

# Christian Bressler

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10720291/publications.pdf>

Version: 2024-02-01

54  
papers

4,543  
citations

159585

30  
h-index

155660

55  
g-index

58  
all docs

58  
docs citations

58  
times ranked

3888  
citing authors

#	ARTICLE	IF	CITATIONS
1	A self-referenced in-situ arrival time monitor for X-ray free-electron lasers. <i>Scientific Reports</i> , 2021, 11, 3562.	3.3	5
2	Site-Selective Real-Time Observation of Bimolecular Electron Transfer in a Photocatalytic System Using L-edge X-ray Absorption Spectroscopy**. <i>ChemPhysChem</i> , 2021, 22, 693-700.	2.1	5
3	Spin cascade and doming in ferric hemes: Femtosecond X-ray absorption and X-ray emission studies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21914-21920.	7.1	27
4	Femtosecond X-ray emission study of the spin cross-over dynamics in haem proteins. <i>Nature Communications</i> , 2020, 11, 4145.	12.8	29
5	Exploring the light-induced dynamics in solvated metallogrid complexes with femtosecond pulses across the electromagnetic spectrum. <i>Journal of Chemical Physics</i> , 2020, 152, 214301.	3.0	10
6	Ultrafast X-ray Photochemistry at European XFEL: Capabilities of the Femtosecond X-ray Experiments (FXE) Instrument. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 995.	2.5	35
7	Revealing Hot and Long-Lived Metastable Spin States in the Photoinduced Switching of Solvated Metallogrid Complexes with Femtosecond Optical and X-ray Spectroscopies. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2133-2141.	4.6	11
8	Using Ultrafast X-ray Spectroscopy To Address Questions in Ligand-Field Theory: The Excited State Spin and Structure of $[\text{Fe}(\text{dcp})_2]^{2+}$ . <i>Inorganic Chemistry</i> , 2019, 58, 9341-9350.	4.0	29
9	Tracking multiple components of a nuclear wavepacket in photoexcited Cu(I)-phenanthroline complex using ultrafast X-ray spectroscopy. <i>Nature Communications</i> , 2019, 10, 3606.	12.8	56
10	Spectroscopic Signatures of the Dynamical Hydrophobic Solvation Shell Formation. <i>Journal of Physical Chemistry B</i> , 2019, 123, 2106-2113.	2.6	3
11	Scientific instrument Femtosecond X-ray Experiments (FXE): instrumentation and baseline experimental capabilities. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1432-1447.	2.4	24
12	Structural dynamics upon photoexcitation-induced charge transfer in a dicopper disulfide complex. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6274-6286.	2.8	13
13	Probing Transient Valence Orbital Changes with Picosecond Valence-to-Core X-ray Emission Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2620-2626.	3.1	27
14	Photon Beam Transport and Scientific Instruments at the European XFEL. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 592.	2.5	232
15	Femtosecond X-ray Scattering Study of Ultrafast Photoinduced Structural Dynamics in Solvated $[\text{Co}(\text{terpy})_2]^{3+}$ . <i>Journal of Physical Chemistry C</i> , 2017, 121, 2620-2626.	7.8	86
16	A multi-MHz single-shot data acquisition scheme with high dynamic range: pump-probe X-ray experiments at synchrotrons. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 1409-1423.	2.4	12
17	Observing Solvation Dynamics with Simultaneous Femtosecond X-ray Emission Spectroscopy and X-ray Scattering. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1158-1168.	2.6	85
18	Visualizing the non-equilibrium dynamics of photoinduced intramolecular electron transfer with femtosecond X-ray pulses. <i>Nature Communications</i> , 2015, 6, 6359.	12.8	134

