JÃ©rÃ©my R Rouxel

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8826942/publications.pdf

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35	613	623734	610901
papers	citations	14 h-index	24 g-index

36	36	36	840
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Structure and Modeling of Waterâ€“Air and Iceâ€“Air Interfaces Monitored by Sum-Frequency Generation. Chemical Reviews, 2020, 120, 3633-3667.	47.7	97
2	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.	7.1	58
3	Monitoring Nonadiabatic Electron-Nuclear Dynamics in Molecules by Attosecond Streaking of Photoelectrons. Physical Review Letters, 2016, 117, 043201.	7.8	35
4	Hard X-ray transient grating spectroscopy on bismuth germanate. Nature Photonics, 2021, 15, 499-503.	31.4	31
5	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, .	7.1	31
6	X-Ray Sum Frequency Diffraction for Direct Imaging of Ultrafast Electron Dynamics. Physical Review Letters, 2018, 120, 243902.	7.8	30
7	Femtosecond X-ray emission study of the spin cross-over dynamics in haem proteins. Nature Communications, 2020, 11, 4145.	12.8	29
8	X-ray circular dichroism signals: a unique probe of local molecular chirality. Chemical Science, 2017, 8, 5969-5978.	7.4	27
9	Probing Molecular Chirality by Orbital-Angular-Momentum-Carrying X-ray Pulses. Journal of Chemical Theory and Computation, 2019, 15, 4180-4186.	5.3	25
10	Photoinduced molecular chirality probed by ultrafast resonant X-ray spectroscopy. Structural Dynamics, 2017, 4, 044006.	2.3	23
11	X-ray absorption linear dichroism at the Ti <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>K</mml:mi></mml:math> edge of anatase <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>TiO</mml:mi><mml:mn>2</mml:mn></mml:msub></m single crystals. Physical Review B, 2019, 100, .	3.2	21
12	Hard X-ray helical dichroism of disordered molecular media. Nature Photonics, 2022, 16, 570-574.	31.4	20
13	X-ray Raman optical activity of chiral molecules. Chemical Science, 2019, 10, 898-908.	7.4	18
14	Attosecond X-ray Diffraction Triggered by Core or Valence Ionization of a Dipeptide. Journal of Chemical Theory and Computation, 2018, 14, 329-338.	5.3	16
15	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, .	7.1	15
16	Signatures of electronic and nuclear coherences in ultrafast molecular x-ray and electron diffraction. Structural Dynamics, 2021, 8, 014101.	2.3	14
17	Phase Cycling RT-TDDFT Simulation Protocol for Nonlinear XUV and X-ray Molecular Spectroscopy. Journal of Physical Chemistry Letters, 2018, 9, 1072-1078.	4.6	13
18	Stimulated X-ray Resonant Raman Spectroscopy of Conical Intersections in Thiophenol. Journal of Physical Chemistry Letters, 2020, 11, 4292-4297.	4.6	12

#	Article	IF	Citations
19	Linear and nonlinear frequency- and time-domain spectroscopy with multiple frequency combs. Journal of Chemical Physics, 2017, 147, 094304.	3.0	11
20	Non-local real-space analysis of chiral optical signals. Chemical Science, 2016, 7, 6824-6831.	7.4	9
21	Diffraction-Detected Sum Frequency Generation: Novel Ultrafast X-ray Probe of Molecular Dynamics. Journal of Physical Chemistry Letters, 2018, 9, 3392-3396.	4.6	9
22	Diffractive Imaging of Conical Intersections Amplified by Resonant Infrared Fields. Journal of the American Chemical Society, 2021, 143, 13806-13815.	13.7	9
23	Stimulated X-ray Raman and Absorption Spectroscopy of Ironâ€“Sulfur Dimers. Journal of Physical Chemistry Letters, 2019, 10, 6664-6671.	4.6	8
24	X-ray absorption linear dichroism at the Ti K-edge of rutile (001) TiO₂ single crystal. Journal of Synchrotron Radiation, 2020, 27, 425-435.	2.4	7
25	Impulsive UV-pump/X-ray probe study of vibrational dynamics in glycine. Scientific Reports, 2018, 8, 15466.	3.3	6
26	Monitoring aromatic ring-currents in Mg-porphyrin by time-resolved circular dichroism. Physical Chemistry Chemical Physics, 2020, 22, 26605-26613.	2.8	6
27	Current vs Charge Density Contributions to Nonlinear X-ray Spectroscopy. Journal of Chemical Theory and Computation, 2016, 12, 3959-3968.	5.3	5
28	Monitoring Spontaneous Charge-Density Fluctuations by Single-Molecule Diffraction of Quantum Light. Journal of Physical Chemistry Letters, 2019, 10, 768-773.	4.6	5
29	Coupled Electronic and Nuclear Motions during Azobenzene Photoisomerization Monitored by Ultrafast Electron Diffraction. Journal of Chemical Theory and Computation, 2022, 18, 605-613.	5.3	5
30	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.	3.4	4
31	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.	7.1	4
32	Chiral Four-Wave Mixing Signals with Circularly Polarized X-ray Pulses. Journal of Chemical Theory and Computation, 2020, 16, 5784-5791.	5.3	4
33	Translational and rotational averaging of nonlocal response tensors for nano-shaped light. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 034004.	1.5	3
34	Femtosecond X-ray spectroscopy of haem proteins. Faraday Discussions, 2021, 228, 312-328.	3.2	2
35	Direct imaging of ultrafast electron dynamics by X-ray sum frequency generation. EPJ Web of Conferences, 2019, 205, 03004.	0.3	0