: A Simulation Study. <i>Chemical Physics</i> , <b>2007</b> , 341, 29-36	2.3	27
380	Simulation of two-dimensional infrared spectroscopy of amyloid fibrils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 14233-6	11.1	26
379	Chemical imaging of single 4,7,12,15-tetrakis[2.2]paracyclophane by spatially resolved vibrational spectroscopy. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 244711	3.8	9
378	A coherent nonlinear optical signal induced by electron correlations. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 221105	3.8	38
377	Electrostatic interactions in phospholipid membranes revealed by coherent 2D IR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 15323-7	11.1	27
376	Anomalous lineshapes and aging effects in two-dimensional correlation spectroscopy. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 154107	3.8	8
375	Transport and correlated fluctuations in the nonlinear optical response of excitons. <i>Europhysics Letters</i> , <b>2007</b> , 80, 17005	1.5	40
374	Sum-over-states versus quasiparticle pictures of coherent correlation spectroscopy of excitons in semiconductors: Femtosecond analogs of multidimensional NMR. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	28
373	Coherent ultrafast core-hole correlation spectroscopy: x-ray analogues of multidimensional NMR. <i>Physical Review Letters</i> , <b>2007</b> , 99, 163001	7.3	66
372	Statistics and fluctuation theorem for boson and fermion transport through mesoscopic junctions. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	27
371	Probing valence electronic wave-packet dynamics by all x-ray stimulated Raman spectroscopy: A simulation study. <i>Physical Review A</i> , <b>2007</b> , 76,	2.6	59
370	Two-dimensional optical spectroscopy of excitons in semiconductor quantum wells: Liouville-space pathway analysis. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	46



369	Solvation Effects in Four-Wave Mixing and Spontaneous Raman and Fluorescence Lineshapes of Polyatomic Molecules. <i>Advances in Chemical Physics</i> , <b>2007</b> , 165-230		58
368	Simulation of Nonlinear Electronic Spectroscopy in the Condensed Phase. <i>Advances in Chemical Physics</i> , <b>2007</b> , 435-516		41
367	Reduced Equations of Motion for Molecular Lineshapes and Semiclassical Dynamics in Liouville Space. <i>Advances in Chemical Physics</i> , <b>2007</b> , 579-604		2
366	Lanczos Algorithm for Electron Transfer Rates in Solvents with Complex Spectral Densities. <i>Advances in Chemical Physics</i> , <b>2007</b> , 515-551		1
365	Vibrational-exciton couplings for the amide I, II, III, and A modes of peptides. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 11032-46	3-3	73
364	Conductance Bistability in a Single Porphyrin Molecule in a STM Junction: A Many-Body Simulation Study. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 9516-9521	3-7	9
363	Simulation of X-ray absorption near edge spectra of organometallic compounds in the ground and optically excited states. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 805-16	2-7	8
362	First-principles simulation of amide and aromatic side chain ultraviolet spectroscopy of a cyclic dipeptide. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 11579-83	2-7	10
361	Time-Frequency and Coordinate-Momentum Wigner Wavepackets in Nonlinear Spectroscopy. <i>Advances in Chemical Physics</i> , <b>2007</b> , 345-372		12
360	Simulation of conductance and current-induced fluorescence of conjugated chromophores. <i>Chemical Physics Letters</i> , <b>2007</b> , 450, 144-150	2-4	10
359	Stochastic simulation of chemical exchange in two dimensional infrared spectroscopy. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 014507	3-8	52
358	Correlated hydrogen bonding fluctuations and vibrational cross peaks in N-methyl acetamide: simulation based on a complete electrostatic density functional theory map. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 194510	3-8	26
357	Probing molecular chirality via excitonic nonlinear response. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2006</b> , 39, 5051-5066	1-3	19
356	Many-body theory of current-induced fluorescence in molecular junctions. <i>Physical Review B</i> , <b>2006</b> , 73,	3-3	23
355	Optical coherence and theoretical study of the excitation dynamics of a highly symmetric cyclophane-linked oligophenylenevinylene dimer. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 194904	3-8	45
354	Two-dimensional vibrational optical probes for peptide fast folding investigation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 18934-8	11.1	28
353	Coherent control of cross-peaks in chirality-induced two-dimensional optical signals of excitons. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 224504	3-8	18
352	Cooperative effects in photon statistics of molecular dimers with spectral diffusion. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 124103	3-8	14

351	Simulation of single molecule inelastic electron tunneling signals in paraphenylene-vinylene oligomers and distyrylbenzene[2.2]paracyclophanes. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 6329-38 <sup>2-7</sup>	23
350	Simulation protocols for coherent femtosecond vibrational spectra of peptides. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 3362-74	3.3 120
349	Liouville-space pathways for spectral diffusion in photon statistics from single molecules. <i>Physical Review A</i> , <b>2005</b> , 71,	2.6 24
348	Coherent third-order spectroscopic probes of molecular chirality. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 134305	3.8 40
347	Stochastic Liouville equations for hydrogen-bonding fluctuations and their signatures in two-dimensional vibrational spectroscopy of water. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 114504	3.8 66
346	Dissecting coherent vibrational spectra of small proteins into secondary structural elements by sensitivity analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 7443-8	11.1 34
345	Coherent femtosecond multidimensional probes of molecular vibrations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 13717-8	11.1 13
344	Stacking effect of polyfluorene on the chemical shift and electron transport. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 2686-92	3.3 14
343	Dephasing-induced vibronic resonances in difference frequency generation spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 8132-43	3.3 15
342	Electrostatic DFT map for the complete vibrational amide band of NMA. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 9747-59	2.7 168
341	Collective solvent coordinates for the infrared spectrum of HOD in D2O based on an ab initio electrostatic map. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 64-82	2.7 135
340	Time-domain chirally-sensitive three-pulse coherent probes of vibrational excitons in proteins. <i>Chemical Physics</i> , <b>2005</b> , 318, 50-70	2.3 16
339	Time-dependent quasiparticle current-density-functional theory of x-ray nonlinear response functions. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3 1
338	Many-body effects in molecular photoionization in intense laser fields; time-dependent Hartree-Fock simulations. <i>Journal of Chemical Physics</i> , <b>2004</b> , 120, 669-76	3.8 16
337	All-forward semiclassical simulations of nonlinear response functions. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 36-43	3.8 22
336	Simulation of x-ray absorption near edge spectra of electronically excited ruthenium tris-2,2'-bipyridine. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 12323-33	3.8 23
335	Disentangling multidimensional femtosecond spectra of excitons by pulse shaping with coherent control. <i>Journal of Chemical Physics</i> , <b>2004</b> , 120, 8373-8	3.8 29
334	Stochastic Liouville equation simulation of multidimensional vibrational line shapes of trialanine. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 10577-98	3.8 70

