

# Stephen M Durbin

## List of Publications by Year in descending order

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30  
papers

994  
citations

623734

14  
h-index

552781

26  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced fibronectin adsorption on carbon nanotube/poly(carbonate) urethane: Independent role of surface nano-roughness and associated surface energy. <i>Biomaterials</i> , 2007, 28, 4756-4768.	11.4	231
2	Quantitative Vibrational Dynamics of Iron in Nitrosyl Porphyrins. <i>Journal of the American Chemical Society</i> , 2004, 126, 4211-4227.	13.7	114
3	Nuclear resonance vibrational spectroscopy ? NRVS. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 60-71.	3.5	111
4	Long-Range Reactive Dynamics in Myoglobin. <i>Physical Review Letters</i> , 2001, 86, 4966-4969.	7.8	106
5	Hydration-Induced Far-Infrared Absorption Increase in Myoglobin. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23607-23613.	2.6	62
6	Broadened Far-Infrared Absorption Spectra for Hydrated and Dehydrated Myoglobin. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10077-10082.	2.6	59
7	Iron Normal Mode Dynamics in (Nitrosyl)iron(II)tetraphenylporphyrin from X-ray Nuclear Resonance Data. <i>Biophysical Journal</i> , 2002, 82, 2951-2963.	0.5	53
8	Direct Determination of the Complete Set of Iron Normal Modes in a Porphyrin-Imidazole Model for Carbonmonoxy-heme Proteins: $\text{[Fe(TPP)(CO)(1-Melm)]}$ . <i>Journal of the American Chemical Society</i> , 2003, 125, 6927-6936.	13.7	51
9	Dynamical diffraction in quasicrystals. <i>Physical Review B</i> , 1995, 51, 14976-14979.	3.2	37
10	Fe Vibrational Spectroscopy of Myoglobin and Cytochrome f. <i>Journal of Physical Chemistry B</i> , 2006, 110, 530-536.	2.6	28
11	Surface-induced perturbation of LVAuger spectra. <i>Physical Review Letters</i> , 1989, 63, 1304-1306.	7.8	24
12	Determination of the Complete Set of Iron Normal Modes in the Heme Model Compound $\text{FeIII(OEP)Cl}$ from Nuclear Resonance Vibrational Spectroscopic Data. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11170-11177.	2.6	19
13	X-ray induced optical reflectivity. <i>AIP Advances</i> , 2012, 2, 042151.	1.3	18
14	Vibrational Spectroscopy and Normal-Mode Analysis of Fe(II) Octaethylporphyrin. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13277-13282.	2.6	17
15	Vibrational dynamics of biological molecules: Multi-quantum contributions. <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 2250-2256.	4.0	14
16	Single-Atom Test of All-Atom Empirical Potentials: $\delta\epsilon\%$ Fe in Myoglobin. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18983-18987.	2.6	10
17	X-ray standing wave determination of Mn sublattice occupancy in a $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ mosaic crystal. <i>Journal of Applied Physics</i> , 1988, 64, 2312-2315.	2.5	9
18	Durbin and Gog reply. <i>Physical Review Letters</i> , 1990, 64, 1845-1845.	7.8	9

#	ARTICLE	IF	CITATIONS
19	Intermolecular Dynamics in Crystalline Iron Octaethylporphyrin (FeOEP). Journal of Physical Chemistry B, 2008, 112, 12656-12661.	2.6	7
20	Classical theory of magnetic x-ray scattering. Physical Review B, 1998, 57, 7595-7605.	3.2	3
21	Combined demonstration of non-viscous and viscous flow. American Journal of Physics, 2019, 87, 305-309.	0.7	3
22	Dynamical diffraction of x rays by perfect magnetic crystals. Physical Review B, 1987, 36, 639-643.	3.2	2
23	UHV rotary manipulator with arcsecond resolution for x-ray standing-wave experiments. Review of Scientific Instruments, 1989, 60, 3030-3034.	1.3	2
24	Diamond brilliance. Nature Physics, 2010, 6, 163-164.	16.7	2
25	Effect of Ni and Zn Substitutions for Cu in the 25 K Phase of Bi <sub>2</sub> Sr <sub>2</sub> LaCu <sub>2</sub> O Superconductors. Japanese Journal of Applied Physics, 1996, 35, 3383-3387.	1.5	1
26	X-ray and optical pulse interactions in GaAs. Journal of Applied Physics, 2017, 122, 243101.	2.5	1
27	Time delay measurement in the frequency domain. Journal of Synchrotron Radiation, 2015, 22, 1293-1296.	2.4	1
28	The Advanced Photon Source. Advanced Materials, 1991, 3, 85-86.	21.0	0
29	Natural focusing of x rays from ferroelectric lithium niobate wafers. Applied Physics Letters, 2007, 91, 142909.	3.3	0
30	Proposal for entangled x-ray beams. Journal of Applied Physics, 2022, 131, 224401.	2.5	0