Karen McLuskey

List of Publications by Year
in descending order

23 papers	911 citations	623574 14 h-index	677027 22 g-index
23 all docs	23 docs citations	23 times ranked	1228 citing authors

#	Article	IF	Citations
1	Discovery of potent pteridine reductase inhibitors to guide antiparasite drug development. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1448-1453.	3.3	135
2	How Photosynthetic Bacteria Harvest Solar Energy. Journal of Bacteriology, 1999, 181, 3869-3879.	1.0	115
3	Structural factors which control the position of the Q(y) absorption band of bacteriochlorophyll a in purple bacterial antenna complexes. Photosynthesis Research, 2002, 74, 135-141.	1.6	88
4	Crystal structure of a Trypanosoma brucei metacaspase. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7469-7474.	3.3	81
5	Comparative structural analysis of the caspase family with other clan CD cysteine peptidases. Biochemical Journal, 2015, 466, 219-232.	1.7	74
6	The Crystal Structure of the Periplasmic Domain of the Type II Secretion System Protein EpsM From Vibrio cholerae: The Simplest Version of the Ferredoxin Fold. Journal of Molecular Biology, 2004, 338, 585-596.	2.0	62
7	Structure and reactivity of Trypanosoma brucei pteridine reductase: inhibition by the archetypal antifolate methotrexate. Molecular Microbiology, 2006, 61, 1457-1468.	1.2	57
8	Crystal Structure of Leishmania major Oligopeptidase B Gives Insight into the Enzymatic Properties of a Trypanosomatid Virulence Factor. Journal of Biological Chemistry, 2010, 285, 39249-39259.	1.6	53
9	Oligopeptidase B deficient mutants of Leishmania major. Molecular and Biochemical Parasitology, 2011, 175, 49-57.	0.5	37
10	Inhibition ofLeishmania majorpteridine reductase by 2,4,6-triaminoquinazoline: structure of the NADPH ternary complex. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 1780-1785.	2.5	31
11	Structure and reactivity of hydroxypropylphosphonic acid epoxidase in fosfomycin biosynthesis by a cation- and flavin-dependent mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14221-14226.	3.3	31
12	Crystal structures of all-alpha type membrane proteins. European Biophysics Journal, 2010, 39, 723-755.	1.2	27
13	Insight into the Role of Escherichia coli MobB in Molybdenum Cofactor Biosynthesis Based on the High Resolution Crystal Structure. Journal of Biological Chemistry, 2003, 278, 23706-23713.	1.6	25
14	Substrate specificity and the effect of calcium on TrypanosomaÂbrucei metacaspase 2. FEBS Journal, 2013, 280, 2608-2621.	2.2	22
15	Crystal Structure and Activity Studies of the C11 Cysteine Peptidase from Parabacteroides merdae in the Human Gut Microbiome. Journal of Biological Chemistry, 2016, 291, 9482-9491.	1.6	15
16	Ranking Metabolite Sets by Their Activity Levels. Metabolites, 2021, 11, 103.	1.3	14
17	PNT1 Is a C11 Cysteine Peptidase Essential for Replication of the Trypanosome Kinetoplast. Journal of Biological Chemistry, 2016, 291, 9492-9500.	1.6	10
18	Crystallization and preliminary X-ray crystallographic analysis of the B800â€“820 light-harvesting complex from Rhodopseudomonas acidophila strain 7050. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 885-887.	2.5	9

#	Article	IF	Citations
19	A protocol for high throughput methods for the expression and purification of inner membrane proteins. Molecular Membrane Biology, 2008, 25, 599-608.	2.0	8
20	High-throughput identification of purification conditions leads to preliminary crystallization conditions for three inner membrane proteins. Molecular Membrane Biology, 2011, 28, 445-453.	2.0	8
21	Purification, Characterization, and Crystallization of Trypanosoma Metacaspases. Methods in Molecular Biology, 2014, 1133, 203-221.	0.4	6
22	Initiating a crystallographic analysis of recombinant (S)-2-hydroxypropylphosphonic acid epoxidase fromStreptomyces wedmorensis. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 534-536.	0.7	3
23	High-Throughput Methods for the Detection of Protein Overexpression Using Fluorescence Markers. Methods in Cell Biology, 2013, 113, 189-208.	0.5	0