## Shaul Mukamel

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Soft X-ray Spectroscopy Simulations with Multiconfigurational Wave Function Theory: Spectrum Completeness, Sub-eV Accuracy, and Quantitative Reproduction of Line Shapes. Journal of Chemical Theory and Computation, 2022, 18, 1003-1016.	2.3	11
2	Nonlinear quantum interferometric spectroscopy with entangled photon pairs. Journal of Chemical Physics, 2022, 156, 094202.	1.2	6
3	Entangled two-photon absorption with Brownian-oscillator fluctuations. Journal of Chemical Physics, 2022, 156, 074303.	1.2	3
4	Coupled Electronic and Nuclear Motions during Azobenzene Photoisomerization Monitored by Ultrafast Electron Diffraction. Journal of Chemical Theory and Computation, 2022, 18, 605-613.	2.3	5
5	Femtosecond X-ray Spectroscopy Directly Quantifies Transient Excited-State Mixed Valency. Journal of Physical Chemistry Letters, 2022, 13, 378-386.	2.1	9
6	Quantum Susceptibilities in Timeâ€Đomain Sampling of Electric Field Fluctuations. Laser and Photonics Reviews, 2022, 16, .	4.4	6
7	Polariton ring currents and circular dichroism of Mg-porphyrin in a chiral cavity. Chemical Science, 2022, 13, 1037-1048.	3.7	18
8	Photon Correlation Signals in Coupled-Cavity Polaritons Created by Entangled Light. ACS Photonics, 2022, 9, 938-943.	3.2	2
9	Electronic coherences in nonadiabatic molecular photophysics revealed by time-resolved photoelectron spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2121383119.	3.3	6
10	Transient measurement of phononic states with covariance-based stochastic spectroscopy. Light: Science and Applications, 2022, 11, 44.	7.7	2
11	Wave Packet Control and Simulation Protocol for Entangled Two-Photon Absorption of Molecules. Journal of Chemical Theory and Computation, 2022, 18, 406-414.	2.3	3
12	Optical Cavity Manipulation and Nonlinear UV Molecular Spectroscopy of Conical Intersections in Pyrazine. Journal of the American Chemical Society, 2022, 144, 7758-7767.	6.6	8
13	Imaging Purely Nuclear Quantum Dynamics in Molecules by Combined X-ray and Electron Diffraction. Journal of the American Chemical Society, 2022, 144, 7796-7804.	6.6	12
14	Ultrafast coherent photoexcited dynamics in a trimeric dendrimer probed by X-ray stimulated-Raman signals. Chemical Science, 2022, 13, 6373-6384.	3.7	5
15	Time-Resolved Optical Pump-Resonant X-ray Probe Spectroscopy of 4-Thiouracil: A Simulation Study. Journal of Chemical Theory and Computation, 2022, 18, 3075-3088.	2.3	7
16	Machine learning recognition of protein secondary structures based on two-dimensional spectroscopic descriptors. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2202713119.	3.3	16
17	Monitoring Wavepacket Dynamics at Conical Intersections by Entangled Two-Photon Absorption. ACS Photonics, 2022, 9, 1889-1894.	3.2	4
18	Sensing ultrashort electronic coherent beating at conical intersections by single-electron pulses. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	2

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19	Unique Signatures of Topological Phases in Two-Dimensional THz Spectroscopy. Physical Review Letters, 2022, 129, .	2.9	4
20	Probing Delocalized Current Densities in Selenophene by Resonant X-ray Sum-Frequency Generation. Journal of Chemical Theory and Computation, 2021, 17, 367-375.	2.3	2
21	Signatures of electronic and nuclear coherences in ultrafast molecular x-ray and electron diffraction. Structural Dynamics, 2021, 8, 014101.	0.9	14
22	Monitoring molecular vibronic coherences in a bichromophoric molecule by ultrafast X-ray spectroscopy. Chemical Science, 2021, 12, 5286-5294.	3.7	16
23	High Temporal and Spectral Resolution of Stimulated X-Ray Raman Signals with Stochastic Free-Electron-Laser Pulses. Physical Review X, 2021, 11, .	2.8	8
24	<scp>iSPECTRON</scp> : A simulation interface for linear and nonlinear spectra with abâ€initio quantum chemistry software. Journal of Computational Chemistry, 2021, 42, 644-659.	1.5	14
