Benjamin E Van Kuiken

List of Publications by Year
in descending order

25	766	567281 15	610901 24
papers	citations	h-index	g-index

26	26	26	1161
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Linear-Response and Real-Time Time-Dependent Density Functional Theory Studies of Core-Level Near-Edge X-Ray Absorption. Journal of Chemical Theory and Computation, 2012, 8, 3284-3292.	5.3	192
2	Probing the Electronic Structure of a Photoexcited Solar Cell Dye with Transient X-ray Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2012, 3, 1695-1700.	4.6	63
3	Simulating Ru L₃-Edge X-ray Absorption Spectroscopy with Time-Dependent Density Functional Theory: Model Complexes and Electron Localization in Mixed-Valence Metal Dimers. Journal of Physical Chemistry A, 2013, 117, 4444-4454.	2.5	59
4	Probing the Photoinduced Metalâ^'Nitrosyl Linkage Isomerism of Sodium Nitroprusside in Solution Using Transient Infrared Spectroscopy. Journal of the American Chemical Society, 2011, 133, 5255-5262.	13.7	57
5	Time-Resolved X-ray Spectroscopy in the Water Window: Elucidating Transient Valence Charge Distributions in an Aqueous Fe(II) Complex. Journal of Physical Chemistry Letters, 2016, 7, 465-470.	4.6	50
6	A laboratory spectrometer for high throughput X-ray emission spectroscopy in catalysis research. Review of Scientific Instruments, 2018, 89, 113111.	1.3	37
7	Ultrafast Independent Nâ^'H and Nâ^'C Bond Deformation Investigated with Resonant Inelastic Xâ€Ray Scattering. Angewandte Chemie - International Edition, 2017, 56, 6088-6092.	13.8	36
8	Simulating Picosecond Iron K-Edge X-ray Absorption Spectra by ab Initio Methods To Study Photoinduced Changes in the Electronic Structure of Fe(II) Spin Crossover Complexes. Journal of Physical Chemistry A, 2011, 115, 10749-10761.	2.5	27
9	On the Role of High-Frequency Intramolecular Vibrations in Ultrafast Back-Electron Transfer Reactions. Journal of Physical Chemistry Letters, 2011, 2, 2252-2257.	4.6	25
10	A Guided Self-Consistent-Field Method for Excited-State Wave Function Optimization: Applications to Ligand-Field Transitions in Transition-Metal Complexes. Journal of Chemical Theory and Computation, 2013, 9, 3933-3938.	5.3	24
11	Multiadsorption and Coadsorption of Hydrogen on Model Conjugated Systems. Journal of Physical Chemistry C, 2009, 113, 12571-12579.	3.1	22
12	Measuring Spin-Allowed and Spin-Forbidden dâ€“d Excitations in Vanadium Complexes with 2p3d Resonant Inelastic X-ray Scattering. Inorganic Chemistry, 2016, 55, 11497-11501.	4.0	22
13	Probing the Valence Electronic Structure of Low-Spin Ferrous and Ferric Complexes Using 2p3d Resonant Inelastic X-ray Scattering (RIXS). Inorganic Chemistry, 2018, 57, 9515-9530.	4.0	22
14	Investigating vibrational anharmonic couplings in cyanide-bridged transition metal mixed valence complexes using two-dimensional infrared spectroscopy. Journal of Chemical Physics, 2014, 140, 084505.	3.0	20
15	Picosecond sulfur K-edge X-ray absorption spectroscopy with applications to excited state proton transfer. Structural Dynamics, 2017, 4, 044021.	2.3	15
16	Measurement of the Ligand Field Spectra of Ferrous and Ferric Iron Chlorides Using 2p3d RIXS. Inorganic Chemistry, 2017, 56, 8203-8211.	4.0	15
17	Electronic Spectra of Ironâ€“Sulfur Complexes Measured by 2p3d RIXS Spectroscopy. Inorganic Chemistry, 2018, 57, 7355-7361.	4.0	15
18	Calcium Valence-to-Core X-ray Emission Spectroscopy: A Sensitive Probe of Oxo Protonation in Structural Models of the Oxygen-Evolving Complex. Inorganic Chemistry, 2019, 58, 16292-16301.	4.0	15

#	Article	IF	Citations
19	Ligand Protonation Triggers H₂ Release from a Dinickel Dihydride Complex to Give a Doubly â€œTâ€â€Shaped Dinickel(I) Metallodiradical. Angewandte Chemie - International Edition, 2021, 60, 1891-1896.	13.8	13
20	Following Metal-to-Ligand Charge-Transfer Dynamics with Ligand and Spin Specificity Using Femtosecond Resonant Inelastic X-ray Scattering at the Nitrogen K-Edge. Journal of Physical Chemistry Letters, 2021, 12, 6676-6683.	4.6	12
21	Nonequilibrium subâ€“10 nm spin-wave soliton formation in FePt nanoparticles. Science Advances, 2022, 8, eabn0523.	10.3	10
22	Ab initio simulations of complementary K-edges and solvatization effects for detection of proton transfer in aqueous 2-thiopyridone. Journal of Chemical Physics, 2019, 151, 114117.	3.0	8
23	Ligand Protonation Triggers H 2 Release from a Dinickel Dihydride Complex to Give a Doubly â€œTâ€â€Shaped Dinickel(I) Metallodiradical. Angewandte Chemie, 2021, 133, 1919-1924.	2.0	4
24	Untersuchung unabhÃngiger Nâ€Hâ€•und Nâ€Câ€Bindungsverformungen auf ultrakurzen Zeitskalen mit resonanter inelastischer RÃ¶ntgenstreuung. Angewandte Chemie, 2017, 129, 6184-6188.	2.0	3
25	InnenrÃ¼cktitelbild: Untersuchung unabhÃngiger Nâ€Hâ€•und Nâ€Câ€Bindungsverformungen auf ultrakurzen Zeitskalen mit resonanter inelastischer RÃ¶ntgenstreuung (Angew. Chem. 22/2017). Angewandte Chemie, 2017, 129, 6441-6441.	2.0	0