

# Katharina Kubicek

## List of Publications by Year in descending order

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31  
papers

1,249  
citations

430874

18  
h-index

477307

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1768  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin cascade and doming in ferric hemes: Femtosecond X-ray absorption and X-ray emission studies. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21914-21920.	7.1	27
2	Exploring the light-induced dynamics in solvated metallogrid complexes with femtosecond pulses across the electromagnetic spectrum. Journal of Chemical Physics, 2020, 152, 214301.	3.0	10
3	Ultrafast X-ray Photochemistry at European XFEL: Capabilities of the Femtosecond X-ray Experiments (FXE) Instrument. Applied Sciences (Switzerland), 2020, 10, 995.	2.5	35
4	Revealing Hot and Long-Lived Metastable Spin States in the Photoinduced Switching of Solvated Metallogrid Complexes with Femtosecond Optical and X-ray Spectroscopies. Journal of Physical Chemistry Letters, 2020, 11, 2133-2141.	4.6	11
5	A zone-plate-based two-color spectrometer for indirect X-ray absorption spectroscopy. Journal of Synchrotron Radiation, 2019, 26, 1266-1271.	2.4	5
6	Scientific instrument Femtosecond X-ray Experiments (FXE): instrumentation and baseline experimental capabilities. Journal of Synchrotron Radiation, 2019, 26, 1432-1447.	2.4	24
7	ID-Full Field Microscopy of Elastic and Inelastic Scattering with Transmission off-axis Fresnel Zone Plates. Microscopy and Microanalysis, 2018, 24, 184-185.	0.4	3
8	Disentangling Transient Charge Density and Metal-Ligand Covalency in Photoexcited Ferricyanide with Femtosecond Resonant Inelastic Soft X-ray Scattering. Journal of Physical Chemistry Letters, 2018, 9, 3538-3543.	4.6	42
9	Ligand manipulation of charge transfer excited state relaxation and spin crossover in $[\text{Fe}(\text{2,2}'\text{-bipyridine})_2(\text{CN})_2]$ . Structural Dynamics, 2017, 4, 044030.	2.3	41
10	Geometric and electronic properties in a series of phosphorescent heteroleptic Cu(I) complexes: Crystallographic and computational studies. Polyhedron, 2017, 124, 166-176.	2.2	26
11	Transmission zone plates as analyzers for efficient parallel 2D RIXS-mapping. Scientific Reports, 2017, 7, 8849.	3.3	18
12	Manipulating charge transfer excited state relaxation and spin crossover in iron coordination complexes with ligand substitution. Chemical Science, 2017, 8, 515-523.	7.4	102
13	X-ray emission spectroscopy of bulk liquid water in $\text{e}^{-}$ -mono-man $\text{e}^{-}$ 's land $\text{e}^{-}$ . Journal of Chemical Physics, 2015, 142, 044505.	3.0	32
14	Transition energy measurements in hydrogenlike and heliumlike ions strongly supporting bound-state QED calculations. Physical Review A, 2014, 90, .	2.5	38
15	Reabsorption of Soft X-Ray Emission at High X-Ray Free-Electron Laser Fluences. Physical Review Letters, 2014, 113, 153002.	7.8	33
16	Tracking excited-state charge and spin dynamics in iron coordination complexes. Nature, 2014, 509, 345-348.	27.8	382
17	Probing the Hofmeister Effect with Ultrafast Core-Hole Spectroscopy. Journal of Physical Chemistry B, 2014, 118, 9398-9403.	2.6	22
18	L-Edge X-ray Absorption Spectroscopy of Dilute Systems Relevant to Metalloproteins Using an X-ray Free-Electron Laser. Journal of Physical Chemistry Letters, 2013, 4, 3641-3647.	4.6	64

#	ARTICLE	IF	CITATIONS
19	Studies of highly charged iron ions using electron beam ion traps for interpreting astrophysical spectra. <i>Physica Scripta</i> , 2013, T156, 014001.	2.5	2
20	A step toward probing higher-order Feynman diagrams in few-electron highly charged ions. <i>Physica Scripta</i> , 2013, T156, 014005.	2.5	4
21	Photoionizing trapped highly charged ions with synchrotron radiation. , 2012, , .		0
22	High-precision laser-assisted absolute determination of x-ray diffraction angles. <i>Review of Scientific Instruments</i> , 2012, 83, 013102.	1.3	23
23	X-ray laser spectroscopy with an electron beam ion trap at the free electron laser LCLS. <i>Journal of Physics: Conference Series</i> , 2012, 388, 032037.	0.4	1
24	An unexpectedly low oscillator strength as the origin of the Fe $\alpha$ emission problem. <i>Nature</i> , 2012, 492, 225-228.	27.8	133
25	Resonant and Near-Threshold Photoionization Cross Sections of $^{56}\text{Fe}^{14+}$ . <i>Physical Review Letters</i> , 2010, 105, 183001.	7.8	49
26	Photoionization of $\text{N}^{3+}$ and $\text{Ar}^{8+}$ in an electron beam ion trap by synchrotron radiation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 065003.	1.5	37
27	ON THE TRANSITION RATE OF THE Fe X RED CORONAL LINE. <i>Astrophysical Journal</i> , 2009, 703, 68-73.	4.5	17
28	Two-loop QED contributions tests with mid-Z He-like ions. <i>Journal of Physics: Conference Series</i> , 2009, 163, 012007.	0.4	9
29	Photoionization of ions in arbitrary charge states by synchrotron radiation in an electron beam ion trap. <i>Journal of Physics: Conference Series</i> , 2009, 194, 012009.	0.4	7
30	Testing QED Screening and Two-Loop Contributions with He-Like Ions. <i>Physical Review Letters</i> , 2007, 99, 113001.	7.8	52
31	CHAPTER 15. Ultrafast Time Structure Imprints in Complex Chemical and Biochemical Reactions. <i>RSC Energy and Environment Series</i> , 0, , 301-322.	0.5	0