333	The origin of vibrational mode couplings in various secondary structural motifs of polypeptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 506-10	11.1	102
332	Coherent low-frequency motions of hydrogen bonded acetic acid dimers in the liquid phase. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 902-13	3.8	128
331	Ligand effects on the X-ray absorption of a nickel porphyrin complex: a simulation study. <i>Chemical Physics</i> , <b>2004</b> , 299, 225-231	2.3	19
330	Multipoint Fluorescence Quenching-Time Statistics for Single Molecules with Anomalous Diffusion. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 15-24	2.7	22
329	Quartic Interband Exciton Couplings in Pump-Probe Spectroscopy of Light Harvesting Complexes. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 10295-10300	3.3	7
328	Efficient fluoride-selective fluorescent host: experiment and theory. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 943-50	4.1	137
327	Infrared Signatures of Proton Transfer in Guanine-Cytosine and Adenine-Thymine Base Pairs: DFT Study. <i>Israel Journal of Chemistry</i> , <b>2004</b> , 44, 185-191	3.3	9
326	Many-body approaches for simulating coherent nonlinear spectroscopies of electronic and vibrational excitons. <i>Chemical Reviews</i> , <b>2004</b> , 104, 2073-98	66.4	233
325	Peptide Secondary Structure Determination by Three-Pulse Coherent Vibrational Spectroscopies: A Simulation Study. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 18034-18045	3.3	34
324	Mechanical response functions of finite-temperature Bose-Einstein condensates. <i>Physical Review A</i> , <b>2003</b> , 67,	2.6	2
323	Generalized coherent-state derivation of time-dependent density-functional theory equations for superconductors. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	2
322	Resonant enhancement and dissipation in nonequilibrium van der Waals forces. <i>Physical Review Letters</i> , <b>2003</b> , 91, 233202	7.3	41
321	Superoperator representation of nonlinear response: unifying quantum field and mode coupling theories. <i>Physical Review E</i> , <b>2003</b> , 68, 021111	2.4	34
320	Ab initio simulation of the two-dimensional vibrational spectrum of dicarbonylacetylacetonato rhodium(I). <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 1347-1355	3.8	37
319	Simulation algorithms for multidimensional nonlinear response of classical many-body systems. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 9344-9354	3.8	25
318	Linear and nonlinear infrared signatures of local $\beta$ - and $\alpha$ -helical structures in alanine polypeptides. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 3651-3659	3.8	61
317	Self-consistent density matrix algorithm for electronic structure and excitations of molecules and aggregates. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 12194-12204	3.8	16
316	Time-resolved x-ray Raman spectroscopy of photoexcited polydiacetylene oligomer: A simulation study. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 3065-3078	3.8	13

315	Generalized coherent state representation of Bose-Einstein condensates. <i>Physical Review A</i> , <b>2003</b> , 67,	2.6	22
314	Infrared photon echo signatures of hydrogen bond connectivity in the cyclic decapeptide antamanide. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 9971-9980	3.8	39
313	Semiclassical mode-coupling factorizations of coherent nonlinear optical response. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 7979-7987	3.8	18
312	Quantum extension of the Jarzynski relation: analogy with stochastic dephasing. <i>Physical Review Letters</i> , <b>2003</b> , 90, 170604	7.3	209
311	Size scaling of intramolecular charge transfer driven optical properties of substituted polyenes and polyynes. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 7519-7524	3.8	22
310	Probing exciton dynamics using Raman resonances in femtosecond x-ray four-wave mixing. <i>Physical Review A</i> , <b>2003</b> , 67,	2.6	20
309	Quasiparticle density-matrix representation of nonlinear time-dependent density-functional response functions. <i>Physical Review A</i> , <b>2003</b> , 67,	2.6	21
308	Coherent Three-Pulse Spectroscopy of Coupled Vibrations in a Rigid Dipeptide: Density Functional Theory Simulations. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 5967-5985	3.3	20
307	Multidimensional Infrared Signatures of Intramolecular Hydrogen Bonding in Malonaldehyde. <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 9113-9131	2.7	52
306	A Mechanical Force Accompanies Fluorescence Resonance Energy Transfer (FRET). <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 3633-3638	2.7	23
305	Conformations and Photophysics of a Stilbene Dimer $\square$ <i>Journal of Physical Chemistry A</i> , <b>2003</b> , 107, 8029-8034	3.4	18
304	Charge and bonding redistribution in octatetraene driven by a strong laser field: Time-dependent Hartree-Fock simulation. <i>Journal of Chemical Physics</i> , <b>2003</b> , 119, 4722-4730	3.8	29
303	Control of Intrachromophore Excitonic Coherence in Electroluminescent Conjugated Dendrimers. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 7647-7653	3.3	55
302	Ultrafast Nonlinear Spectroscopic Techniques in the Gas Phase and Their Density Matrix Representation. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 697-718	2.7	59
301	Pump-Probe Simulation Study of the Two-Exciton Manifold of Dendrimers. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 7521-7529	2.7	14
300	Real Space Analysis of Excitonic Interactions and Coherence Length in Helical Aggregates. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 3524-3530	2.7	13
299	Three-dimensional nonlinear optical chromophores based on through-space delocalization. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 13480-5	16	104
298	Quantum quadratic brownian oscillator model for absorption lineshapes. <i>Israel Journal of Chemistry</i> , <b>2002</b> , 42, 143-149	3.3	3

297	Density matrix analysis and simulation of electronic excitations in conjugated and aggregated molecules. <i>Chemical Reviews</i> , <b>2002</b> , 102, 3171-212	66.4	457
296	Correlated line broadening in multidimensional vibrational spectroscopy. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 11089-11101	3.8	56
295	Low-temperature zero phonon lineshapes with various Brownian oscillator spectral densities. <i>Chemical Physics</i> , <b>2002</b> , 281, 1-10	2.3	32
294	Geometric picture for coupled electron-nuclear dynamics. <i>International Journal of Quantum Chemistry</i> , <b>2002</b> , 90, 799-811	2.1	1
293	Multiple quantum coherences in liquid state NMR and nonlinear optics: collective vs local origin. <i>Chemical Physics Letters</i> , <b>2002</b> , 357, 327-335	2.4	18
292	Analysis of Absorption Spectra of Zinc Porphyrin, Zinc meso-Tetraphenylporphyrin, and Halogenated Derivatives. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 10285-10293	2.7	69
291	Probing single molecule kinetics by photon arrival trajectories. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 9802-9810	3.8	24
290	Multidimensional spectroscopic probes of single molecule fluctuations. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 9465-9477	3.8	11
289	Multitime correlation functions for single molecule kinetics with fluctuating bottlenecks. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 4240-4251	3.8	45
288	Exciton confinement in organic dendrimer quantum wells for opto-electronic applications. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 455-459	3.8	27
287	Infrared analogs of heteronuclear nuclear magnetic resonance coherence transfer experiments in peptides. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 6803-6816	3.8	69
286	Collective many-body resonances in condensed phase nonlinear spectroscopy. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 5007	3.8	7
285	X-ray four-wave mixing in molecules. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 1877-1891	3.8	32
284	Magnetic Resonance Analogies in Multidimensional Vibrational Spectroscopy. <i>Bulletin of the Chemical Society of Japan</i> , <b>2002</b> , 75, 989-999	5.1	40
283	Electronic excitations of polyaniline; test of the independent chromophore approximation. <i>Physical Chemistry Chemical Physics</i> , <b>2001</b> , 3, 2893-2903	3.5	9
282	Collective Electronic Oscillators for Second-Order Polarizabilities of PushPull Carotenoids. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 5692-5703	2.7	15
281	Reaction Dynamics of a Photochromic Fluorescing Dithienylethene. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 1741-1749	2.7	85
280	Excited-State Molecular Dynamics Simulations of Conjugated Oligomers Using the Electronic Density Matrix. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 7057-7071	2.7	7

