

Benjamin E Van Kuiken

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

766
citations

567281

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h-index

610901

24
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26
all docs

26
docs citations

26
times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonequilibrium sub-10 nm spin-wave soliton formation in FePt nanoparticles. <i>Science Advances</i> , 2022, 8, eabn0523.	10.3	10
2	Ligand Protonation Triggers H ₂ Release from a Dinickel Dihydride Complex to Give a Doubly π -Shaped Dinickel(I) Metallodiradical. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1891-1896.	13.8	13
3	Ligand Protonation Triggers H ₂ Release from a Dinickel Dihydride Complex to Give a Doubly π -Shaped Dinickel(I) Metallodiradical. <i>Angewandte Chemie</i> , 2021, 133, 1919-1924.	2.0	4
4	Following Metal-to-Ligand Charge-Transfer Dynamics with Ligand and Spin Specificity Using Femtosecond Resonant Inelastic X-ray Scattering at the Nitrogen K-Edge. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6676-6683.	4.6	12
5	Calcium Valence-to-Core X-ray Emission Spectroscopy: A Sensitive Probe of Oxo Protonation in Structural Models of the Oxygen-Evolving Complex. <i>Inorganic Chemistry</i> , 2019, 58, 16292-16301.	4.0	15
6	Ab initio simulations of complementary K-edges and solvation effects for detection of proton transfer in aqueous 2-thiopyridone. <i>Journal of Chemical Physics</i> , 2019, 151, 114117.	3.0	8
7	A laboratory spectrometer for high throughput X-ray emission spectroscopy in catalysis research. <i>Review of Scientific Instruments</i> , 2018, 89, 113111.	1.3	37
8	Electronic Spectra of Iron-Sulfur Complexes Measured by 2p3d RIXS Spectroscopy. <i>Inorganic Chemistry</i> , 2018, 57, 7355-7361.	4.0	15
9	Probing the Valence Electronic Structure of Low-Spin Ferrous and Ferric Complexes Using 2p3d Resonant Inelastic X-ray Scattering (RIXS). <i>Inorganic Chemistry</i> , 2018, 57, 9515-9530.	4.0	22
10	Ultrafast Independent N-H and N-C Bond Deformation Investigated with Resonant Inelastic X-ray Scattering. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6088-6092.	13.8	36
11	Picosecond sulfur K-edge X-ray absorption spectroscopy with applications to excited state proton transfer. <i>Structural Dynamics</i> , 2017, 4, 044021.	2.3	15
12	Untersuchung unabhängiger N-H- und N-C-Bindungsverformungen auf ultrakurzen Zeitskalen mit resonanter inelastischer Röntgenstreuung. <i>Angewandte Chemie</i> , 2017, 129, 6184-6188.	2.0	3
13	Innenrücktitelbild: Untersuchung unabhängiger N-H- und N-C-Bindungsverformungen auf ultrakurzen Zeitskalen mit resonanter inelastischer Röntgenstreuung (<i>Angew. Chem.</i> 22/2017). <i>Angewandte Chemie</i> , 2017, 129, 6441-6441.	2.0	0
14	Measurement of the Ligand Field Spectra of Ferrous and Ferric Iron Chlorides Using 2p3d RIXS. <i>Inorganic Chemistry</i> , 2017, 56, 8203-8211.	4.0	15
15	Measuring Spin-Allowed and Spin-Forbidden d-d Excitations in Vanadium Complexes with 2p3d Resonant Inelastic X-ray Scattering. <i>Inorganic Chemistry</i> , 2016, 55, 11497-11501.	4.0	22
16	Time-Resolved X-ray Spectroscopy in the Water Window: Elucidating Transient Valence Charge Distributions in an Aqueous Fe(II) Complex. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 465-470.	4.6	50
17	Investigating vibrational anharmonic couplings in cyanide-bridged transition metal mixed valence complexes using two-dimensional infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2014, 140, 084505.	3.0	20
18	A Guided Self-Consistent-Field Method for Excited-State Wave Function Optimization: Applications to Ligand-Field Transitions in Transition-Metal Complexes. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 3933-3938.	5.3	24

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19	Simulating Ru L ₃ -Edge X-ray Absorption Spectroscopy with Time-Dependent Density Functional Theory: Model Complexes and Electron Localization in Mixed-Valence Metal Dimers. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4444-4454.	2.5	59
20	Linear-Response and Real-Time Time-Dependent Density Functional Theory Studies of Core-Level Near-Edge X-Ray Absorption. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 3284-3292.	5.3	192
21	Probing the Electronic Structure of a Photoexcited Solar Cell Dye with Transient X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1695-1700.	4.6	63
22	Probing the Photoinduced Metal-Nitrosyl Linkage Isomerism of Sodium Nitroprusside in Solution Using Transient Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 5255-5262.	13.7	57
23	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. <i>Journal of Physical Chemistry A</i> , 2011, 115, 10749-10761.	2.5	27
24	On the Role of High-Frequency Intramolecular Vibrations in Ultrafast Back-Electron Transfer Reactions. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2252-2257.	4.6	25
25	Multiadsorption and Coadsorption of Hydrogen on Model Conjugated Systems. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12571-12579.	3.1	22