Antonio Pinto

List of Publications by Year in Descending Order

17 papers	531 citations	13 h-index	20 g-index
20 ext. papers	674 ext. citations	4.8 avg, IF	3.36 L-index

#	Paper	IF	Citations
17	O labeling on Ser45 but not on Ser35 supports the cooperative phosphorylation mechanism on tarantula thick filament activation. *Biochemical and Biophysical Research Communications*, **2020**, 524, 198-204	3.4	2
16	The myosin interacting-heads motif present in live tarantula muscle explains tetanic and posttetanic phosphorylation mechanisms. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 11865-11874	11.5	15
15	Interacting-heads motif has been conserved as a mechanism of myosin II inhibition since before the origin of animals. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E1991-E2000	11.5	44
14	Lessons from a tarantula: new insights into myosin interacting-heads motif evolution and its implications on disease. *Biophysical Reviews*, **2018**, 10, 1465-1477	3.7	23
13	Lessons from a tarantula: new insights into muscle thick filament and myosin interacting-heads motif structure and function. *Biophysical Reviews*, **2017**, 9, 461-480	3.7	20
12	Effects of myosin variants on interacting-heads motif explain distinct hypertrophic and dilated cardiomyopathy phenotypes. *ELife*, **2017**, 6,	8.9	87
11	Conserved Intramolecular Interactions Maintain Myosin Interacting-Heads Motifs Explaining Tarantula Muscle Super-Relaxed State Structural Basis. *Journal of Molecular Biology*, **2016**, 428, 1142-1164	6.5	53
10	An invertebrate smooth muscle with striated muscle myosin filaments. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E5660-8	11.5	34
9	Improved Imaging, 3D Reconstruction and Homology Modeling of Tarantula Thick Filaments. *Biophysical Journal*, **2015**, 108, 589a	2.9	2
8	Sequential myosin phosphorylation activates tarantula thick filament via a disorder-order transition. *Molecular BioSystems*, **2015**, 11, 2167-79		15
7	Tarantula myosin free head regulatory light chain phosphorylation stiffens N-terminal extension, releasing it and blocking its docking back. *Molecular BioSystems*, **2015**, 11, 2180-9		19
6	The Inhibited, Interacting-Heads Motif Characterizes Myosin II from the Earliest Animals with Muscles. *Biophysical Journal*, **2015**, 108, 301a	2.9	4
5	Schistosome Muscles Contain Striated Muscle-Like Myosin Filaments in a Smooth Muscle-Like Architecture. *Biophysical Journal*, **2014**, 106, 159a	2.9	5
4	Different head environments in tarantula thick filaments support a cooperative activation process. *Biophysical Journal*, **2013**, 105, 2114-22	2.9	20
3	The myosin interacting-heads motif is present in the relaxed thick filament of the striated muscle of scorpion. *Journal of Structural Biology*, **2012**, 180, 469-78	3.4	29
2	A molecular model of phosphorylation-based activation and potentiation of tarantula muscle thick filaments. *Journal of Molecular Biology*, **2011**, 414, 44-61	6.5	49
1	Three-dimensional reconstruction of tarantula myosin filaments suggests how phosphorylation may regulate myosin activity. *Journal of Molecular Biology*, **2008**, 384, 780-97	6.5	110