279	Signatures of beta-peptide unfolding in two-dimensional vibrational echo spectroscopy: a simulation study. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 3114-24	16	94
278	Exciton Delocalization in the B850 Light-Harvesting Complex: Comparison of Different Measures. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 5515-5524	3.3	102
277	Electronic Structure-Factor, Density Matrices, and Electron Energy Loss Spectroscopy of Conjugated Oligomers. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 1988-2004	2.7	11
276	Vibrational-exciton relaxation probed by three-pulse echoes in polypeptides. <i>Chemical Physics</i> , <b>2001</b> , 266, 285-294	2.3	29
275	Two-dimensional correlation spectroscopies of localized vibrations. <i>Chemical Physics</i> , <b>2001</b> , 266, 311-322.	2.3	24
274	Electronic density-matrix algorithm for nonadiabatic couplings in molecular dynamics simulations. <i>International Journal of Quantum Chemistry</i> , <b>2001</b> , 85, 225-238	2.1	51
273	Simulation of frequency- and wave-vector-resolved femtosecond resonant x-ray emission of molecular chains. <i>Physical Review A</i> , <b>2001</b> , 64,	2.6	10
272	Quadratic Brownian-oscillator model for solvation dynamics in optical response. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 10430-10435	3.8	14
271	Time-resolved x-ray spectroscopies: Nonlinear response functions and Liouville-space pathways. <i>Physical Review A</i> , <b>2001</b> , 63,	2.6	79
270	Simulations of energy funneling and time- and frequency-gated fluorescence in dendrimers. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 2419-2429	3.8	58
269	Design strategies for pulse sequences in multidimensional optical spectroscopies. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 4989-5004	3.8	82
268	Exciton coherence and electron energy loss spectroscopy of conjugated molecules. <i>Physical Review Letters</i> , <b>2001</b> , 86, 995-8	7.3	16
267	LOCALIZED AND DELOCALIZED ELECTRONIC EXCITATIONS IN BIOLOGICAL AND ARTIFICIAL ANTENNA COMPLEXES <b>2000</b> ,		2
266	Optical Absorption of Long Range Electron Transfer Systems in Intense Fields. <i>Journal of the Chinese Chemical Society</i> , <b>2000</b> , 47, 615-623	1.5	2
265	Simulations of two-dimensional femtosecond infrared photon echoes of glycine dipeptide. <i>Journal of Raman Spectroscopy</i> , <b>2000</b> , 31, 125-135	2.3	64
264	Electronic versus vibrational optical nonlinearities of push-pull polymers. <i>Chemical Physics Letters</i> , <b>2000</b> , 319, 261-264	2.4	22
263	Multidimensional femtosecond correlation spectroscopies of electronic and vibrational excitations. <i>Annual Review of Physical Chemistry</i> , <b>2000</b> , 51, 691-729	15.3	706
262	Excitonic funneling in extended dendrimers with nonlinear and random potentials. <i>Physical Review Letters</i> , <b>2000</b> , 85, 282-5	7.3	36



261	Density-matrix representation of nonadiabatic couplings in time-dependent density functional (TDDFT) theories. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 3572-3579	3.8	161
260	Krylov-space algorithms for time-dependent Hartree-Fock and density functional computations. <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 36-43	3.8	73
259	Exciton transport in molecular aggregates probed by time and frequency gated optical spectroscopy. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 7953-7963	3.8	32
258	Exciton Hamiltonian for the Bacteriochlorophyll System in the LH2 Antenna Complex of Purple Bacteria. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 4519-4528	3.3	98
257	Exciton-Wave Packet Dynamics in Molecular Aggregates Studied with Pump-Probe Spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 3976-3983	3.3	21
256	Oligophenylenevinylene Phane Dimers: Probing the Effect of Contact Site on the Optical Properties of Bichromophoric Pairs. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 1289-1297	16	102
255	Size Scaling of Third-Order Off-Resonant Polarizabilities. Electronic Coherence in Organic Oligomers. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 452-459	16	82
254	Through-Space Charge Transfer and Nonlinear Optical Properties of Substituted Paracyclophane. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 11956-11962	16	186
253	Off-Resonant Electronic and Vibrational Molecular Polarizabilities. Time-Dependent Collective-Oscillator Expansion. <i>Journal of Physical Chemistry A</i> , <b>2000</b> , 104, 4263-4271	2.7	4
252	Bacteriochlorophyll and Carotenoid Excitonic Couplings in the LH2 System of Purple Bacteria. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 9540-9553	3.3	113
251	Two-Dimensional Raman Echoes: Femtosecond View of Molecular Structure and Vibrational Coherence. <i>Accounts of Chemical Research</i> , <b>1999</b> , 32, 145-154	23.6	128
250	Superradiance Coherence Sizes in Single-Molecule Spectroscopy of LH2 Antenna Complexes. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 3954-3962	3.3	69
249	Complete Determination of Relaxation Parameters From Two-Dimensional Raman Spectroscopy. <i>Laser Chemistry</i> , <b>1999</b> , 19, 109-116		6
248	Femtosecond four-wave-mixing spectroscopy of interacting magnetoexcitons in semiconductor quantum wells. <i>Physical Review B</i> , <b>1999</b> , 59, 12584-12597	3.3	4
247	Two-exciton states and spectroscopy of phenylacetylene dendrimers. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 4158-4168	3.8	29
246	Nonlinear optical response functions for a chromophore with linear and quadratic electron-vibration coupling. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 1017-1024	3.8	16
245	Stochastic-trajectories and nonPoisson kinetics in single-molecule spectroscopy. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 7416-7425	3.8	30
244	Density-matrix-spectroscopic algorithm for excited-state adiabatic surfaces and molecular dynamics of a protonated Schiff base. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 8328-8337	3.8	21

243	Exciton-scaling and optical excitations of self-similar phenylacetylene dendrimers. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 8161-8175	3.8	82
242	Bosonized squeezed-state coupled-cluster approach to electron correlations in nonlinear spectroscopy. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 4383-4396	3.8	10
241	Semiclassical simulations of multidimensional Raman echoes. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 1711-1725	3.8	31
240	Intraband terahertz emission from coupled semiconductor quantum wells: A model study using the exciton representation. <i>Physical Review B</i> , <b>1999</b> , 60, 2599-2609	3.3	8
239	Excitonic couplings and electronic coherence in bridged naphthalene dimers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 13003-8	11.1	89
238	Reaction dynamics of photochromic dithienylethene derivatives. <i>Chemical Physics</i> , <b>1999</b> , 246, 115-125	2.3	80
237	Ground-state density-matrix algorithm for excited-state adiabatic surfaces: application to polyenes. <i>Chemical Physics Letters</i> , <b>1999</b> , 302, 77-84	2.4	20
236	Scaling of Fluorescence Stokes Shift and Superradiance Coherence Size in Disordered Molecular Aggregates. <i>Journal of Physical Chemistry A</i> , <b>1999</b> , 103, 10294-10299	2.7	35
235	Multidimensional femtosecond correlation spectroscopies of electronic and vibrational excitons. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 5011-5028	3.8	145
234	Electronic screening in second order optical polarizabilities of elongated Donor/Acceptor polyenes. <i>Chemical Physics</i> , <b>1999</b> , 245, 145-163	2.3	8
233	Optical response functions for condensed systems with linear and quadratic electron-vibration coupling. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 7949-7960	3.8	36
232	Spin versus Boson Baths in Nonlinear Spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>1998</b> , 102, 6614-6634	4.7	23
231	Solvent Reorganization in Long-Range Electron Transfer: Density Matrix Approach. <i>Journal of Physical Chemistry A</i> , <b>1998</b> , 102, 1241-1251	2.7	102
230	Localized Electronic Excitations in Phenylacetylene Dendrimers. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 3310-3315	3.3	179
229	Nonlinear optics of semiconductor and molecular nanostructures; a common perspective. <i>Reviews of Modern Physics</i> , <b>1998</b> , 70, 145-174	39.7	189
228	Exciton-migration and three-pulse femtosecond optical spectroscopies of photosynthetic antenna complexes. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 7763-7774	3.8	343
227	Stilbenoid Dimers: Dissection of a Paracyclophane Chromophore. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 9188-9204	16	201
226	Excitonic Interactions and Stark Spectroscopy of Light Harvesting Systems. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 8893-8908	3.3	31

