Kochise C Bennett

List of Publications by Citations

25 papers	717 citations	14 h-index	25 g-index
25 ext. papers	865 ext. citations	7.6 avg, IF	4.52 L-index

#	Paper	IF	Citations
25	Cavity Femtochemistry: Manipulating Nonadiabatic Dynamics at Avoided Crossings. *Journal of Physical Chemistry Letters*, **2016**, 7, 2050-4	6.4	116
24	Non-adiabatic dynamics of molecules in optical cavities. *Journal of Chemical Physics*, **2016**, 144, 054309	3.9	88
23	Catching Conical Intersections in the Act: Monitoring Transient Electronic Coherences by Attosecond Stimulated X-Ray Raman Signals. *Physical Review Letters*, **2015**, 115, 193003	7.4	87
22	Simulating Coherent Multidimensional Spectroscopy of Nonadiabatic Molecular Processes: From the Infrared to the X-ray Regime. *Chemical Reviews*, **2017**, 117, 12165-12226	68.1	77
21	Novel photochemistry of molecular polaritons in optical cavities. *Faraday Discussions*, **2016**, 194, 259-282	3.6	62
20	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	11.5	37
19	Multidimensional resonant nonlinear spectroscopy with coherent broadband x-ray pulses. *Physica Scripta*, **2016**, T169, 014002	2.6	25
18	Time-, frequency-, and wavevector-resolved x-ray diffraction from single molecules. *Journal of Chemical Physics*, **2014**, 140, 204311	3.9	25
17	Monitoring Nonadiabatic Electron-Nuclear Dynamics in Molecules by Attosecond Streaking of Photoelectrons. *Physical Review Letters*, **2016**, 117, 043201	7.4	24
16	X-Ray Sum Frequency Diffraction for Direct Imaging of Ultrafast Electron Dynamics. *Physical Review Letters*, **2018**, 120, 243902	7.4	19
15	Probing electronic and vibrational dynamics in molecules by time-resolved photoelectron, Auger-electron, and X-ray photon scattering spectroscopy. *Faraday Discussions*, **2015**, 177, 405-28	3.6	18
14	Multiresolution 3D-DenseNet for Chemical Shift Prediction in NMR Crystallography. *Journal of Physical Chemistry Letters*, **2019**, 10, 4558-4565	6.4	17
13	Detecting electronic coherence by multidimensional broadband stimulated x-ray Raman signals. *Physical Review A*, **2015**, 92,	2.6	17
12	Nonadiabatic Dynamics May Be Probed through Electronic Coherence in Time-Resolved Photoelectron Spectroscopy. *Journal of Chemical Theory and Computation*, **2016**, 12, 740-52	6.4	16
11	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	9.4	13
10	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	3.9	12
9	Accurate prediction of chemical shifts for aqueous protein structure on "Real World" data. *Chemical Science*, **2020**, 11, 3180-3191	9.4	11

List of Publications

8	Comment on "Self-Referenced Coherent Diffraction X-Ray Movie of Ångstrom- and Femtosecond-Scale Atomic Motion". *Physical Review Letters*, **2017**, 119, 069301	7.4	11
7	Strong Anisotropy in Liquid Water upon Librational Excitation Using Terahertz Laser Fields. *Journal of Physical Chemistry B*, **2020**, 124, 4989-5001	3.4	11
6	Linear and nonlinear frequency- and time-domain spectroscopy with multiple frequency combs. *Journal of Chemical Physics*, **2017**, 147, 094304	3.9	9
5	Multidimensional scattering of attosecond x-ray pulses detected by photon-coincidence. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2014**, 47, 124037	1.3	8
4	Utilizing Microcavities To Suppress Third-Order Cascades in Fifth-Order Raman Spectra. *Journal of Physical Chemistry Letters*, **2017**, 8, 3387-3391	6.4	6
3	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	2.8	4
2	Discriminating cascading processes in nonlinear optics: A QED analysis based on their molecular and geometric origin. *Physical Review A*, **2017**, 95,	2.6	3
1	Matter and field spectral densities for multidimensional optical response. *Chemical Physics*, **2016**, 481, 54-59	2.3	1