25	Optical-Cavity Manipulation of Conical Intersections and Singlet Fission in Pentacene Dimers. Journal of Physical Chemistry Letters, 2021, 12, 2052-2056.	2.1	30
26	Manipulating Core Excitations in Molecules by X-Ray Cavities. Physical Review Letters, 2021, 126, 053201.	2.9	13
27	Direct observation of coherent femtosecond solvent reorganization coupled to intramolecular electron transfer. Nature Chemistry, 2021, 13, 343-349.	6.6	59
28	Enhancing Circular Dichroism Signals with Vector Beams. Physical Review Letters, 2021, 126, 123001.	2.9	12
29	Detection of photon statistics and multimode field correlations by Raman processes. Journal of Chemical Physics, 2021, 154, 104116.	1.2	4
30	Hong-Ou-Mandel interferometry and spectroscopy using entangled photons. Communications Physics, 2021, 4, .	2.0	23
31	Selective Enhancement of Spectroscopic Features by Quantum Optimal Control. Physical Review Letters, 2021, 126, 163202.	2.9	10
32	Modulating Charge Separation and Intersystem Crossing in Donor–Switch–Acceptor Systems: A Computational Study. Journal of Physical Chemistry A, 2021, 125, 3088-3094.	1.1	4
33	Unveiling the spatial distribution of molecular coherences at conical intersections by covariance X-ray diffraction signals. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	15
34	An Ab Initio Multiple Cloning Method for Non-Adiabatic Excited-State Molecular Dynamics in NWChem. Journal of Chemical Theory and Computation, 2021, 17, 3629-3643.	2.3	15
35	Heisenberg uncertainty of spatially gated electromagnetic fields. Journal of Chemical Physics, 2021, 154, 174110.	1.2	1
36	Nonadiabatic Molecular Dynamics Study of the Relaxation Pathways of Photoexcited Cyclooctatetraene. Journal of Physical Chemistry Letters, 2021, 12, 5716-5722.	2.1	5

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37	A Machine-Learning Protocol for Ultraviolet Protein-Backbone Absorption Spectroscopy under Environmental Fluctuations. Journal of Physical Chemistry B, 2021, 125, 6171-6178.	1.2	13
38	Resonant Stimulated X-ray Raman Spectroscopy of Mixed-Valence Manganese Complexes. Journal of Physical Chemistry Letters, 2021, 12, 5925-5931.	2.1	7
39	Investigations of Molecular Optical Properties Using Quantum Light and Hong–Ou–Mandel Interferometry. Journal of the American Chemical Society, 2021, 143, 9070-9081.	6.6	20
40	Interferometric spectroscopy with quantum light: Revealing out-of-time-ordering correlators. Journal of Chemical Physics, 2021, 154, 210901.	1.2	13
41	Carrier-Envelope-Phase Modulated Currents in Scanning Tunneling Microscopy. Nano Letters, 2021, 21, 6569-6575.	4.5	3
42	Vibrational Hyper-Raman Molecular Spectroscopy with Entangled Photons. ACS Photonics, 2021, 8, 2722-2727.	3.2	10
43	Diffractive Imaging of Conical Intersections Amplified by Resonant Infrared Fields. Journal of the American Chemical Society, 2021, 143, 13806-13815.	6.6	9
44	Multidimensional four-wave mixing signals detected by quantum squeezed light. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	11
45	Distinguishability and "which pathway―information in multidimensional interferometric spectroscopy with a single entangled photon-pair. Science Advances, 2021, 7, eabj4566.	4.7	10
46	Excited-State Energy Surfaces in Molecules Revealed by Impulsive Stimulated Raman Excitation Profiles. Journal of Physical Chemistry Letters, 2021, 12, 9239-9247.	2.1	12
47	Imaging conical intersection dynamics during azobenzene photoisomerization by ultrafast X-ray diffraction. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	31
48	Manipulating valence and core electronic excitations of a transition-metal complex using UV/Vis and X-ray cavities. Chemical Science, 2021, 12, 8088-8095.	3.7	9
49	Ultrafast Valence-Electron Dynamics in Oxazole Monitored by X-ray Diffraction Following a Stimulated X-ray Raman Excitation. Journal of Physical Chemistry Letters, 2021, 12, 9800-9806.	2.1	12