225	Multidimensional femtosecond spectroscopies of molecular aggregates and semiconductor nanostructures: The nonlinear exciton equations. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 9587-9601	3.8	115
224	Multidimensional femtosecond spectroscopies of vibrational motions in liquids: Semiclassical expansion. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 5812-5825	3.8	70
223	Effective Frenkel Hamiltonian for optical nonlinearities in semiconductors: Application to magnetoexcitons. <i>Physical Review B</i> , <b>1998</b> , 58, 4496-4516	3.3	24
222	Simulation of three-pulse echo and fluorescence depolarization in photosynthetic aggregates. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>1998</b> , 356, 405-419	2.9	33
221	Localized Optical Excitations and Two-Exciton Spectroscopy of Phenylacetylene Dendrimers. <i>Materials Research Society Symposia Proceedings</i> , <b>1998</b> , 543, 327		
220	Origin, scaling, and saturation of second order polarizabilities in donor/acceptor polyenes. <i>Chemical Physics Letters</i> , <b>1998</b> , 287, 75-82	2.4	37
219	Real-space analysis of electronic excitations in free-base (H2P) and magnesium (MgP) porphins. <i>Chemical Physics Letters</i> , <b>1998</b> , 297, 357-364	2.4	14
218	Excited electronic states of carotenoids: Time-dependent density-matrix-response algorithm. <i>International Journal of Quantum Chemistry</i> , <b>1998</b> , 70, 711-727	2.1	30
217	Excited electronic states of carotenoids: Time-dependent density-matrix-response algorithm <b>1998</b> , 70, 711		1
216	Two-Dimensional Raman Spectroscopy of Vibrational Interactions in Liquids. <i>Physical Review Letters</i> , <b>1997</b> , 79, 2702-2705	7.3	176
215	Quantum Confined Fano Interference. <i>Physical Review Letters</i> , <b>1997</b> , 78, 1363-1366	7.3	58
214	Electronic-oscillator analysis of femtosecond four-wave mixing in conjugated polyenes. <i>Physical Review B</i> , <b>1997</b> , 55, 4960-4977	3.3	17
213	Density-matrix-electronic-oscillator representation of optical spectroscopy of semiconductor nanocrystals. <i>Journal of Chemical Physics</i> , <b>1997</b> , 106, 3837-3853	3.8	14
212	Polarons, localization, and excitonic coherence in superradiance of biological antenna complexes. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 3876-3893	3.8	173
211	Probing the Two-Exciton Manifold of Light-Harvesting Antenna Complexes Using Femtosecond Four-Wave Mixing. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 809-816	3.3	35
210	Wigner spectrogram representations of heterodyne-detected four-wave-mixing and fluorescence up-conversion. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 4165-4171	3.8	36
209	Two-Dimensional Real-Space Analysis of Optical Excitations in Acceptor-Substituted Carotenoids. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 11408-11419	16	109
208	Multiple Exciton Coherence Sizes in Photosynthetic Antenna Complexes viewed by Pump-Probe Spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 7332-7342	3.3	170

207	Femtosecond photon echoes in molecular aggregates. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 8759-8780	3.8	94
206	Electronic Coherence and Collective Optical Excitations of Conjugated Molecules. <i>Science</i> , <b>1997</b> , 277, 781-787	32.2	309
205	Nonlinear Polarizabilities of Donor-Acceptor Substituted Conjugated Polyenes. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 11080-11085		29
204	Interrogation of Vibrational Structure and Line Broadening of Liquid Water by Raman-Induced Kerr Effect Measurements within the Multimode Brownian Oscillator Model. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 10380-10388		88
203	Wigner spectrograms for femtosecond pulse-shaped heterodyne and autocorrelation measurements. <i>IEEE Journal of Quantum Electronics</i> , <b>1996</b> , 32, 1278-1288	1.9	39
202	Interplay of multiple vibrational spectral densities in femtosecond nonlinear spectroscopy of liquids. <i>Journal of Chemical Physics</i> , <b>1996</b> , 105, 8543-8555	3.8	33
201	Collective electronic oscillators for nonlinear optical response of conjugated molecules. <i>Chemical Physics Letters</i> , <b>1996</b> , 259, 55-61	2.4	70
200	Intermolecular electronic coherences and local field effects in optical spectra of PPV-oligomer dimers. <i>Chemical Physics</i> , <b>1996</b> , 210, 171-193	2.3	13
199	Linear and nonlinear optical response of dimethyl-amino-nitro-stilbene (DANS): coupled oscillator representation versus sum-over-states picture. <i>Chemical Physics</i> , <b>1996</b> , 210, 353-366	2.3	12
198	Real space analysis of the nonlocal optical response of PPV oligomers. <i>Journal of Chemical Physics</i> , <b>1996</b> , 104, 7086-7098	3.8	14
197	Femtosecond Spectroscopic Signatures of Electronic Correlations in Conjugated Polyenes and Semiconductor Nanostructures. <i>Physical Review Letters</i> , <b>1996</b> , 77, 3471-3474	7.3	24
196	Chemical Bonding and Size-Scaling of Nonlinear Polarizabilities of Conjugated Polymers. <i>Physical Review Letters</i> , <b>1996</b> , 77, 4656-4659	7.3	58
195	Classical chaos and fluctuation-dissipation relations for nonlinear response. <i>Physical Review E</i> , <b>1996</b> , 53, R1-R4	2.4	101
194	Effective bridge spectral density for long-range biological energy and charge transfer. <i>Journal of Chemical Physics</i> , <b>1996</b> , 104, 5821-5833	3.8	41
193	Size-consistent quasiparticle representation of nonlinear optical susceptibilities in many-electron systems. <i>Journal of Chemical Physics</i> , <b>1996</b> , 104, 444-459	3.8	71
192	Optical Stark spectroscopy of molecular aggregates. <i>Journal of Chemical Physics</i> , <b>1996</b> , 104, 5415-5423	3.8	4
191	Two-exciton spectroscopy of photosynthetic antenna complexes: Collective oscillator analysis. <i>Journal of Chemical Physics</i> , <b>1996</b> , 105, 8586-8601	3.8	41
190	The coupled electronic oscillators vs the sum-over-states pictures for the optical response of octatetraene. <i>Journal of Chemical Physics</i> , <b>1996</b> , 104, 5406-5414	3.8	21

189	Optical activity of electronically delocalized molecular aggregates: Nonlocal response formulation. <i>Journal of Chemical Physics</i> , <b>1996</b> , 105, 7995-8010	3.8	16
188	Collective coordinates for nuclear spectral densities in energy transfer and femtosecond spectroscopy of molecular aggregates. <i>Journal of Chemical Physics</i> , <b>1996</b> , 105, 4565-4583	3.8	104
187	Recursive density-matrix-spectral-moment algorithm for molecular nonlinear polarizabilities. <i>Journal of Chemical Physics</i> , <b>1996</b> , 105, 8914-8928	3.8	66
186	Time and frequency resolved luminescence from excitonic nanostructures. <i>Physica Status Solidi (B): Basic Research</i> , <b>1995</b> , 188, 275-284	1.3	4
185	Level Correlations and Dephasing-Induced Resonances in Molecular Aggregates. <i>Physica Status Solidi (B): Basic Research</i> , <b>1995</b> , 189, 67-73	1.3	8
184	Gauge invariant formulation of molecular electrodynamics and the multipolar Hamiltonian. <i>Chemical Physics</i> , <b>1995</b> , 198, 133-143	2.3	6
183	Anharmonic oscillator representation of nonlinear optical susceptibilities of a charged soliton, a neutral soliton, and a polaron in conjugated polymers. <i>Journal of Chemical Physics</i> , <b>1995</b> , 103, 7144-7155	3.8	12
182	Photon echoes in impulsive optical spectroscopy of phonons. <i>Journal of Chemical Physics</i> , <b>1995</b> , 102, 2365-2371	3.8	47
181	Time-dependent density-matrix functional in Liouville space and the optical response of many-electron systems. <i>Physical Review A</i> , <b>1995</b> , 52, 3601-3621	2.6	12
180	Real-space coupled-oscillator approach to the radiative decay of conjugated polymers. <i>Physical Review B</i> , <b>1995</b> , 52, 2528-2538	3.3	13
179	Semiclassical theory of molecular nonlinear optical polarization. <i>Journal of Chemical Physics</i> , <b>1995</b> , 102, 9327-9344	3.8	24
178	Generalized sum rules for optical nonlinearities of many-electron systems. <i>Journal of Chemical Physics</i> , <b>1995</b> , 103, 7640-7644	3.8	19
177	Two-exciton collective photon echoes in disordered molecular nanostructures. <i>Physical Review Letters</i> , <b>1995</b> , 74, 4895-4898	7.3	11
176	Nonlinear Susceptibilities of Donor-Acceptor Conjugated Systems: Coupled-Oscillator Representation. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 4945-4964	16	37
175	Femtosecond pump-probe spectroscopy of intermolecular vibrations in molecular dimers. <i>Journal of Chemical Physics</i> , <b>1995</b> , 103, 1981-1984	3.8	14
174	Photophysical Probes of a Protein/Semiconductor Electrode Interface. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 546-547	16	14
173	Reduced electronic density matrices, effective Hamiltonians, and nonlinear susceptibilities of conjugated polyenes. <i>Journal of Chemical Physics</i> , <b>1995</b> , 103, 9355-9362	3.8	40
172	Nonlocal electrodynamics of arrays of quantum dots. <i>Physical Review B</i> , <b>1995</b> , 52, 1936-1947	3.3	10

