

JÃ©rÃ©my R Rouxel

List of Publications by Year in descending order

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35
papers

613
citations

623188

14
h-index

610482

24
g-index

36
all docs

36
docs citations

36
times ranked

840
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Structure and Modeling of Water–Air and Ice–Air Interfaces Monitored by Sum-Frequency Generation. <i>Chemical Reviews</i> , 2020, 120, 3633-3667.	23.0	97
2	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.	3.3	58
3	Monitoring Nonadiabatic Electron-Nuclear Dynamics in Molecules by Attosecond Streaking of Photoelectrons. <i>Physical Review Letters</i> , 2016, 117, 043201.	2.9	35
4	Hard X-ray transient grating spectroscopy on bismuth germanate. <i>Nature Photonics</i> , 2021, 15, 499-503.	15.6	31
5	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, .	3.3	31
6	X-Ray Sum Frequency Diffraction for Direct Imaging of Ultrafast Electron Dynamics. <i>Physical Review Letters</i> , 2018, 120, 243902.	2.9	30
7	Femtosecond X-ray emission study of the spin cross-over dynamics in haem proteins. <i>Nature Communications</i> , 2020, 11, 4145.	5.8	29
8	X-ray circular dichroism signals: a unique probe of local molecular chirality. <i>Chemical Science</i> , 2017, 8, 5969-5978.	3.7	27
9	Probing Molecular Chirality by Orbital-Angular-Momentum-Carrying X-ray Pulses. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 4180-4186.	2.3	25
10	Photoinduced molecular chirality probed by ultrafast resonant X-ray spectroscopy. <i>Structural Dynamics</i> , 2017, 4, 044006.	0.9	23
11	X-ray absorption linear dichroism at the Ti K edge of anatase single crystals. <i>Physical Review B</i> , 2019, 100, .	1.1	21
12	Hard X-ray helical dichroism of disordered molecular media. <i>Nature Photonics</i> , 2022, 16, 570-574.	15.6	20
13	X-ray Raman optical activity of chiral molecules. <i>Chemical Science</i> , 2019, 10, 898-908.	3.7	18
14	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.	2.3	16
15	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, .	3.3	15
16	Signatures of electronic and nuclear coherences in ultrafast molecular x-ray and electron diffraction. <i>Structural Dynamics</i> , 2021, 8, 014101.	0.9	14
17	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.	2.1	13
18	Stimulated X-ray Resonant Raman Spectroscopy of Conical Intersections in Thiophenol. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4292-4297.	2.1	12

#	ARTICLE	IF	CITATIONS
19	Linear and nonlinear frequency- and time-domain spectroscopy with multiple frequency combs. <i>Journal of Chemical Physics</i> , 2017, 147, 094304.	1.2	11
20	Non-local real-space analysis of chiral optical signals. <i>Chemical Science</i> , 2016, 7, 6824-6831.	3.7	9
21	Diffraction-Detected Sum Frequency Generation: Novel Ultrafast X-ray Probe of Molecular Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3392-3396.	2.1	9
22	Diffraction Imaging of Conical Intersections Amplified by Resonant Infrared Fields. <i>Journal of the American Chemical Society</i> , 2021, 143, 13806-13815.	6.6	9
23	Stimulated X-ray Raman and Absorption Spectroscopy of Iron-Sulfur Dimers. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6664-6671.	2.1	8
24	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.	1.0	7
25	Impulsive UV-pump/X-ray probe study of vibrational dynamics in glycine. <i>Scientific Reports</i> , 2018, 8, 15466.	1.6	6
26	Monitoring aromatic ring-currents in Mg-porphyrin by time-resolved circular dichroism. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 26605-26613.	1.3	6
27	Current vs Charge Density Contributions to Nonlinear X-ray Spectroscopy. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 3959-3968.	2.3	5
28	Monitoring Spontaneous Charge-Density Fluctuations by Single-Molecule Diffraction of Quantum Light. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 768-773.	2.1	5
29	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.	2.3	5
30	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.	1.6	4
31	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.	3.3	4
32	Chiral Four-Wave Mixing Signals with Circularly Polarized X-ray Pulses. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 5784-5791.	2.3	4
33	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.	0.6	3
34	Femtosecond X-ray spectroscopy of haem proteins. <i>Faraday Discussions</i> , 2021, 228, 312-328.	1.6	2
35	Direct imaging of ultrafast electron dynamics by X-ray sum frequency generation. <i>EPJ Web of Conferences</i> , 2019, 205, 03004.	0.1	0