50	In Silico Ultrafast Nonlinear Spectroscopy Meets Experiments: The Case of Perylene Bisimide Dye. Journal of Chemical Theory and Computation, 2021, 17, 7134-7145.	2.3	6
51	Time-dependent simulation of photocurrent-detected two-dimensional spectroscopy of open systems. Journal of Chemical Physics, 2021, 155, 194113.	1.2	4
52	Photoisomerization transition state manipulation by entangled two-photon absorption. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	7
53	Optical-Cavity Manipulation of Conical Intersections and Singlet Fission Dynamics. , 2021, , .		0
54	Monitoring Molecular Coherences at Conical Intersections via X-ray Raman Spectroscopy and Diffraction with Stochastic Free-Electron-Laser Pulses. , 2021, , .		0

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55	Conical Intersection Passages of Molecules Probed by X-ray Diffraction and Stimulated Raman Spectroscopy. Journal of Physical Chemistry Letters, 2021, 12, 12300-12309.	2.1	17
56	Manipulating nonadiabatic conical intersection dynamics by optical cavities. Chemical Science, 2020, 11, 1290-1298.	3.7	58
57	Stimulated X-ray Raman Imaging of Conical Intersections. Journal of Physical Chemistry Letters, 2020, 11, 33-39.	2.1	8
58	Monitoring aromatic ring-currents in Mg-porphyrin by time-resolved circular dichroism. Physical Chemistry Chemical Physics, 2020, 22, 26605-26613.	1.3	6
59	Chiral Four-Wave Mixing Signals with Circularly Polarized X-ray Pulses. Journal of Chemical Theory and Computation, 2020, 16, 5784-5791.	2.3	4
60	A Machine Learning Protocol for Predicting Protein Infrared Spectra. Journal of the American Chemical Society, 2020, 142, 19071-19077.	6.6	55
61	Manipulating Two-Photon-Absorption of Cavity Polaritons by Entangled Light. Journal of Physical Chemistry Letters, 2020, 11, 8177-8182.	2.1	25
62	Visualizing conical intersection passages via vibronic coherence maps generated by stimulated ultrafast X-ray Raman signals. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24069-24075.	3.3	44
63	Ultrafast spectroscopy and diffraction from XUV to x-ray. Journal of Chemical Physics, 2020, 153, 100401.	1.2	6
64	First Principles Nonadiabatic Excited-State Molecular Dynamics in NWChem. Journal of Chemical Theory and Computation, 2020, 16, 6418-6427.	2.3	20
65	Stimulated X-ray Resonant Raman Spectroscopy of Conical Intersections in Thiophenol. Journal of Physical Chemistry Letters, 2020, 11, 4292-4297.	2.1	12
66	Interferometric two-photon-absorption spectroscopy with three entangled photons. Applied Physics Letters, 2020, 116, .	1.5	8
67	Cooperative Conical Intersection Dynamics of Two Pyrazine Molecules in an Optical Cavity. Journal of Physical Chemistry Letters, 2020, 11, 5555-5562.	2.1	32
68	The Photoionization Time in π-Conjugated Molecular Systems. Journal of Physical Chemistry A, 2020, 124, 5770-5774.	1.1	1
69	Multidimensional four-wave-mixing spectroscopy with squeezed light. Applied Physics Letters, 2020, 116, .	1.5	10
70	Molecular Structure and Modeling of Water–Air and Ice–Air Interfaces Monitored by Sum-Frequency Generation. Chemical Reviews, 2020, 120, 3633-3667.	23.0	97
71	Aggregation-Induced Intersystem Crossing: Rational Design for Phosphorescence Manipulation. Journal of Physical Chemistry B, 2020, 124, 2238-2244.	1.2	29
72	Two-Dimensional Impulsively Stimulated Resonant Raman Spectroscopy of Molecular Excited States. Physical Review X, 2020, 10, .	2.8	15

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73	Energy, Particle, and Photon Fluxes in Molecular Junctions. Journal of Physical Chemistry Letters, 2020, 11, 1762-1766.	2.1	2
74	Roadmap on quantum light spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 072002.	0.6	101
75	Ultrafast Conical Intersection Dynamics Monitored Through Electronic Coherences by Stimulated X-Ray Raman Signals. , 2020, , .		0
76	The role of quantum correlations in entangled two-photon absorption. , 2020, , .		0
