

Jason D Biggs

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28 papers	676 citations	15 h-index	26 g-index
31 ext. papers	723 ext. citations	4.4 avg, IF	3.95 L-index

#	Paper	IF	Citations
28	Monitoring conical intersections in the ring opening of furan by attosecond stimulated X-ray Raman spectroscopy. <i>Structural Dynamics</i> , 2016 , 3, 023601	3.2	30
27	Characterizing the Intermediates Compound I and II in the Cytochrome P450 Catalytic Cycle with Nonlinear X-ray Spectroscopy: A Simulation Study. <i>ChemPhysChem</i> , 2015 , 16, 2006-14	3.2	5
26	Resonant Stimulated X-Ray Raman Spectroscopy of Molecule Following Core Ionization. <i>Springer Proceedings in Physics</i> , 2015 , 584-586	0.2	
25	Monitoring Long-Range Electron Transfer Pathways in Proteins by Stimulated Attosecond Broadband X-ray Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3656-3661	6.4	16
24	Understanding Excitation Energy Transfer in Metalloporphyrin Heterodimers with Different Linkers, Bonding Structures and Geometries through Stimulated X-Ray Raman Spectroscopy. <i>Journal of Modern Optics</i> , 2014 , 61, 558-567	1.1	8
23	Femtosecond stimulated Raman spectroscopy of the cyclobutane thymine dimer repair mechanism: a computational study. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14801-10	16.4	28
22	Two-dimensional x-ray correlation spectroscopy of remote core states. <i>Structural Dynamics</i> , 2014 , 1, 014101	3.2	7
21	Three-dimensional attosecond resonant stimulated X-ray Raman spectroscopy of electronic excitations in core-ionized glycine. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 24323-31	3.6	14
20	Time-, frequency-, and wavevector-resolved x-ray diffraction from single molecules. <i>Journal of Chemical Physics</i> , 2014 , 140, 204311	3.9	25
19	Multidimensional scattering of attosecond x-ray pulses detected by photon-coincidence. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 124037	1.3	8
18	Simulations of Two-dimensional Infrared and Stimulated Resonance Raman Spectra of Photoactive Yellow Protein. <i>Chemical Physics</i> , 2013 , 422,	2.3	2
17	Two-dimensional stimulated resonance Raman spectroscopy study of the Trp-cage peptide folding. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 19457-64	3.6	15
16	Multidimensional attosecond resonant X-ray spectroscopy of molecules: lessons from the optical regime. <i>Annual Review of Physical Chemistry</i> , 2013 , 64, 101-27	15.7	134
15	Multiple Core and Vibronic Coupling Effects in Attosecond Stimulated X-Ray Raman Spectroscopy (SXRS). <i>Journal of Chemical Theory and Computation</i> , 2013 , 9,	6.4	8
14	Multidimensional x-ray spectroscopy of valence and core excitations in cysteine. <i>Journal of Chemical Physics</i> , 2013 , 138, 144303	3.9	21
13	Two-Dimensional Stimulated Ultraviolet Resonance Raman Spectra of Tyrosine and Tryptophan; A Simulation Study. <i>Journal of Raman Spectroscopy</i> , 2013 , 44, 544-559	2.3	24
12	Watching energy transfer in metalloporphyrin heterodimers using stimulated X-ray Raman spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 15597-601	11.5	33

11	Double-core excitations in formamide can be probed by X-ray double-quantum-coherence spectroscopy. <i>Journal of Chemical Physics</i> , 2013 , 138, 144301	3.9	13
10	Dissecting X-Ray Raman Resonances Using Four-Wave Mixing. <i>EPJ Web of Conferences</i> , 2013 , 41, 05040	0.3	
9	Studies of impulsive vibrational influence on ultrafast electronic excitation transfer. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 1683-93	2.8	14
8	Entangled Valence Electron-Hole Dynamics Revealed by Stimulated Attosecond X-ray Raman Scattering. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 2326-2331	6.4	22
7	Manipulating one- and two-dimensional stimulated-x-ray resonant-Raman signals in molecules by pulse polarizations. <i>Physical Review A</i> , 2012 , 86,	2.6	11
6	Core and valence excitations in resonant X-ray spectroscopy using restricted excitation window time-dependent density functional theory. <i>Journal of Chemical Physics</i> , 2012 , 137, 194306	3.9	68
5	Two-dimensional stimulated resonance Raman spectroscopy of molecules with broadband x-ray pulses. <i>Journal of Chemical Physics</i> , 2012 , 136, 174117	3.9	62
4	Coherent nonlinear optical studies of elementary processes in biological complexes: diagrammatic techniques based on the wave function versus the density matrix. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012 , 370, 3709-27	3	23
3	Communication: Comment on the effective temporal and spectral resolution of impulsive stimulated Raman signals. <i>Journal of Chemical Physics</i> , 2011 , 134, 161101	3.9	55
2	Using wave-packet interferometry to monitor the external vibrational control of electronic excitation transfer. <i>Journal of Chemical Physics</i> , 2009 , 131, 224101	3.9	17
1	Calculations of nonlinear wave-packet interferometry signals in the pump-probe limit as tests for vibrational control over electronic excitation transfer. <i>Journal of Chemical Physics</i> , 2009 , 131, 224302	3.9	13