171	Experimental determination of the quantum-mechanical state of a molecular vibrational mode using fluorescence tomography. <i>Physical Review Letters</i> , <b>1995</b> , 74, 884-887	7.3	264
170	Dominant electronic oscillators in the optical nonlinearities of conjugated polyenes. <i>Chemical Physics Letters</i> , <b>1995</b> , 240, 296-303	2.4	10
169	High-order echoes in vibrational spectroscopy of liquids. <i>Chemical Physics Letters</i> , <b>1995</b> , 240, 304-314	2.4	51
168	Energy transfer, spectral diffusion, and fluorescence of molecular aggregates: Brownian oscillator analysis. <i>Chemical Physics Letters</i> , <b>1995</b> , 242, 17-26	2.4	26
167	Superexchange versus sequential long range electron transfer; density matrix pathways in Liouville space. <i>Chemical Physics</i> , <b>1995</b> , 197, 367-388	2.3	85
166	Four-wave mixing and luminescence of confined excitons in molecular aggregates and nanostructures. many-body green function approach. <i>Physics Reports</i> , <b>1995</b> , 263, 213-309	27.2	71
165	Optical Stark Spectroscopy of a Brownian Oscillator in Intense Fields. <i>Journal of the Physical Society of Japan</i> , <b>1994</b> , 63, 66-77	1.4	79
164	Semiclassical Green function calculation of four wave mixing in polarizable clusters and liquids. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 7388-7398	3.8	17
163	Cooperative ultrafast nonlinear optical response of molecular nanostructures. <i>Journal of Chemical Physics</i> , <b>1994</b> , 100, 2465-2480	3.8	13
162	Exciton confinement and nonlocal nonlinear optical response of organic quantum wells. <i>Physical Review B</i> , <b>1994</b> , 49, 17079-17091	3.3	3
161	Self-broadening and exciton line shifts in gases: Beyond the local-field approximation. <i>Physical Review A</i> , <b>1994</b> , 49, 146-155	2.6	36
160	Multistate quantum Fokker-Planck approach to nonadiabatic wave packet dynamics in pump-probe spectroscopy. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 3049-3061	3.8	82
159	Spectroscopic investigations of the nonlinear response of poly (4-BCMU) films. <i>Chemical Physics Letters</i> , <b>1994</b> , 228, 73-78	2.4	7
158	The Brownian oscillator model for solvation effects in spontaneous light emission and their relationship to electron transfer. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 11039-11047	16	107
157	Electronic coherence and nonlinear susceptibilities of conjugated polyenes. <i>Science</i> , <b>1994</b> , 266, 250-4	32.2	87
156	Path integral formulation of retardation effects in nonlinear optics. <i>Journal of Chemical Physics</i> , <b>1994</b> , 100, 2953-2974	3.8	20
155	Anharmonic oscillator modeling of nonlinear susceptibilities and its application to conjugated polymers. <i>Journal of Chemical Physics</i> , <b>1994</b> , 100, 2366-2384	3.8	89
154	Nonlocal electrodynamics of weakly confined excitons in semiconductor nanostructures. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 9719-9735	3.8	9



153	Simulation of the intermolecular vibrational spectra of liquid water and water clusters. <i>Journal of Chemical Physics</i> , <b>1993</b> , 98, 4413-4421	3.8	154
152	Cooperative radiative decay in the nonlinear optical response of excitonic nanostructures. <i>Physical Review B</i> , <b>1993</b> , 48, 2470-2478	3.3	26
151	The optical dielectric function of polarizable liquids. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 6062-6070	3.8	14
150	Nonlinear response functions for birefringence and dichroism measurements in condensed phases. <i>Journal of Chemical Physics</i> , <b>1993</b> , 98, 5314-5326	3.8	51
149	Quantum electrodynamics of molecular nanostructures. <i>Journal of Chemical Physics</i> , <b>1993</b> , 98, 7046-7058	3.8	33
148	Real-time path-integral approach to quantum coherence and dephasing in nonadiabatic transitions and nonlinear optical response. <i>Physical Review E</i> , <b>1993</b> , 47, 118-136	2.4	108
147	Two-dimensional femtosecond vibrational spectroscopy of liquids. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 9496-9511	3.8	512
146	Radiative decay of topologically disordered excitons. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 3604-3613	3.8	9
145	Optical control of molecular dynamics: Molecular cannons, reflectrons, and wave-packet focusers. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 6562-6578	3.8	177
144	Exciton transport and degenerate four wave mixing in topologically disordered systems. <i>Journal of Chemical Physics</i> , <b>1993</b> , 98, 5899-5911	3.8	7
143	Off-resonant transient birefringence in liquids. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 2410-2428	3.8	229
142	Nonlinear optical properties of confined excitons in clusters. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , <b>1993</b> , 26, 126-130		1
141	Femtosecond four wave mixing spectroscopy of conjugated polymers. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 1597-1606	3.8	9
140	Femtosecond pump-probe spectroscopy of conjugated polymers: Coherent and sequential contributions. <i>Physical Review Letters</i> , <b>1992</b> , 68, 2456-2459	7.3	27
139	Simulation of the femtosecond optical response of a solute in water. <i>Physical Review Letters</i> , <b>1992</b> , 68, 1842-1845	7.3	48
138	Nonlinear optical response of conjugated polymers: Electron-hole anharmonic-oscillator picture. <i>Physical Review Letters</i> , <b>1992</b> , 69, 65-68	7.3	101
137	Charge-transfer excitons and $\sigma$ of molecular monolayers. <i>Journal of Chemical Physics</i> , <b>1992</b> , 96, 9201-9218	3.8	13
136	Quasiparticle exciton representation of frequency dispersed optical nonlinearities of conjugated polyenes. <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 8019-8036	3.8	19

