

JÃ©rÃ©my R Rouxel

List of Publications by Year in descending order

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35
papers

613
citations

623734

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840
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupled Electronic and Nuclear Motions during Azobenzene Photoisomerization Monitored by Ultrafast Electron Diffraction. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 605-613.	5.3	5
2	Hard X-ray helical dichroism of disordered molecular media. <i>Nature Photonics</i> , 2022, 16, 570-574.	31.4	20
3	Signatures of electronic and nuclear coherences in ultrafast molecular x-ray and electron diffraction. <i>Structural Dynamics</i> , 2021, 8, 014101.	2.3	14
4	Femtosecond X-ray spectroscopy of haem proteins. <i>Faraday Discussions</i> , 2021, 228, 312-328.	3.2	2
5	Hard X-ray transient grating spectroscopy on bismuth germanate. <i>Nature Photonics</i> , 2021, 15, 499-503.	31.4	31
6	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> , 2021, 118, .	7.1	15
7	Diffraction Imaging of Conical Intersections Amplified by Resonant Infrared Fields. <i>Journal of the American Chemical Society</i> , 2021, 143, 13806-13815.	13.7	9
8	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> , 2021, 118, .	7.1	31
9	Monitoring aromatic ring-currents in Mg-porphyrin by time-resolved circular dichroism. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 26605-26613.	2.8	6
10	Chiral Four-Wave Mixing Signals with Circularly Polarized X-ray Pulses. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 5784-5791.	5.3	4
11	Femtosecond X-ray emission study of the spin cross-over dynamics in haem proteins. <i>Nature Communications</i> , 2020, 11, 4145.	12.8	29
12	Stimulated X-ray Resonant Raman Spectroscopy of Conical Intersections in Thiophenol. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4292-4297.	4.6	12
13	Molecular Structure and Modeling of Water-Air and Ice-Air Interfaces Monitored by Sum-Frequency Generation. <i>Chemical Reviews</i> , 2020, 120, 3633-3667.	47.7	97
14	X-ray absorption linear dichroism at the Ti <i>K</i> -edge of rutile (001) TiO ₂ single crystal. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 425-435.	2.4	7
15	Direct imaging of ultrafast electron dynamics by X-ray sum frequency generation. <i>EPJ Web of Conferences</i> , 2019, 205, 03004.	0.3	0
16	Stimulated X-ray Raman and Absorption Spectroscopy of Iron-Sulfur Dimers. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6664-6671.	4.6	8
17	X-ray Raman optical activity of chiral molecules. <i>Chemical Science</i> , 2019, 10, 898-908.	7.4	18
18	Monitoring Spontaneous Charge-Density Fluctuations by Single-Molecule Diffraction of Quantum Light. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 768-773.	4.6	5

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19	Probing Molecular Chirality by Orbital-Angular-Momentum-Carrying X-ray Pulses. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 4180-4186.	5.3	25
20	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> , 2019, 377, 20170470.	3.4	4
21	X-ray absorption linear dichroism at the Ti K edge of anatase single crystals. <i>Physical Review B</i> , 2019, 100, ...	3.2	21
22	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> , 2019, 116, 395-400.	7.1	4
23	Phase Cycling RT-TDDFT Simulation Protocol for Nonlinear XUV and X-ray Molecular Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1072-1078.	4.6	13
24	Translational and rotational averaging of nonlocal response tensors for nano-shaped light. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 034004.	1.5	3
25	Attosecond X-ray Diffraction Triggered by Core or Valence Ionization of a Dipeptide. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 329-338.	5.3	16
26	Impulsive UV-pump/X-ray probe study of vibrational dynamics in glycine. <i>Scientific Reports</i> , 2018, 8, 15466.	3.3	6
27	Diffraction-Detected Sum Frequency Generation: Novel Ultrafast X-ray Probe of Molecular Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3392-3396.	4.6	9
28	Monitoring molecular nonadiabatic dynamics with femtosecond X-ray diffraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 6538-6547.	7.1	58
29	X-Ray Sum Frequency Diffraction for Direct Imaging of Ultrafast Electron Dynamics. <i>Physical Review Letters</i> , 2018, 120, 243902.	7.8	30
30	Photoinduced molecular chirality probed by ultrafast resonant X-ray spectroscopy. <i>Structural Dynamics</i> , 2017, 4, 044006.	2.3	23
31	X-ray circular dichroism signals: a unique probe of local molecular chirality. <i>Chemical Science</i> , 2017, 8, 5969-5978.	7.4	27
32	Linear and nonlinear frequency- and time-domain spectroscopy with multiple frequency combs. <i>Journal of Chemical Physics</i> , 2017, 147, 094304.	3.0	11
33	Non-local real-space analysis of chiral optical signals. <i>Chemical Science</i> , 2016, 7, 6824-6831.	7.4	9
34	Monitoring Nonadiabatic Electron-Nuclear Dynamics in Molecules by Attosecond Streaking of Photoelectrons. <i>Physical Review Letters</i> , 2016, 117, 043201.	7.8	35
35	Current vs Charge Density Contributions to Nonlinear X-ray Spectroscopy. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 3959-3968.	5.3	5