Daniel C Carter

List of Publications by Year
in descending order

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25 papers	9,205 citations	361296 20 h-index	580701 25 g-index
26 all docs	26 docs citations	26 times ranked	8258 citing authors

#	Article	IF	Citations
1	Atomic structure and chemistry of human serum albumin. Nature, 1992, 358, 209-215.	13.7	3,549
2	Structure of Serum Albumin. Advances in Protein Chemistry, 1994, 45, 153-203.	4.4	2,751
3	Conformational Transitions of the Three Recombinant Domains of Human Serum Albumin Depending on pH. Journal of Biological Chemistry, 2000, 275, 3042-3050.	1.6	407
4	The Three Recombinant Domains of Human Serum Albumin. Journal of Biological Chemistry, 1999, 274, 29303-29310.	1.6	365
5	The Atomic Structure of Human Methemalbumin at 1.9 Ã.... Biochemical and Biophysical Research Communications, 2002, 291, 813-819.	1.0	308
6	Engineered Protein Cages for Nanomaterial Synthesis. Journal of the American Chemical Society, 2004, 126, 13282-13286.	6.6	271
7	Structure of human serum albumin. Science, 1990, 249, 302-303.	6.0	256
8	Albumin Binding to FcRn:â€‰ Distinct from the FcRnâ^'IgG Interaction. Biochemistry, 2006, 45, 4983-4990.	1.2	251
9	Preliminary Crystallographic Studies of Four Crystal forms of Serum Albumin. FEBS Journal, 1994, 226, 1049-1052.	0.2	222
10	Threeâ€Dimensional structure of schistosoma japonicum glutathione sâ€transferase fused with a sixâ€amino acid conserved neutralizing epitope of gp41 from hiv. Protein Science, 1994, 3, 2233-2244.	3.1	169
11	Five recombinant fragments of human serum albuminâ€"tools for the characterization of the warfarin binding site. Protein Science, 2000, 9, 1455-1465.	3.1	119
12	Structural studies of several clinically important oncology drugs in complex with human serum albumin. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 5356-5374.	1.1	108
13	X-ray and primary structure of horse serum albumin (Equus caballus) at 0.27-nm resolution. FEBS Journal, 1993, 215, 205-212.	0.2	91
14	Structure of human ferritin L chain. Acta Crystallographica Section D: Biological Crystallography, 2006, 62, 800-806.	2.5	65
15	Protein crystal growth results for shuttle flights STS-26 and STS-29. Journal of Crystal Growth, 1991, 110, 302-311.	0.7	42
16	A comparison between protein crystals grown with vapor diffusion methods in microgravity and protein crystals using a gel liquid-liquid diffusion ground-based method. Journal of Crystal Growth, 1992, 122, 306-309.	0.7	42
17	Diffusion-controlled crystallization apparatus for microgravity (DCAM): flight and ground-based applications. Journal of Crystal Growth, 1999, 196, 602-609.	0.7	33
18	PCAM: a multi-user facility-based protein crystallization apparatus for microgravity. Journal of Crystal Growth, 1999, 196, 610-622.	0.7	28

#	Article	IF	Citations
19	Ferritin nanoparticle technology...A new platform for antigen presentation and vaccine development. Industrial Biotechnology, 2006, 2, 143-147.	0.5	26
20	A crystal of a typical EF-hand protein grown under microgravity diffracts X-rays beyond 0.9Ã... resolution. Journal of Crystal Growth, 1999, 196, 595-601.	0.7	23
21	A Unique Protein Self-Assembling Nanoparticle with Significant Advantages in Vaccine Development and Production. Journal of Nanomaterials, 2020, 2020, 1-10.	1.5	20
22	Reduction in diffuso-convective disturbances in nanovolume protein crystallization experiments. Journal of Applied Crystallography, 2005, 38, 87-90.	1.9	15
23	Microgravity protein crystal growth; results and hardware development. Journal of Crystal Growth, 1991, 109, 12-16.	0.7	13
24	Neutron structure of monoclinic lysozyme crystals produced in microgravity. Journal of Crystal Growth, 2001, 232, 317-325.	0.7	13
25	Fusion Proteins as Alternate Crystallization Paths to Difficult Structure Problems. Protein and Peptide Letters, 1994, 1, 175-178.	0.4	8