

# T J Graber

## List of Publications by Year in descending order

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30  
papers

1,070  
citations

471509

17  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1539  
citing authors

#	ARTICLE	IF	CITATIONS
1	Time resolved small angle X-ray scattering experiments performed on detonating explosives at the advanced photon source: Calculation of the time and distance between the detonation front and the x-ray beam. Journal of Applied Physics, 2017, 121, .	2.5	28
2	Structural evolution of detonation carbon in composition B by X-ray scattering. AIP Conference Proceedings, 2017, , .	0.4	16
3	Measurement of carbon condensates using small-angle x-ray scattering during detonation of high explosives. AIP Conference Proceedings, 2017, , .	0.4	15
4	Cooperative elastic switching vs. laser heating in [Fe(phen) <sub>2</sub> (NCS) <sub>2</sub> ] spin-crossover crystals excited by a laser pulse. CrystEngComm, 2016, 18, 7269-7275.	2.6	28
5	Measurement of carbon condensates using small-angle x-ray scattering during detonation of the high explosive hexanitrostilbene. Journal of Applied Physics, 2015, 117, .	2.5	55
6	Time- and momentum-resolved probe of heat transport in photo-excited bismuth. Applied Physics Letters, 2013, 102, 181903.	3.3	3
7	Watching a signaling protein function in real time via 100-ps time-resolved Laue crystallography. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19256-19261.	7.1	177
8	Ultrafast spin-state photoswitching in a crystal and slower consecutive processes investigated by femtosecond optical spectroscopy and picosecond X-ray diffraction. Physical Chemistry Chemical Physics, 2012, 14, 6192.	2.8	79
9	Synchrotron Mössbauer spectroscopy using high-speed shutters. Journal of Synchrotron Radiation, 2011, 18, 183-188.	2.4	18
10	BioCARS: a synchrotron resource for time-resolved X-ray science. Journal of Synchrotron Radiation, 2011, 18, 658-670.	2.4	114
11	Optimizing the accuracy and precision of the single-pulse Laue technique for synchrotron photo-crystallography. Journal of Synchrotron Radiation, 2010, 17, 479-485.	2.4	13
12	Protein structural dynamics in solution unveiled via 100-ps time-resolved x-ray scattering. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7281-7286.	7.1	140
13	Picosecond Structural Dynamics at the Advanced Photon Source. Synchrotron Radiation News, 2010, 23, 18-25.	0.8	0
14	Imaging nonequilibrium atomic vibrations with x-ray diffuse scattering. Physical Review B, 2010, 82, 235205-235209.	3.2	44
15	Focusing, collimation and flux throughput at the MCA-CAT bending-magnet beamline at the Advanced Photon Source. Journal of Synchrotron Radiation, 2009, 16, 647-657.	2.4	1
16	Synchrotron X-ray Charge Density Study of Coordination Polymer [Mn(HCOO) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ]. Chemistry - A European Journal, 2007, 13, 9775-9790.	3.3	38
17	Surface oxidation of liquid Sn. Surface Science, 2005, 575, 223-232.	1.9	18
18	Geometry Changes of a Cu(I) Phenanthroline Complex on Photoexcitation in a Confining Medium by Time-Resolved X-ray Diffraction. Journal of the American Chemical Society, 2004, 126, 5980-5981.	13.7	77

#	ARTICLE	IF	CITATIONS
19	Update in a Rietveld analysis program for x-ray powder spectro-diffractometry. Powder Diffraction, 2003, 18, 32-35.	0.2	2
20	Exciton Dispersion and Electronic Excitations in hcpH4e. Physical Review Letters, 2001, 87, 156402.	7.8	17
21	Direct measurement of bending conformations in triatomic dihydride ions. Physical Review A, 1997, 56, 2600-2613.	2.5	8
22	Coulomb explosion of 173-MeVHeH <sup>+</sup> ions traversing carbon foils. Physical Review A, 1997, 55, 2090-2096.	2.5	4
23	Review of crystal diffraction and its application to focusing energetic gamma rays. Experimental Astronomy, 1995, 6, 47-56.	3.7	15
24	Direct observation of nuclear rearrangement in molecules. Physical Review Letters, 1993, 70, 3549-3552.	7.8	19
25	Experimental evidence for anomalous nuclear delocalization in C <sub>2</sub> H <sub>3</sub> <sup>+</sup> . Physical Review Letters, 1993, 71, 4319-4322.	7.8	34
26	CH <sub>2</sub> <sup>+</sup> is bent. Journal of Chemical Physics, 1993, 98, 7725-7729.	3.0	14
27	Influence of multiple scattering on the Coulomb-explosion imaging of fast molecules. Physical Review A, 1992, 46, 194-200.	2.5	42
28	A source of cold molecular ions for Coulomb explosion imaging. Review of Scientific Instruments, 1992, 63, 3569-3574.	1.3	11
29	Measurement of the distribution of bond angles in H <sub>2</sub> O <sup>+</sup> . Journal of Chemical Physics, 1991, 94, 2543-2547.	3.0	20
30	The structures of C <sub>2</sub> H <sup>+</sup> and C <sub>2</sub> H <sub>2</sub> <sup>+</sup> as measured by Coulomb explosion imaging. Journal of Chemical Physics, 1991, 94, 6377-6387.	3.0	20