135	Structure, dynamics, and the electronic absorption of benzene-argon clusters. <i>Journal of Chemical Physics</i> , <b>1992</b> , 96, 116-135	3.8	65
134	Photon echoes and related four-wave-mixing spectroscopies using phase-locked pulses. <i>Journal of Chemical Physics</i> , <b>1992</b> , 96, 5618-5629	3.8	131
133	Exciton-scattering mechanism for enhanced nonlinear response of molecular nanostructures. <i>Physical Review A</i> , <b>1992</b> , 46, 452-464	2.6	70
132	Optical response of conjugated polyenes. Electrons, holes and intermediate excitons. <i>Chemical Physics Letters</i> , <b>1992</b> , 192, 417-424	2.4	21
131	Radiative decay in semiconductor quantum dots at finite temperatures. <i>Chemical Physics Letters</i> , <b>1992</b> , 189, 119-127	2.4	12
130	Stochastic theory of time-resolved four-wave mixing in interacting media. <i>Physical Review A</i> , <b>1991</b> , 44, 2124-2129	2.6	68
129	Generalized semiconductor Bloch equations: Local fields and transient gratings. <i>Physical Review B</i> , <b>1991</b> , 44, 11253-11259	3.3	22
128	Excitons in confined geometries: Size scaling of nonlinear susceptibilities. <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 7526-7540	3.8	60
127	Cooperative radiative dynamics in molecular aggregates. <i>Journal of Chemical Physics</i> , <b>1991</b> , 94, 7534-7544	4.8	88
126	Melting and the electronic absorption of benzene-argon clusters. <i>Physical Review Letters</i> , <b>1991</b> , 66, 2340-2343	7.3	36
125	Photon echoes of polyatomic molecules in condensed phases. <i>Journal of Chemical Physics</i> , <b>1991</b> , 94, 179-190	3.9	142
124	Cooperative nonlinear optical response of molecular aggregates: Crossover to bulk behavior. <i>Physical Review Letters</i> , <b>1991</b> , 66, 1197-1200	7.3	120
123	Polaron and size effects in optical line shapes of molecular aggregates. <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 1588-1607	3.8	23
122	Biexciton states and two-photon absorption in molecular monolayers. <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 1400-1409	3.8	47
121	Exciton coherence-size and phonon-mediated optical nonlinearities in restricted geometries. <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 7828-7845	3.8	38
120	Solvation Structure in the Time Resolved Stokes Shift and Adiabatic Electron Transfer. <i>Molecular Crystals and Liquid Crystals</i> , <b>1991</b> , 194, 263-268		
119	Coherence Domains in the Radiative Dynamics of Molecular Aggregates. <i>Molecular Crystals and Liquid Crystals</i> , <b>1991</b> , 194, 331-336		9
118	Pulse shaping and coherent Raman spectroscopy in condensed phases. <i>Journal of Chemical Physics</i> , <b>1991</b> , 94, 997-1005	3.8	54

117	Transient gratings, four-wave mixing and polariton effects in nonlinear optics. <i>Physics Reports</i> , <b>1991</b> , 205, 1-58	27.2	63
116	Temperature-dependent superradiant decay of excitons in small aggregates. <i>Physical Review Letters</i> , <b>1990</b> , 65, 211-214	7.3	169
115	Note on superradiance of excitonic molecules. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1990</b> , 147, 155-160	2.2	21
114	Impulsive pump-probe and photon-echo spectroscopies of dye molecules in condensed phases. <i>Physical Review A</i> , <b>1990</b> , 42, 6920-6923	2.6	81
113	Nonlinear optical response in condensed phases: A microscopic theory using the multipolar Hamiltonian. <i>Physical Review A</i> , <b>1990</b> , 41, 3812-3821	2.6	20
112	Optical properties of Wannier excitons in the linear and weakly nonlinear regime. <i>Physical Review B</i> , <b>1990</b> , 42, 2959-2976	3.3	18
111	Solvation structure and the time-resolved Stokes shift in non-Debye solvents. <i>Journal of Chemical Physics</i> , <b>1990</b> , 93, 932-946	3.8	93
110	Femtosecond pump-probe spectroscopy of polyatomic molecules in condensed phases. <i>Physical Review A</i> , <b>1990</b> , 41, 6485-6504	2.6	204
109	A classical theory of pump-probe photodissociation for arbitrary pulse durations. <i>Journal of Chemical Physics</i> , <b>1990</b> , 93, 3063-3071	3.8	42
108	Intramolecular and solvent dynamics in femtosecond pump-probe spectroscopy. <i>Journal of Chemical Physics</i> , <b>1990</b> , 93, 3863-3873	3.8	27
107	Femtosecond Optical Spectroscopy: A Direct Look at Elementary Chemical Events. <i>Annual Review of Physical Chemistry</i> , <b>1990</b> , 41, 647-681	15.3	238
106	Unified description of electron transfer and nonlinear optical spectroscopy. <i>Accounts of Chemical Research</i> , <b>1989</b> , 22, 301-308	23.6	43
105	Tunneling versus sequential long-range electron transfer: Analogy with pump-probe spectroscopy. <i>Journal of Chemical Physics</i> , <b>1989</b> , 91, 6973-6988	3.8	117
104	Nonlinear susceptibilities of molecular aggregates: Enhancement of $\chi^{(3)}$ by size. <i>Physical Review A</i> , <b>1989</b> , 40, 5783-5801	2.6	255
103	Polaritons and retarded interactions in nonlinear optical susceptibilities. <i>Journal of Chemical Physics</i> , <b>1989</b> , 91, 989-1007	3.8	23
102	Nonlinear optics using the multipolar Hamiltonian: The Bloch-Maxwell equations and local fields. <i>Physical Review A</i> , <b>1989</b> , 39, 1899-1914	2.6	36
101	Intermolecular forces, spontaneous emission, and superradiance in a dielectric medium: Polariton-mediated interactions. <i>Physical Review A</i> , <b>1989</b> , 40, 7065-7080	2.6	115
100	Superradiance in molecular aggregates. <i>Journal of Chemical Physics</i> , <b>1989</b> , 91, 683-700	3.8	225

99	Superexchange and electron transfer in the photosynthetic reaction center. <i>Chemical Physics Letters</i> , <b>1989</b> , 160, 410-416	2.4	46
98	Quantum transport and localization in disordered media: Liouville space dynamics with frequency-dependent dephasing. <i>Chemical Physics</i> , <b>1988</b> , 128, 99-123	2.3	16
97	Dielectric friction and the transition from adiabatic to nonadiabatic electron transfer in condensed phases. II. Application to non-Debye solvents. <i>Journal of Chemical Physics</i> , <b>1988</b> , 88, 4300-4311	3.8	63
96	What is the solvent longitudinal time scale controlling electron transfer rates?. <i>Journal of Chemical Physics</i> , <b>1988</b> , 88, 1465-1466	3.8	24
95	Electronic dephasing, vibrational relaxation, and solvent friction in molecular nonlinear optical line shapes. <i>Journal of Chemical Physics</i> , <b>1988</b> , 89, 5160-5176	3.8	160
94	Radiative decay and energy transfer in molecular aggregates: The role of intermolecular dephasing. <i>Physical Review A</i> , <b>1988</b> , 37, 3835-3846	2.6	102
93	Anderson localization in Liouville space: The effective dephasing approximation. <i>Physical Review B</i> , <b>1988</b> , 37, 1874-1883	3.3	9
92	Analysis of fluorescence line shapes and Raman excitation profiles of tetrademethyl- $\beta$ -carotene. <i>Journal of Chemical Physics</i> , <b>1988</b> , 88, 651-665	3.8	31
91	Dielectric friction and the transition from adiabatic to nonadiabatic electron transfer. I. Solvation dynamics in Liouville space. <i>Journal of Chemical Physics</i> , <b>1988</b> , 88, 3263-3280	3.8	231
90	Semiclassical dynamics in Liouville space: Application to molecular electronic spectroscopy. <i>Journal of Chemical Physics</i> , <b>1988</b> , 88, 5735-5748	3.8	60
89	Molecular fluorescence and near resonance Raman yield as a probe for solvation dynamics. <i>Journal of Chemical Physics</i> , <b>1987</b> , 86, 6085-6107	3.8	72
88	Theory of carrier motion in dynamically disordered systems. <i>Journal of Chemical Physics</i> , <b>1987</b> , 86, 2249-2263	3.8	16
87	Reduced equations of motion for semiclassical dynamics in phase space. <i>Journal of Chemical Physics</i> , <b>1987</b> , 86, 3441-3454	3.8	37
86	Self-consistent mode-coupling theory of electrical conductivity and incoherent excitation transport in disordered media. <i>Journal of Chemical Physics</i> , <b>1987</b> , 86, 1323-1339	3.8	10
85	Self-consistent mode-coupling theory of excitation transport with long-range transfer rates in solution. <i>Journal of Chemical Physics</i> , <b>1987</b> , 86, 6419-6424	3.8	3
84	Intramolecular dephasing and vibrational redistribution in the dispersed fluorescence of ultracold molecules: Application to anthracene. <i>Journal of Chemical Physics</i> , <b>1987</b> , 87, 2021-2035	3.8	18
83	Time-resolved fluorescence and hole-burning line shapes of solvated molecules: Longitudinal dielectric relaxation and vibrational dynamics. <i>Journal of Chemical Physics</i> , <b>1987</b> , 87, 5840-5857	3.8	175
82	Molecular theory of solvation and dielectric response in polar fluids. <i>Journal of Chemical Physics</i> , <b>1987</b> , 87, 1272-1283	3.8	114