77	Manipulating two-photon absorption of cavity polaritons by entangled photon. , 2020, , .		0
78	Monitoring Ultrafast Photoisomerization of Azobenzene by Time-Resolved X-Ray Diffraction. , 2020, , .		0
79	Time and frequency resolved transient-absorption and stimulated-Raman signals of stochastic light. Journal of Chemical Physics, 2019, 151, 044113.	1.2	4
80	Polariton-Assisted Cooperativity of Molecules in Microcavities Monitored by Two-Dimensional Infrared Spectroscopy. Journal of Physical Chemistry Letters, 2019, 10, 4448-4454.	2.1	24
81	Transient X-ray Absorption Spectral Fingerprints of the S <sub>1</sub> Dark State in Uracil. Journal of Physical Chemistry Letters, 2019, 10, 7172-7178.	2.1	25
82	Resonant X-ray Sum-Frequency-Generation Spectroscopy of K-Edges in Acetyl Fluoride. Journal of Chemical Theory and Computation, 2019, 15, 6832-6839.	2.3	5
83	Signatures of Throughâ€5pace Charge Transfer in Twoâ€Photon Absorption of Paracyclophane Derivatives. Bulletin of the Korean Chemical Society, 2019, 40, 1076-1086.	1.0	2
84	CLEO®/Europe-EQEC 2019, One Page Summary Template Femtosecond Covariance Spectroscopy. , 2019, , .		0
85	Direct imaging of ultrafast electron dynamics by X-ray sum frequency generation. EPJ Web of Conferences, 2019, 205, 03004.	0.1	0
86	Monitoring nonadiabatic dynamics in molecules by ultrafast X-Ray diffraction. EPJ Web of Conferences, 2019, 205, 09032.	0.1	0
87	STM Imaging of Electron Migration in Real Space and Time: A Simulation Study. Nano Letters, 2019, 19, 7006-7012.	4.5	13
88	Machine Learning Protocol for Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry Letters, 2019, 10, 6026-6031.	2.1	60
89	Stimulated X-ray Raman and Absorption Spectroscopy of Iron–Sulfur Dimers. Journal of Physical Chemistry Letters, 2019, 10, 6664-6671.	2.1	8
90	Frequency-, Time-, and Wavevector-Resolved Ultrafast Incoherent Diffraction of Noisy X-ray Pulses. Journal of Physical Chemistry Letters, 2019, 10, 5805-5814.	2.1	8

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91	X-ray linear and non-linear spectroscopy of the ESCA molecule. Journal of Chemical Physics, 2019, 151, 114110.	1.2	19
92	Genuine Dynamics vs Cross Phase Modulation Artifacts in Femtosecond Stimulated Raman Spectroscopy. ACS Photonics, 2019, 6, 492-500.	3.2	25
93	X-ray Raman optical activity of chiral molecules. Chemical Science, 2019, 10, 898-908.	3.7	18
94	Monitoring Spontaneous Charge-Density Fluctuations by Single-Molecule Diffraction of Quantum Light. Journal of Physical Chemistry Letters, 2019, 10, 768-773.	2.1	5
95	Probing Molecular Chirality by Orbital-Angular-Momentum-Carrying X-ray Pulses. Journal of Chemical Theory and Computation, 2019, 15, 4180-4186.	2.3	25
96	A neural network protocol for electronic excitations of <i>N</i> -methylacetamide. Proceedings of the United States of America, 2019, 116, 11612-11617.	3.3	55
97	Quantum phase-sensitive diffraction and imaging using entangled photons. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11673-11678.	3.3	24
98	Pyrene, a Test Case for Deep-Ultraviolet Molecular Photophysics. Journal of Physical Chemistry Letters, 2019, 10, 3481-3487.	2.1	35
99	Femtosecond covariance spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5383-5386.	3.3	17
100	Imaging of transition charge densities involving carbon core excitations by all X-ray sum-frequency generation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20170470.	1.6	4
101	Flux-Conserving Diagrammatic Formulation of Optical Spectroscopy of Open Quantum Systems. Journal of Physical Chemistry C, 2019, 123, 29015-29023.	1.5	6
102	Modeling the Ultrafast Response of Twoâ€Magnon Raman Excitations in Antiferromagnets on the Femtosecond Timescale. Annalen Der Physik, 2019, 531, 1900439.	0.9	10
103	Scattering-Based Geometric Shaping of Photon-Photon Interactions. Physical Review Letters, 2019, 123, 260502.	2.9	5
