

Martin R Webb

List of Publications by Year in descending order

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26
papers

1,471
citations

393982

19
h-index

610482

24
g-index

26
all docs

26
docs citations

26
times ranked

1249
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent single-stranded DNA-binding protein from Plasmodium falciparum as a biosensor for single-stranded DNA. PLoS ONE, 2018, 13, e0193272.	1.1	7
2	Development of a range of fluorescent reagentless biosensors for ATP, based on malonyl-coenzyme A synthetase. PLoS ONE, 2017, 12, e0179547.	1.1	2
3	A Continuous Enzyme-Coupled Assay for Triphosphohydrolase Activity of HIV-1 Restriction Factor SAMHD1. Antimicrobial Agents and Chemotherapy, 2015, 59, 186-192.	1.4	38
4	The AddAB helicaseâ€“nuclease catalyses rapid and processive DNA unwinding using a single Superfamily 1A motor domain. Nucleic Acids Research, 2011, 39, 2271-2285.	6.5	39
5	Mechanism of Interaction between Single-Stranded DNA Binding Protein and DNA. Biochemistry, 2010, 49, 843-852.	1.2	59
6	PcrA Helicase Tightly Couples ATP Hydrolysis to Unwinding Double-Stranded DNA, Modulated by the Initiator Protein for Plasmid Replication, RepD. Biochemistry, 2009, 48, 6326-6334.	1.2	42
7	Fluorescent Biosensors to Investigate Helicase Activity. Methods in Molecular Biology, 2009, 587, 13-27.	0.4	3
8	Fluorescent Single-Stranded DNA Binding Protein as a Probe for Sensitive, Real-Time Assays of Helicase Activity. Biophysical Journal, 2008, 95, 3330-3339.	0.2	63
9	Development of fluorescent biosensors for probing the function of motor proteins. Molecular BioSystems, 2007, 3, 249.	2.9	26
10	A Series of Related Nucleotide Analogues that Aids Optimization of Fluorescence Signals in Probing the Mechanism of P-Loop ATPases, Such as Actomyosin. Biochemistry, 2004, 43, 14463-14471.	1.2	31
11	Probing nucleotide dissociation from myosin in vitro using microgram quantities of myosin. Journal of Muscle Research and Cell Motility, 2003, 24, 317-323.	0.9	10
12	A Fluorescent Sensor of the Phosphorylation State of Nucleoside Diphosphate Kinase and Its Use To Monitor Nucleoside Diphosphate Concentrations in Real Time. Biochemistry, 2001, 40, 5087-5094.	1.2	30
13	Uncoupling DNA translocation and helicase activity in PcrA: direct evidence for an active mechanism. EMBO Journal, 2000, 19, 3799-3810.	3.5	141
14	The efficiency of contraction in rabbit skeletal muscle fibres, determined from the rate of release of inorganic phosphate. Journal of Physiology, 1999, 517, 839-854.	1.3	83
15	The Interaction between Rac1 and Its Guanine Nucleotide Dissociation Inhibitor (GDI), Monitored by a Single Fluorescent Coumarin Attached to GDI. Biochemistry, 1999, 38, 6879-6886.	1.2	24
16	Phosphate Release during Microtubule Assembly:Â What Stabilizes Growing Microtubules?â€. Biochemistry, 1999, 38, 8179-8188.	1.2	31
17	Vibrational study of phosphate modes in GDP and GTP and their interaction with magnesium in aqueous solution. , 1998, 4, 219-227.		28
18	Crystal Structure of Phosphate Binding Protein Labeled with a Coumarin Fluorophore, a Probe for Inorganic Phosphate., Biochemistry, 1998, 37, 10381-10385.	1.2	79

#	ARTICLE	IF	CITATIONS
19	Raman Difference Studies of GDP and GTP Binding to c-Harvey ras. <i>Biochemistry</i> , 1998, 37, 11106-11116.	1.2	46
20	Mechanism of Inorganic Phosphate Interaction with Phosphate Binding Protein from <i>Escherichia coli</i> . <i>Biochemistry</i> , 1998, 37, 10370-10380.	1.2	194
21	RAC INTERACTIONS WITH GDI: MECHANISM AND STRUCTURE. <i>Biochemical Society Transactions</i> , 1997, 25, 508S-508S.	1.6	0
22	ATPase kinetics on activation of rabbit and frog permeabilized isometric muscle fibres: a real time phosphate assay. <i>Journal of Physiology</i> , 1997, 501, 125-148.	1.3	106
23	Pathway of processive ATP hydrolysis by kinesin. <i>Nature</i> , 1995, 373, 671-676.	13.7	269
24	Time resolved measurements show that phosphate release is the rate limiting step on myofibrillar ATPases. <i>FEBS Letters</i> , 1995, 364, 59-62.	1.3	56
25	The hydrolysis of ATP that accompanies actin polymerization is essentially irreversible. <i>FEBS Letters</i> , 1988, 235, 211-214.	1.3	57
26	Analysis of the ATPase mechanism of myosin subfragment 1 from insect fibrillar flight muscle in the presence and absence of actin, using phosphate-water oxygen exchange measurements. <i>Journal of Muscle Research and Cell Motility</i> , 1987, 8, 537-540.	0.9	7