81	Solvation dynamics and vibrational relaxation in resonance Raman and fluorescence lineshapes of tetrademethyl- $\beta$ -carotene. <i>Chemical Physics Letters</i> , <b>1987</b> , 134, 87-95	2.4	23
80	Time-dependent self-consistent field approximation for semiclassical dynamics using gaussian wavepackets in phase space. <i>Chemical Physics Letters</i> , <b>1987</b> , 134, 291-295	2.4	12
79	Time- and frequency-resolved fluorescence line shapes as a probe of solvation dynamics. <i>Chemical Physics Letters</i> , <b>1987</b> , 135, 23-29	2.4	25
78	Eigenstate-free, Green function, calculation of molecular absorption and fluorescence line shapes. <i>Journal of Chemical Physics</i> , <b>1986</b> , 85, 5908-5923	3.8	159
77	Four-wave mixing using partially coherent fields in systems with spatial correlations. <i>Physical Review A</i> , <b>1986</b> , 33, 1099-1108	2.6	45
76	Extra resonances in four-wave mixing as a probe of exciton dynamics: The steady-state analog of the transient grating. <i>Journal of Chemical Physics</i> , <b>1986</b> , 84, 1228-1242	3.8	17
75	Nonlinear susceptibilities and coherent and spontaneous Raman spectroscopy of polyatomic molecules in condensed phases. <i>Journal of Chemical Physics</i> , <b>1986</b> , 85, 1738-1752	3.8	25
74	Raman excitation profiles of polyatomic molecules in condensed phases. A stochastic theory. <i>Journal of Chemical Physics</i> , <b>1986</b> , 85, 462-474	3.8	106
73	Self-consistent mode-coupling theory of quantum percolation. <i>Physical Review B</i> , <b>1986</b> , 33, 7708-7714	3.3	16
72	Phonon and fracton vibrational modes in disordered harmonic structures: A self-consistent theory. <i>Physical Review B</i> , <b>1986</b> , 34, 6582-6585	3.3	10
71	Effective dephasing theory of the optical Anderson transition as probed by four-wave-mixing spectroscopy. <i>Journal of Chemical Physics</i> , <b>1986</b> , 85, 1950-1965	3.8	26
70	On the selective elimination of intramolecular vibrational redistribution using strong resonant laser fields. <i>Chemical Physics Letters</i> , <b>1985</b> , 117, 489-494	2.4	34
69	Unified theory of photon echoes: The passage from inhomogeneous to homogeneous line broadening. <i>Chemical Physics Letters</i> , <b>1985</b> , 114, 426-429	2.4	74
68	Direct vs redistributed fluorescence of supercooled molecules: The onset of intramolecular vibrational redistribution. <i>Journal of Chemical Physics</i> , <b>1985</b> , 82, 2867-2876	3.8	38
67	Microscopic theory of the transient grating experiment. <i>Journal of Chemical Physics</i> , <b>1985</b> , 83, 4353-4359	3.8	19
66	Selectivity in coherent transient Raman measurements of vibrational dephasing in liquids. <i>Journal of Chemical Physics</i> , <b>1985</b> , 83, 2116-2128	3.8	157
65	Eigenstate-free calculation of Raman line shapes in anharmonic molecules. <i>Journal of Chemical Physics</i> , <b>1985</b> , 82, 5291-5292	3.8	6
64	Stochastic theory of resonance Raman line shapes of polyatomic molecules in condensed phases. <i>Journal of Chemical Physics</i> , <b>1985</b> , 82, 5398-5408	3.8	88

63	Quantum-beat spectroscopy with coherent and incoherent radiation fields. <i>Chemical Physics Letters</i> , <b>1984</b> , 107, 398-404	2.4	8
62	Spectral lineshapes of molecular clusters. <i>Chemical Physics Letters</i> , <b>1984</b> , 107, 239-244	2.4	19
61	Fluctuations in intramolecular line shapes—Random matrix theory. <i>Chemical Physics Letters</i> , <b>1984</b> , 105, 134-139	2.4	50
60	A pure-dephasing model for overtone lineshapes. <i>Chemical Physics Letters</i> , <b>1984</b> , 108, 161-165	2.4	12
59	Transport and percolation in disordered systems—A self-consistent time-local approach. <i>Journal of Statistical Physics</i> , <b>1984</b> , 36, 677-686	1.5	7
58	Origin of spectral holes in pump-probe studies of homogeneously broadened lines. <i>Physical Review A</i> , <b>1984</b> , 29, 1973-1983	2.6	87
57	Criterion for the observation of the critical contribution to vibrational bands in fluids. <i>Journal of Chemical Physics</i> , <b>1984</b> , 80, 6328-6329	3.8	16
56	Line broadening in rigid and nonrigid clusters and molecular electronic spectra. The spectral density formalism. <i>Journal of Chemical Physics</i> , <b>1984</b> , 80, 5487-5495	3.8	23
55	Non-Markovian dephasing of two-level resonance fluorescence in a strong radiation field. <i>Physical Review A</i> , <b>1984</b> , 29, 1914-1921	2.6	7
54	Transport of excitations in disordered systems: Self-consistent density resummation. <i>Physical Review B</i> , <b>1984</b> , 30, 4426-4440	3.3	11
53	On the dynamics of excitations in disordered systems. <i>Journal of Statistical Physics</i> , <b>1983</b> , 30, 179-184	1.5	3
52	Semiclassical calculation of electronic spectra of supercooled anharmonic molecules. <i>Journal of Chemical Physics</i> , <b>1983</b> , 78, 7498-7500	3.8	17
51	Single-atom versus coherent pressure-induced extra resonances in four-photon processes. <i>Optics Letters</i> , <b>1983</b> , 8, 145-7	2.9	25
50	Nonimpact unified theory of four-wave mixing and two-photon processes. <i>Physical Review A</i> , <b>1983</b> , 28, 3480-3492	2.6	115
49	Universality in the Critical Broadening of Spectral Lines in Simple Fluids. <i>Physical Review Letters</i> , <b>1983</b> , 50, 590-594	7.3	27
48	Quantum vs classical calculation of nonlinear spectra-reduced dynamics and intramolecular entropy. <i>Journal of Chemical Physics</i> , <b>1983</b> , 79, 2126-2133	3.8	8
47	Anharmonic molecular spectra-self-consistent mode coupling, nonlinear maps, and quantum chaos. <i>Journal of Chemical Physics</i> , <b>1983</b> , 79, 5457-5468	3.8	16
46	Comment on: A quantum analog to the classical quasiperiodic motion— <i>Journal of Chemical Physics</i> , <b>1983</b> , 78, 5843-5844	3.8	4