104	Two-dimensional UV spectroscopy: a new insight into the structure and dynamics of biomolecules. Chemical Science, 2019, 10, 9907-9921.	3.7	40
105	Imaging electron-density fluctuations by multidimensional X-ray photon-coincidence diffraction. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 395-400.	3.3	4
106	Towards Accurate Simulation of Two-Dimensional Electronic Spectroscopy. Topics in Current Chemistry Collections, 2019, , 63-112.	0.2	4
107	Exploring the capabilities of optical pump X-ray probe NEXAFS spectroscopy to track photo-induced dynamics mediated by conical intersections. Faraday Discussions, 2019, 221, 245-264.	1.6	25
108	Phase Cycling RT-TDDFT Simulation Protocol for Nonlinear XUV and X-ray Molecular Spectroscopy. Journal of Physical Chemistry Letters, 2018, 9, 1072-1078.	2.1	13

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109	Monitoring polariton dynamics in the LHCII photosynthetic antenna in a microcavity by two-photon coincidence counting. Journal of Chemical Physics, 2018, 148, 074302.	1.2	26
110	The highly excited-state manifold of guanine: calibration for nonlinear electronic spectroscopy simulations. Theoretical Chemistry Accounts, 2018, 137, 1.	0.5	14
111	UV-Light-Induced Vibrational Coherences: The Key to Understand Kasha Rule Violation in <i>trans</i> -Azobenzene. Journal of Physical Chemistry Letters, 2018, 9, 1534-1541.	2.1	96
112	Comprehensive Experimental and Computational Spectroscopic Study of Hexacyanoferrate Complexes in Water: From Infrared to X-ray Wavelengths. Journal of Physical Chemistry B, 2018, 122, 5075-5086.	1.2	40
113	Multidimensional photon correlation spectroscopy of cavity polaritons. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1451-1456.	3.3	23
114	Roadmap of ultrafast x-ray atomic and molecular physics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 032003.	0.6	240
115	Translational and rotational averaging of nonlocal response tensors for nano-shaped light. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 034004.	0.6	3
116	Two-dimensional electronic spectroscopy as a tool for tracking molecular conformations in DNA/RNA aggregates. Faraday Discussions, 2018, 207, 233-250.	1.6	14
117	Attosecond X-ray Diffraction Triggered by Core or Valence Ionization of a Dipeptide. Journal of Chemical Theory and Computation, 2018, 14, 329-338.	2.3	16
118	Impulsive UV-pump/X-ray probe study of vibrational dynamics in glycine. Scientific Reports, 2018, 8, 15466.	1.6	6
119	Multiscale wavelet decomposition of time-resolved X-ray diffraction signals in cyclohexadiene. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10269-10274.	3.3	2
120	Entangled Two-Photon Absorption Spectroscopy. Accounts of Chemical Research, 2018, 51, 2207-2214.	7.6	88
121	Reply to Stirnemann et al.: Frame retardation is the key reason behind the general slowdown of water reorientation dynamics in concentrated electrolytes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4955-E4956.	3.3	1
122	Monitoring Ultrafast Spin Crossover Intermediates in an Iron(II) Complex by Broad Band Stimulated X-ray Raman Spectroscopy. Journal of Physical Chemistry A, 2018, 122, 6524-6531.	1.1	5
123	Electrical Double Layer Probed by Surface-Specific Vibrational Technique. CheM, 2018, 4, 1484-1485.	5.8	6
124	Towards Accurate Simulation of Two-Dimensional Electronic Spectroscopy. Topics in Current Chemistry, 2018, 376, 24.	3.0	23
125	Diffraction-Detected Sum Frequency Generation: Novel Ultrafast X-ray Probe of Molecular Dynamics. Journal of Physical Chemistry Letters, 2018, 9, 3392-3396.	2.1	9
126	Monitoring molecular nonadiabatic dynamics with femtosecond X-ray diffraction. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6538-6547.	3.3	58

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127	X-Ray Sum Frequency Diffraction for Direct Imaging of Ultrafast Electron Dynamics. Physical Review Letters, 2018, 120, 243902.	2.9	30
