Srinivas Niranj Chandrasekaran

List of Publications by Year
in descending order

11	623	933447 10	1372567 10
papers	citations	h-index	g-index

14	14	14	604
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Image-based profiling for drug discovery: due for a machine-learning upgrade?. Nature Reviews Drug Discovery, 2021, 20, 145-159.	46.4	194
2	Rational design of a ligand-controlled protein conformational switch. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6800-6804.	7.1	111
3	Functional Class I and II Amino Acid-activating Enzymes Can Be Coded by Opposite Strands of the Same Gene. Journal of Biological Chemistry, 2015, 290, 19710-19725.	3.4	62
4	The Rodin-Ohno hypothesis that two enzyme superfamilies descended from one ancestral gene: an unlikely scenario for the origins of translation that will not be dismissed. Biology Direct, 2014, 9, 11.	4.6	56
5	Statistical Evaluation of the Rodinâ€“Ohno Hypothesis: Sense/Antisense Coding of Ancestral Class I and II Aminoacyl-tRNA Synthetases. Molecular Biology and Evolution, 2013, 30, 1588-1604.	8.9	47
6	Enhanced Amino Acid Selection in Fully Evolved Tryptophanyl-tRNA Synthetase, Relative to Its Urzyme, Requires Domain Motion Sensed by the D1 Switch, a Remote Dynamic Packing Motif. Journal of Biological Chemistry, 2014, 289, 4367-4376.	3.4	33
7	A modified PATH algorithm rapidly generates transition states comparable to those found by other well established algorithms. Structural Dynamics, 2016, 3, 012101.	2.3	26
8	Molecular dynamics simulations of human and dog gastric lipases: Insights into domain movements. FEBS Letters, 2010, 584, 4599-4605.	2.8	23
9	Combining multi-mutant and modular thermodynamic cycles to measure energetic coupling networks in enzyme catalysis. Structural Dynamics, 2017, 4, 032101.	2.3	17
10	Augmenting the anisotropic network model with torsional potentials improves PATH performance, enabling detailed comparison with experimental rate data. Structural Dynamics, 2017, 4, 032103.	2.3	15
11	10.1063/1.4974218.1. , 2017, , .		0