

Jeremy R Rouxel

List of Publications by Citations

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33
papers

317
citations

10
h-index

16
g-index

36
ext. papers

467
ext. citations

9.9
avg, IF

3.92
L-index

#	Paper	IF	Citations
33	Molecular Structure and Modeling of Water-Air and Ice-Air Interfaces Monitored by Sum-Frequency Generation. <i>Chemical Reviews</i> , 2020 , 120, 3633-3667	68.1	43
32	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	11.5	37
31	Monitoring Nonadiabatic Electron-Nuclear Dynamics in Molecules by Attosecond Streaking of Photoelectrons. <i>Physical Review Letters</i> , 2016 , 117, 043201	7.4	24
30	X-Ray Sum Frequency Diffraction for Direct Imaging of Ultrafast Electron Dynamics. <i>Physical Review Letters</i> , 2018 , 120, 243902	7.4	19
29	X-ray circular dichroism signals: a unique probe of local molecular chirality. <i>Chemical Science</i> , 2017 , 8, 5969-5978	9.4	15
28	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,	11.5	14
27	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	6.4	13
26	Photoinduced molecular chirality probed by ultrafast resonant X-ray spectroscopy. <i>Structural Dynamics</i> , 2017 , 4, 044006	3.2	12
25	X-ray Raman optical activity of chiral molecules. <i>Chemical Science</i> , 2019 , 10, 898-908	9.4	12
24	Femtosecond X-ray emission study of the spin cross-over dynamics in haem proteins. <i>Nature Communications</i> , 2020 , 11, 4145	17.4	12
23	Hard X-ray transient grating spectroscopy on bismuth germanate. <i>Nature Photonics</i> ,	33.9	10
22	X-ray absorption linear dichroism at the Ti K edge of anatase TiO ₂ single crystals. <i>Physical Review B</i> , 2019 , 100,	3.3	10
21	Probing Molecular Chirality by Orbital-Angular-Momentum-Carrying X-ray Pulses. <i>Journal of Chemical Theory and Computation</i> , 2019 , 15, 4180-4186	6.4	9
20	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	6.4	9
19	Linear and nonlinear frequency- and time-domain spectroscopy with multiple frequency combs. <i>Journal of Chemical Physics</i> , 2017 , 147, 094304	3.9	9
18	Stimulated X-ray Raman and Absorption Spectroscopy of Iron-Sulfur Dimers. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6664-6671	6.4	7
17	Stimulated X-ray Resonant Raman Spectroscopy of Conical Intersections in Thiophenol. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 4292-4297	6.4	7

16	Diffraction-Detected Sum Frequency Generation: Novel Ultrafast X-ray Probe of Molecular Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 3392-3396	6.4	7
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,	11.5	7
14	Non-local real-space analysis of chiral optical signals. <i>Chemical Science</i> , 2016 , 7, 6824-6831	9.4	6
13	Current vs Charge Density Contributions to Nonlinear X-ray Spectroscopy. <i>Journal of Chemical Theory and Computation</i> , 2016 , 12, 3959-68	6.4	5
12	Impulsive UV-pump/X-ray probe study of vibrational dynamics in glycine. <i>Scientific Reports</i> , 2018 , 8, 15466-9	6.9	5
11	Monitoring Spontaneous Charge-Density Fluctuations by Single-Molecule Diffraction of Quantum Light. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 768-773	6.4	4
10	Monitoring aromatic ring-currents in Mg-porphyrin by time-resolved circular dichroism. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 26605-26613	3.6	4
9	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	3
8	X-ray absorption linear dichroism at the Ti K-edge of rutile (001) TiO single crystal. <i>Journal of Synchrotron Radiation</i> , 2020 , 27, 425-435	2.4	3
7	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	11.5	3
6	Signatures of electronic and nuclear coherences in ultrafast molecular x-ray and electron diffraction. <i>Structural Dynamics</i> , 2021 , 8, 014101	3.2	3
5	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	1.3	2
4	Diffraction Imaging of Conical Intersections Amplified by Resonant Infrared Fields. <i>Journal of the American Chemical Society</i> , 2021 , 143, 13806-13815	16.4	2
3	Chiral Four-Wave Mixing Signals with Circularly Polarized X-ray Pulses. <i>Journal of Chemical Theory and Computation</i> , 2020 , 16, 5784-5791	6.4	0
2	Direct imaging of ultrafast electron dynamics by X-ray sum frequency generation. <i>EPJ Web of Conferences</i> , 2019 , 205, 03004	0.3	
1	Femtosecond X-ray spectroscopy of haem proteins. <i>Faraday Discussions</i> , 2021 , 228, 312-328	3.6	