128	Manipulating Impulsive Stimulated Raman Spectroscopy with a Chirped Probe Pulse. Journal of Physical Chemistry Letters, 2017, 8, 966-974.	2.1	23
129	A Quantum Chemical Interpretation of Two-Dimensional Electronic Spectroscopy of Light-Harvesting Complexes. Journal of the American Chemical Society, 2017, 139, 7558-7567.	6.6	71
130	Monitoring nonadiabatic avoided crossing dynamics in molecules by ultrafast X-ray diffraction. Structural Dynamics, 2017, 4, 054101.	0.9	47
131	Fluorescence spectroscopy of vibronic polaritons of molecular aggregates in optical microcavities. Chemical Physics Letters, 2017, 683, 653-657.	1.2	8
132	On the Simulation of Twoâ€dimensional Electronic Spectroscopy of Indoleâ€containing Peptides. Photochemistry and Photobiology, 2017, 93, 1368-1380.	1.3	13
133	Using coherence to enhance function in chemical and biophysical systems. Nature, 2017, 543, 647-656.	13.7	477
134	Photoinduced molecular chirality probed by ultrafast resonant X-ray spectroscopy. Structural Dynamics, 2017, 4, 044006.	0.9	23
135	Manipulating molecules with quantum light. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3278-3280.	3.3	52
136	Simulating Coherent Multidimensional Spectroscopy of Nonadiabatic Molecular Processes: From the Infrared to the X-ray Regime. Chemical Reviews, 2017, 117, 12165-12226.	23.0	107
137	Discriminating cascading processes in nonlinear optics: A QED analysis based on their molecular and geometric origin. Physical Review A, 2017, 95, .	1.0	3
138	Molecular mechanism of water reorientational slowing down in concentrated ionic solutions. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10023-10028.	3.3	38
139	Comment on "Self-Referenced Coherent Diffraction X-Ray Movie of Ångstrom- and Femtosecond-Scale Atomic Motion― Physical Review Letters, 2017, 119, 069301.	2.9	12
140	Hybrid femtosecond/picosecond pureâ€rotational coherent antiâ€Stokes Raman scattering with chirped probe pulses. Journal of Raman Spectroscopy, 2017, 48, 1881-1886.	1.2	13
141	X-ray circular dichroism signals: a unique probe of local molecular chirality. Chemical Science, 2017, 8, 5969-5978.	3.7	27
142	Utilizing Microcavities To Suppress Third-Order Cascades in Fifth-Order Raman Spectra. Journal of Physical Chemistry Letters, 2017, 8, 3387-3391.	2.1	6
143	Linear and nonlinear frequency- and time-domain spectroscopy with multiple frequency combs. Journal of Chemical Physics, 2017, 147, 094304.	1.2	11
144	Nonlinear optical signals and spectroscopy with quantum light and in microcavitites. , 2017, , .		0

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145	Non-adiabatic dynamics of molecules in optical cavities. Journal of Chemical Physics, 2016, 144, 054309.	1.2	121
146	Nonlinear optical signals and spectroscopy with quantum light. Reviews of Modern Physics, 2016, 88, .	16.4	234
147	Monitoring conical intersections in the ring opening of furan by attosecond stimulated X-ray Raman spectroscopy. Structural Dynamics, 2016, 3, 023601.	0.9	38
148	Two-dimensional infrared spectroscopy of vibrational polaritons of molecules in an optical cavity. Journal of Chemical Physics, 2016, 144, 124115.	1.2	52
149	Cavity Femtochemistry: Manipulating Nonadiabatic Dynamics at Avoided Crossings. Journal of Physical Chemistry Letters, 2016, 7, 2050-2054.	2.1	158
150	Wigner–Lindblad Equations for Quantum Friction. Journal of Physical Chemistry Letters, 2016, 7, 1632-1637.	2.1	16
151	Spectroscopic fingerprints of DNA/RNA pyrimidine nucleobases in third-order nonlinear electronic spectra. Theoretical Chemistry Accounts, 2016, 135, 1.	0.5	28
152	Study of double core hole excitations in molecules by X-ray double-quantum-coherence signals: a multi-configuration simulation. Chemical Science, 2016, 7, 5922-5933.	3.7	18
153	Coherent control of long-range photoinduced electron transfer by stimulated X-ray Raman processes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10001-10006.	3.3	8
