

Thayumanasamy Somasundaram

List of Publications by Year in descending order

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16
papers

1,175
citations

840776

11
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

1345
citing authors

#	ARTICLE	IF	CITATIONS
1	The atomic structure of adeno-associated virus (AAV-2), a vector for human gene therapy. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10405-10410.	7.1	531
2	Actin-Latrunculin A Structure and Function. Journal of Biological Chemistry, 2000, 275, 28120-28127.	3.4	243
3	Induced fit in guanidino kinases—comparison of substrate-free and transition state analog structures of arginine kinase. Protein Science, 2003, 12, 103-111.	7.6	82
4	Polylysine Induces an Antiparallel Actin Dimer That Nucleates Filament Assembly. Journal of Biological Chemistry, 2002, 277, 20999-21006.	3.4	70
5	Refinement of the arginine kinase transition-state analogue complex at 1.2 Å resolution: mechanistic insights. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 2009-2017.	2.5	55
6	The Putative Catalytic Bases Have, at Most, an Accessory Role in the Mechanism of Arginine Kinase. Journal of Biological Chemistry, 2003, 278, 26952-26957.	3.4	44
7	An atomic resolution structure for human fibroblast growth factor 1. Proteins: Structure, Function and Bioinformatics, 2004, 57, 626-634.	2.6	37
8	Spackling the Crack: Stabilizing Human Fibroblast Growth Factor-1 by Targeting the N and C terminus β -Strand Interactions. Journal of Molecular Biology, 2007, 371, 256-268.	4.2	31
9	Expression, purification from inclusion bodies, and crystal characterization of a transition state analog complex of arginine kinase: A model for studying phosphagen kinases. Protein Science, 1997, 6, 444-449.	7.6	22
10	The Structure of Lombricine Kinase. Journal of Biological Chemistry, 2011, 286, 9338-9350.	3.4	20
11	Structure determination of adeno-associated virus 2: three complete virus particles per asymmetric unit. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 959-970.	2.5	17
12	De-icing: recovery of diffraction intensities in the presence of ice rings. Acta Crystallographica Section D: Biological Crystallography, 2010, 66, 741-744.	2.5	10
13	Critical initial real-space refinement in the structure determination of arginine kinase. Acta Crystallographica Section D: Biological Crystallography, 1999, 55, 835-845.	2.5	5
14	Conversion of type I 4:6 to 3:5 β -turn types in human acidic fibroblast growth factor: Effects upon structure, stability, folding, and mitogenic function. Proteins: Structure, Function and Bioinformatics, 2005, 62, 686-697.	2.6	5
15	Optical cell for the study of biological systems under high gas pressures. Review of Scientific Instruments, 1995, 66, 3311-3316.	1.3	3
16	The Eighth Annual Meeting of the Southeastern Association of Shared Resources (SEASR), Atlanta, GA, June 10-11, 2021. , 2021, 32, .		0