Peter J Knight

List of Publications by Year
in descending order

15 papers	1,040 citations	759233 12 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	1138 citing authors

#	Article	IF	Citations
1	Structure of the shutdown state of myosin-2. Nature, 2020, 588, 515-520.	27.8	50
2	A1603P and K1617del, Mutations in Î²-Cardiac Myosin Heavy Chain that Cause Laing Early-Onset Distal Myopathy, Affect Secondary Structure and Filament Formation In Vitro and In Vivo. Journal of Molecular Biology, 2018, 430, 1459-1478.	4.2	12
3	Determining Stable Single Alpha Helical (SAH) Domain Properties by Circular Dichroism and Atomic Force Microscopy. Methods in Molecular Biology, 2018, 1805, 185-211.	0.9	3
4	Characterization of long and stable de novo single alpha-helix domains provides novel insight into their stability. Scientific Reports, 2017, 7, 44341.	3.3	40
5	Myosin tails and single Î±-helical domains. Biochemical Society Transactions, 2015, 43, 58-63.	3.4	9
6	Direct observation shows superposition and large scale flexibility within cytoplasmic dynein motors moving along microtubules. Nature Communications, 2015, 6, 8179.	12.8	63
7	The Inner Centromere Protein (INCENP) Coil Is a Single Î±-Helix (SAH) Domain That Binds Directly to Microtubules and Is Important for Chromosome Passenger Complex (CPC) Localization and Function in Mitosis. Journal of Biological Chemistry, 2015, 290, 21460-21472.	3.4	56
8	Flexibility within the Heads of Muscle Myosin-2 Molecules. Journal of Molecular Biology, 2014, 426, 894-907.	4.2	24
9	Stable Single Î±-Helices Are Constant Force Springs in Proteins. Journal of Biological Chemistry, 2014, 289, 27825-27835.	3.4	54
10	Role of the Tail in the Regulated State of Myosin 2. Journal of Molecular Biology, 2011, 408, 863-878.	4.2	35
11	When a predicted coiled coil is really a single Î±-helix, in myosins and other proteins. Soft Matter, 2009, , .	2.7	19
12	Structures of Smooth Muscle Myosin and Heavy Meromyosin in the Folded, Shutdown State. Journal of Molecular Biology, 2007, 372, 1165-1178.	4.2	117
13	The Predicted Coiled-coil Domain of Myosin 10 Forms a Novel Elongated Domain That Lengthens the Head. Journal of Biological Chemistry, 2005, 280, 34702-34708.	3.4	139
14	The prepower stroke conformation of myosin V. Journal of Cell Biology, 2002, 159, 983-991.	5.2	123
15	Two-headed binding of a processive myosin to F-actin. Nature, 2000, 405, 804-807.	27.8	295