154	Non-local real-space analysis of chiral optical signals. Chemical Science, 2016, 7, 6824-6831.	3.7	9
155	Pump-probe spectroscopy using quantum light with two-photon coincidence detection. Physical Review A, 2016, 93, .	1.0	33
156	Monitoring Nonadiabatic Electron-Nuclear Dynamics in Molecules by Attosecond Streaking of Photoelectrons. Physical Review Letters, 2016, 117, 043201.	2.9	35
157	Novel photochemistry of molecular polaritons in optical cavities. Faraday Discussions, 2016, 194, 259-282.	1.6	83
158	Tunable photonic cavity coupled to a voltage-biased double quantum dot system: Diagrammatic nonequilibrium Green's function approach. Physical Review B, 2016, 94, .	1.1	17
159	Giant photon gain in large-scale quantum dot-circuit QED systems. Physical Review B, 2016, 94, .	1.1	14
160	Time-and-frequency-gated photon coincidence counting; a novel multidimensional spectroscopy tool. Physica Scripta, 2016, 91, 083004.	1.2	10
161	Multidimensional resonant nonlinear spectroscopy with coherent broadband x-ray pulses. Physica Scripta, 2016, T169, 014002.	1.2	30
162	Communication: The origin of many-particle signals in nonlinear optical spectroscopy of non-interacting particles. Journal of Chemical Physics, 2016, 145, 041102.	1.2	23

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163	Multiple Decay Mechanisms and 2Dâ€UV Spectroscopic Fingerprints of Singlet Excited Solvated Adenineâ€Uracil Monophosphate. Chemistry - A European Journal, 2016, 22, 7497-7507.	1.7	31
164	Current vs Charge Density Contributions to Nonlinear X-ray Spectroscopy. Journal of Chemical Theory and Computation, 2016, 12, 3959-3968.	2.3	5
165	Nonadiabatic Dynamics May Be Probed through Electronic Coherence in Time-Resolved Photoelectron Spectroscopy. Journal of Chemical Theory and Computation, 2016, 12, 740-752.	2.3	25
166	Coherent Signatures of Conical Interesctions in Ultrafast Raman and Photoelectron Spectroscopy. , 2016, , .		0
167	Nonlinear fluctuations and dissipation in matter revealed by quantum light. Physical Review A, 2015, 91, .	1.0	10
168	Detecting electronic coherence by multidimensional broadband stimulated x-ray Raman signals. Physical Review A, 2015, 92, .	1.0	19
169	Catching Conical Intersections in the Act: Monitoring Transient Electronic Coherences by Attosecond Stimulated X-Ray Raman Signals. Physical Review Letters, 2015, 115, 193003.	2.9	127
170	Stimulated Raman signals at conical intersections: <i>Ab initio</i> surface hopping simulation protocol with direct propagation of the nuclear wave function. Journal of Chemical Physics, 2015, 143, 044117.	1.2	17
171	Non-linear non-local molecular electrodynamics with nano-optical fields. Journal of Chemical Physics, 2015, 143, 164107.	1.2	17
172	On the Resolution Limit of Femtosecond Stimulated Raman Spectroscopy: Modelling Fifthâ€Order Signals with Overlapping Pulses. ChemPhysChem, 2015, 16, 3438-3443.	1.0	27
173	Spectral lineshapes in nonlinear electronic spectroscopy. Physical Chemistry Chemical Physics, 2015, 17, 30925-30936.	1.3	39
174	Two-Dimensional Near Ultraviolet (2DNUV) Spectroscopic Probe of Structural-Dependent Exciton Dynamics in a Protein. Journal of Physical Chemistry B, 2015, 119, 1314-1322.	1.2	10
175	Electroluminescence in Molecular Junctions: A Diagrammatic Approach. Journal of Chemical Theory and Computation, 2015, 11, 4304-4315.	2.3	11
176	Photon-exchange induces optical nonlinearities in harmonic systems. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 065401.	0.6	4
177	Characterizing the Intermediates Compound I and II in the Cytochrome P450 Catalytic Cycle with Nonlinear Xâ€ray Spectroscopy: A Simulation Study. ChemPhysChem, 2015, 16, 2006-2014.	1.0	5
178	Energy flow between spectral components in 2D broadband stimulated Raman spectroscopy. Physical Chemistry Chemical Physics, 2015, 17, 10454-10461.	1.3	23
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