45	On the semiclassical calculation of molecular absorption and fluorescence spectra. <i>Journal of Chemical Physics</i> , <b>1982</b> , 77, 173-181	3.8	105
44	Franck-Condon approach to collisional dephasing of spectral lines in liquids. <i>Journal of Chemical Physics</i> , <b>1982</b> , 76, 834-842	3.8	14
43	Dressed-cluster and hydrodynamic expansions for line broadening in simple fluids. <i>Physical Review A</i> , <b>1982</b> , 26, 617-630	2.6	15
42	Nonimpact theory of absorption line broadening in strong radiation fields. <i>Physical Review A</i> , <b>1982</b> , 26, 271-281	2.6	12
41	Nonimpact theory of resonance Raman line shapes in strong radiation fields. <i>Physical Review A</i> , <b>1982</b> , 26, 341-355	2.6	16
40	On the density expansion of spectral lineshapes. <i>Optics Communications</i> , <b>1982</b> , 40, 421-424	1.9	8
39	Collisional broadening of spectral line shapes in two-photon and multiphoton processes. <i>Physics Reports</i> , <b>1982</b> , 93, 1-60	27.2	135
38	The interplay between coherent and stochastic effects in deeply inelastic collisions of heavy ions. <i>Nuclear Physics A</i> , <b>1981</b> , 366, 339-364	1.3	18
37	Fluorescence of supercooled molecules as a probe for intramolecular vibrational redistribution rates. <i>Journal of Chemical Physics</i> , <b>1980</b> , 73, 4156-4166	3.8	49
36	Line broadening in a strong radiation field: Application to electron-phonon systems. <i>Journal of Chemical Physics</i> , <b>1980</b> , 73, 5322-5329	3.8	15
35	Vibrational relaxation in jet-cooled alkyl benzenes. II. Fluorescence spectra. <i>Journal of Chemical Physics</i> , <b>1980</b> , 72, 5049-5061	3.8	135
34	Theory of vibrational overtone line shapes of polyatomic molecules. <i>Journal of Chemical Physics</i> , <b>1979</b> , 70, 463	3.8	119
33	On the derivation of rate equations for collisionless molecular multiphoton processes. <i>Journal of Chemical Physics</i> , <b>1979</b> , 71, 2012	3.8	39
32	Stochastic reduction for molecular multiphoton processes. <i>Journal of Chemical Physics</i> , <b>1979</b> , 70, 5834-5847	3.8	37
31	Reduced Equations of Motion for Molecular Multiphoton Processes. <i>Physical Review Letters</i> , <b>1979</b> , 42, 168-171	7.3	20
30	Reduced equations of motion for collision-induced intersystem crossing. <i>Chemical Physics Letters</i> , <b>1979</b> , 60, 310-314	2.4	16
29	Non-markovian theory of molecular relaxation. I. Vibrational relaxation and dephasing in condensed phases. <i>Chemical Physics</i> , <b>1979</b> , 37, 33-47	2.3	120
28	Non-Markovian theory of collisional dephasing in near resonance light scattering. <i>Journal of Chemical Physics</i> , <b>1979</b> , 71, 2884	3.8	41

27	On the nature of intramolecular dephasing processes in polyatomic molecules. <i>Chemical Physics</i> , <b>1978</b> , 31, 327-333	2.3	45
26	Statistical reduction for strongly driven simple quantum systems. <i>Physical Review A</i> , <b>1978</b> , 17, 1988-1998.	2.6	134
25	On the theory of unimolecular reactions: Application of mean first passage time to reaction rates. <i>Journal of Chemical Physics</i> , <b>1978</b> , 68, 3244-3253	3.8	14
24	Resonance Raman scattering from a multilevel, thermally relaxing system. <i>Journal of Chemical Physics</i> , <b>1977</b> , 66, 2462-2479	3.8	45
23	Stochastic reduction for dynamics of reactions with complex formation. <i>Journal of Chemical Physics</i> , <b>1977</b> , 67, 2007	3.8	25
22	On the quasiadiabatic description of the dynamics of electronically adiabatic chemical reactions. <i>Journal of Chemical Physics</i> , <b>1977</b> , 66, 3759-3766	3.8	41
21	Collisionless Multiphoton Dissociation of SF <sub>6</sub> : A Statistical Thermodynamic Process. <i>Physical Review Letters</i> , <b>1977</b> , 38, 1131-1134	7.3	233
20	Comment on nonstatistical behavior in laser chemistry and chemical activation. <i>Journal of Chemical Physics</i> , <b>1977</b> , 66, 5235-5236	3.8	13
19	Isotope effects in photofragmentation of linear triatomics. <i>Chemical Physics Letters</i> , <b>1977</b> , 45, 211-216	2.4	13
18	Reaction operators for the relative coordinates treatment of atom-diatom collinear collisions. <i>Molecular Physics</i> , <b>1976</b> , 31, 1-22	1.6	18
17	A model for isotope separation via molecular multiphoton photodissociation. <i>Chemical Physics Letters</i> , <b>1976</b> , 40, 150-156	2.4	115
16	Collision broadening in two-photon spectroscopy. <i>Physical Review A</i> , <b>1976</b> , 13, 1402-1410	2.6	15
15	Photofragmentation of linear triatomics. <i>Journal of Chemical Physics</i> , <b>1976</b> , 65, 4035-4048	3.8	84
14	Multiphoton molecular dissociation in intense laser fields. <i>Journal of Chemical Physics</i> , <b>1976</b> , 65, 5204-5233	3.8	136
13	Theory of molecular photofragmentation. <i>Journal of Chemical Physics</i> , <b>1976</b> , 65, 3735-3750	3.8	34
12	Time-resolved light scattering from a collisionally perturbed molecular resonance. <i>Journal of Chemical Physics</i> , <b>1976</b> , 64, 3971-3975	3.8	24
11	Collisional perturbations of time-resolved photon scattering from molecular levels. <i>Physical Review A</i> , <b>1975</b> , 12, 947-958	2.6	60
10	Energy gap law for vibrational relaxation of a molecule in a dense medium. <i>Journal of Chemical Physics</i> , <b>1975</b> , 63, 200-207	3.8	201

9	Lifetimes for resonance fluorescence and near resonance Raman scattering. <i>Journal of Chemical Physics</i> , <b>1975</b> , 62, 3609	3.8	84
8	Resonance fluorescence involving optically active continua. <i>Journal of Chemical Physics</i> , <b>1974</b> , 61, 227-2438	3.8	27
7	Molecular photodissociation. <i>Journal of Chemical Physics</i> , <b>1974</b> , 60, 4760-4777	3.8	52
6	Some features of vibrational relaxation of a diatomic molecule in a dense medium. <i>Journal of Chemical Physics</i> , <b>1974</b> , 60, 3929-3934	3.8	210
5	Some anisotropy effects in molecular photoejection spectroscopy. <i>Journal of Chemical Physics</i> , <b>1974</b> , 61, 5348-5357	3.8	39
4	Sequential decay involving multiple continua. <i>Molecular Physics</i> , <b>1974</b> , 27, 1543-1552	1.6	15
3	Interference effects in directional photodissociation. <i>Chemical Physics Letters</i> , <b>1974</b> , 29, 169-173	2.4	13
2	Potential of the A $1\sigma_u^+$ state of He <sub>2</sub> . <i>Molecular Physics</i> , <b>1971</b> , 22, 1107-1117	1.6	10
1	Quantum Susceptibilities in Time-Domain Sampling of Electric Field Fluctuations. <i>Laser and Photonics Reviews</i> , 2100423	6.4	