Kochise C Bennett

List of Publications by Year
in descending order

25	1,002	471061 17	580395 25
papers	citations	h-index	g-index

25	25	25	1036
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cavity Femtochemistry: Manipulating Nonadiabatic Dynamics at Avoided Crossings. Journal of Physical Chemistry Letters, 2016, 7, 2050-2054.	2.1	158
2	Catching Conical Intersections in the Act: Monitoring Transient Electronic Coherences by Attosecond Stimulated X-Ray Raman Signals. Physical Review Letters, 2015, 115, 193003.	2.9	127
3	Non-adiabatic dynamics of molecules in optical cavities. Journal of Chemical Physics, 2016, 144, 054309.	1.2	121
4	Simulating Coherent Multidimensional Spectroscopy of Nonadiabatic Molecular Processes: From the Infrared to the X-ray Regime. Chemical Reviews, 2017, 117, 12165-12226.	23.0	107
5	Novel photochemistry of molecular polaritons in optical cavities. Faraday Discussions, 2016, 194, 259-282.	1.6	83
6	Monitoring molecular nonadiabatic dynamics with femtosecond X-ray diffraction. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6538-6547.	3.3	58
7	Multiresolution 3D-DenseNet for Chemical Shift Prediction in NMR Crystallography. Journal of Physical Chemistry Letters, 2019, 10, 4558-4565.	2.1	38
8	Monitoring Nonadiabatic Electron-Nuclear Dynamics in Molecules by Attosecond Streaking of Photoelectrons. Physical Review Letters, 2016, 117, 043201.	2.9	35
9	Multidimensional resonant nonlinear spectroscopy with coherent broadband x-ray pulses. Physica Scripta, 2016, T169, 014002.	1.2	30
10	X-Ray Sum Frequency Diffraction for Direct Imaging of Ultrafast Electron Dynamics. Physical Review Letters, 2018, 120, 243902.	2.9	30
11	Time-, frequency-, and wavevector-resolved x-ray diffraction from single molecules. Journal of Chemical Physics, 2014, 140, 204311.	1.2	29
12	Accurate prediction of chemical shifts for aqueous protein structure on â€œReal Worldâ€•data. Chemical Science, 2020, 11, 3180-3191.	3.7	26
13	Nonadiabatic Dynamics May Be Probed through Electronic Coherence in Time-Resolved Photoelectron Spectroscopy. Journal of Chemical Theory and Computation, 2016, 12, 740-752.	2.3	25
14	Probing electronic and vibrational dynamics in molecules by time-resolved photoelectron, Auger-electron, and X-ray photon scattering spectroscopy. Faraday Discussions, 2015, 177, 405-428.	1.6	20
15	Strong Anisotropy in Liquid Water upon Librational Excitation Using Terahertz Laser Fields. Journal of Physical Chemistry B, 2020, 124, 4989-5001.	1.2	20
16	Detecting electronic coherence by multidimensional broadband stimulated x-ray Raman signals. Physical Review A, 2015, 92, .	1.0	19
17	Study of double core hole excitations in molecules by X-ray double-quantum-coherence signals: a multi-configuration simulation. Chemical Science, 2016, 7, 5922-5933.	3.7	18
18	Cascading and local-field effects in non-linear optics revisited: A quantum-field picture based on exchange of photons. Journal of Chemical Physics, 2014, 140, 044313.	1.2	12

#	Article	IF	Citations
19	Comment on â€œSelf-Referenced Coherent Diffraction X-Ray Movie of Ã…ngstrom- and Femtosecond-Scale Atomic Motionâ€. Physical Review Letters, 2017, 119, 069301.	2.9	12
20	Linear and nonlinear frequency- and time-domain spectroscopy with multiple frequency combs. Journal of Chemical Physics, 2017, 147, 094304.	1.2	11
21	Multidimensional scattering of attosecond x-ray pulses detected by photon-coincidence. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 124037.	0.6	8
22	Utilizing Microcavities To Suppress Third-Order Cascades in Fifth-Order Raman Spectra. Journal of Physical Chemistry Letters, 2017, 8, 3387-3391.	2.1	6
23	Monitoring Ultrafast Spin Crossover Intermediates in an Iron(II) Complex by Broad Band Stimulated X-ray Raman Spectroscopy. Journal of Physical Chemistry A, 2018, 122, 6524-6531.	1.1	5
24	Discriminating cascading processes in nonlinear optics: A QED analysis based on their molecular and geometric origin. Physical Review A, 2017, 95, .	1.0	3
25	Matter and field spectral densities for multidimensional optical response. Chemical Physics, 2016, 481, 54-59.	0.9	1