#	ARTICLE	IF	CITATIONS
19	Feasibility of Valence-to-Core X-ray Emission Spectroscopy for Tracking Transient Species. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14571-14578.	3.1	40
20	Optimized Finite Difference Method for the Full-Potential XANES Simulations: Application to Molecular Adsorption Geometries in MOFs and Metal-Ligand Intersystem Crossing Transients. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 4512-4521.	5.3	179
21	Detailed Characterization of a Nanosecond-Lived Excited State: X-ray and Theoretical Investigation of the Quintet State in Photoexcited $[\text{Fe}(\text{terpy})_2]^{2+}$ . <i>Journal of Physical Chemistry C</i> , 2015, 119, 5888-5902.	3.1	72
22	Identifying the major intermediate species by combining time-resolved X-ray solution scattering and X-ray absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 23298-23302.	2.8	15
23	2ÂMHz Tunable Non Collinear Optical Parametric Amplifiers with Pulse Durations Down to 6Âfs. <i>Springer Proceedings in Physics</i> , 2015, , 761-765.	0.2	0
24	Two MHz tunable non collinear optical parametric amplifiers with pulse durations down to 6 fs. <i>Optics Express</i> , 2014, 22, 14964.	3.4	12
25	Tracking excited-state charge and spin dynamics in iron coordination complexes. <i>Nature</i> , 2014, 509, 345-348.	27.8	382
26	Spin-state studies with XES and RIXS: From static to ultrafast. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013, 188, 166-171.	1.7	87
27	Femtosecond X-ray Absorption Spectroscopy at a Hard X-ray Free Electron Laser: Application to Spin Crossover Dynamics. <i>Journal of Physical Chemistry A</i> , 2013, 117, 735-740.	2.5	183
28	Toward Highlighting the Ultrafast Electron Transfer Dynamics at the Optically Dark Sites of Photocatalysts. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1972-1976.	4.6	49
29	Strong Nuclear Ring Currents and Magnetic Fields in Pseudorotating $\text{OsH}_4$ Molecules Induced by Circularly Polarized Laser Pulses. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1261-1295.	3.3	20
30	Probing the Transition from Hydrophilic to Hydrophobic Solvation with Atomic Scale Resolution. <i>Journal of the American Chemical Society</i> , 2011, 133, 12740-12748.	13.7	71
31	Picosecond Time-Resolved X-Ray Emission Spectroscopy: Ultrafast Spin-State Determination in an Iron Complex. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5910-5912.	13.8	99
32	Molecular Structural Dynamics Probed by Ultrafast X-Ray Absorption Spectroscopy. <i>Annual Review of Physical Chemistry</i> , 2010, 61, 263-282.	10.8	150
33	Structural Determination of a Photochemically Active Diplatinum Molecule by Time-Resolved EXAFS Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2711-2714.	13.8	116
34	Vibrational Coherences and Relaxation in the High-Spin State of Aqueous $[\text{Fe}(\text{bpy})_3]^{2+}$ . <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7184-7187.	13.8	164
35	Time-resolved x-ray absorption spectroscopy: Watching atoms dance. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012052.	0.4	9
36	Retrieving photochemically active structures by time-resolved EXAFS spectroscopy. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012054.	0.4	3

#	ARTICLE	IF	CITATIONS
37	Exploiting EXAFS and XANES for time-resolved molecular structures in liquids. Zeitschrift für Kristallographie, 2008, 223, 307-321.	1.1	72
38	EXAFS Structural Determination of the Pt <sub>2</sub> (P <sub>2</sub> O <sub>5</sub> H <sub>2</sub> ) <sub>4</sub> <sup>4-</sup> Anion in Solution. Chimia, 2008, 62, 287-290.	0.6	21
39	Light-Induced Spin Crossover Probed by Ultrafast Optical and X-ray Spectroscopies. Chimia, 2007, 61, 179-183.	0.6	15
40	Observation of the Solvent Shell Reorganization around Photoexcited Atomic Solutes by Picosecond X-ray Absorption Spectroscopy. Journal of the American Chemical Society, 2007, 129, 1530-1531.	13.7	62
41	Ultrafast Nonadiabatic Dynamics of [Fe(bpy) <sub>3</sub> ] <sup>2+</sup> in Solution. Journal of the American Chemical Society, 2007, 129, 8199-8206.	13.7	303
42	Structural Determination of a Short-Lived Excited Iron(II) Complex by Picosecond X-Ray Absorption Spectroscopy. Physical Review Letters, 2007, 98, 057401.	7.8	204
43	Observing molecular structure changes and dynamics in polar solution. , 2007, , 689-731.		1
44	A Full Multiple Scattering Model for the Analysis of Time-Resolved X-ray Difference Absorption Spectra. Journal of Physical Chemistry B, 2006, 110, 14035-14039.	2.6	41
45	Electronic and Molecular Structure of Photoexcited [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> Probed by Picosecond X-ray Absorption Spectroscopy. Journal of the American Chemical Society, 2006, 128, 5001-5009.	13.7	165
46	Broadband Femtosecond Fluorescence Spectroscopy of [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> . Angewandte Chemie - International Edition, 2006, 45, 3174-3176.	13.8	251
47	A setup for ultrafast time-resolved x-ray absorption spectroscopy. Review of Scientific Instruments, 2004, 75, 24-30.	1.3	91
48	Ultrafast X-Ray Absorption Spectroscopy. ChemInform, 2004, 35, no.	0.0	1
49	Ultrafast X-ray Absorption Spectroscopy. Chemical Reviews, 2004, 104, 1781-1812.	47.7	444
50	Observing Photochemical Transients by Ultrafast X-Ray Absorption Spectroscopy. Physical Review Letters, 2003, 90, 047403.	7.8	167
51	Ultrafast time-resolved X-ray absorption spectroscopy of chemical systems. Synchrotron Radiation News, 2003, 16, 12-20.	0.8	24
52	Towards structural dynamics in condensed chemical systems exploiting ultrafast time-resolved x-ray absorption spectroscopy. Journal of Chemical Physics, 2002, 116, 2955-2966.	3.0	65
53	Optimizing a time-resolved X-ray absorption experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 1444-1446.	1.6	16
54	<title>Laser and synchrotron radiation pump-probe x-ray absorption experiment with sub-ns resolution</title>. , 1998, 3451, 108.		10