Belinda Bullard

List of Publications by Year
in descending order

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53 papers	2,311 citations	201674 27 h-index	214800 47 g-index
54 all docs	54 docs citations	54 times ranked	1544 citing authors

#	Article	IF	Citations
1	Kenneth Charles Holmes 1934â€“2021. Frontiers in Molecular Biosciences, 2022, 9, 855014.	3.5	0
2	The N2A region of titin has a unique structural configuration. Journal of General Physiology, 2021, 153, .	1.9	12
3	Molecular Characterisation of Titin N2A and Its Binding of CARP Reveals a Titin/Actin Cross-linking Mechanism. Journal of Molecular Biology, 2021, 433, 166901.	4.2	22
4	Through thick and thin: dual regulation of insect flight muscle and cardiac muscle compared. Journal of Muscle Research and Cell Motility, 2019, 40, 99-110.	2.0	14
5	Exploration of pathomechanisms triggered by a single-nucleotide polymorphism in titin's I-band: the cardiomyopathy-linked mutation T2580I. Open Biology, 2016, 6, 160114.	3.6	17
6	Toward Understanding the Molecular Bases of Stretch Activation. Journal of Biological Chemistry, 2016, 291, 16090-16099.	3.4	4
7	Sallimus and the Dynamics of Sarcomere Assembly in Drosophila Flight Muscles. Journal of Molecular Biology, 2015, 427, 2151-2158.	4.2	31
8	Binding partners of the kinase domains inDrosophilaobscurin and their effect on the structure of the flight muscle. Journal of Cell Science, 2015, 128, 3386-97.	2.0	24
9	The roles of troponin C isoforms in the mechanical function of Drosophila indirect flight muscle. Journal of Muscle Research and Cell Motility, 2014, 35, 211-223.	2.0	13
10	The function of the M-line protein, obscurin, in controlling the symmetry of the sarcomere in Drosophila flight muscle. Journal of Cell Science, 2012, 125, 3367-79.	2.0	58
11	Binding Properties of the Calcium-Activated F2 Isoform of Lethocerus Troponin C. Biochemistry, 2011, 50, 1839-1847.	2.5	9
12	Regulating the contraction of insect flight muscle. Journal of Muscle Research and Cell Motility, 2011, 32, 303-313.	2.0	50
13	Solution Structure of the Apo C-Terminal Domain of the Lethocerus F1 Troponin C Isoform. Biochemistry, 2010, 49, 1719-1726.	2.5	7
14	Regulation of Oscillatory Contraction in Insect Flight Muscle by Troponin. Journal of Molecular Biology, 2010, 397, 110-118.	4.2	27
15	Drosophila indirect flight muscle specific Act88F actin mutants as a model system for studying congenital myopathies of the human ACTA1 skeletal muscle actin gene. Neuromuscular Disorders, 2010, 20, 363-374.	0.6	23
16	Modular Proteins from the Drosophila sallimus (sls) Gene and their Expression in Muscles with Different Extensibility. Journal of Molecular Biology, 2007, 367, 953-969.	4.2	82
17	The Regulation of Myosin Binding to Actin Filaments by Lethocerus Troponin. Journal of Molecular Biology, 2007, 373, 587-598.	4.2	16
18	The Structure of Lethocerus Troponin C: Insights into the Mechanism of Stretch Activation in Muscles. Structure, 2007, 15, 813-824.	3.3	21

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19	The molecular elasticity of the insect flight muscle proteins projectin and kettin. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4451-4456.	7.1	93
20	The function of elastic proteins in the oscillatory contraction of insect flight muscle. Journal of Muscle Research and Cell Motility, 2006, 26, 479-485.	2.0	50
21	The Thin Filament in Insect Flight Muscle. , 2006, , 141-149.		1
22	High throughput production of mouse monoclonal antibodies using antigen microarrays. Proteomics, 2005, 5, 4070-4081.	2.2	71
23	Myofilin, a protein in the thick filaments of insect muscle. Journal of Cell Science, 2005, 118, 1527-1536.	2.0	52
24	Association of the Chaperone Î±B-crystallin with Titin in Heart Muscle. Journal of Biological Chemistry, 2004, 279, 7917-7924.	3.4	147
25	A troponin switch that regulates muscle contraction by stretch instead of calcium. EMBO Journal, 2004, 23, 772-779.	7.8	84
26	Letter to the Editor: Assignment of the1H,13C, and15N Resonances of Holo Isoform 4 of Lethocerus Indicus Troponin C. Journal of Biomolecular NMR, 2004, 29, 461-462.	2.8	3
27	Structural Studies of Arthrin: Monoubiquitinated Actin. Journal of Molecular Biology, 2004, 341, 1161-1173.	4.2	25
28	The Location of Ubiquitin in Lethocerus Arthrin. Journal of Molecular Biology, 2003, 325, 623-628.	4.2	21
29	Structure of a Drosophila Sigma Class Glutathione S-transferase Reveals a Novel Active Site Topography Suited for Lipid Peroxidation Products. Journal of Molecular Biology, 2003, 326, 151-165.	4.2	109
30	The elasticity of single kettin molecules using a two-bead laser-tweezers assay. FEBS Letters, 2003, 535, 55-60.	2.8	54
31	Troponin C in different insect muscle types: identification of two isoforms in Lethocerus, Drosophila and Anopheles that are specific to asynchronous flight muscle in the adult insect. Biochemical Journal, 2003, 371, 811-821.	3.7	66
32	Varieties of elastic protein in invertebrate muscles. , 2003, , 435-447.		18
33	Varieties of elastic protein in invertebrate muscles. Journal of Muscle Research and Cell Motility, 2002, 23, 435-447.	2.0	64
34	Kettin, a major source of myofibrillar stiffness in Drosophila indirect flight muscle. Journal of Cell Biology, 2001, 154, 1045-1058.	5.2	89
35	Crystallization and preliminary X-ray analysis ofDrosophilaglutathione S-transferase-2. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 725-727.	2.5	3
36	Flightin Is Essential for Thick Filament Assembly and Sarcomere Stability in Drosophila Flight Muscles. Journal of Cell Biology, 2000, 151, 1483-1500.	5.2	101

#	Article	IF	Citations
37	Sequence and expression of the kettin gene in Drosophila melanogaster and Caenorhabditis elegans 1 1Edited by J. Karn. Journal of Molecular Biology, 2000, 296, 435-448.	4.2	44
38	Links in the Chain: The Contribution of Kettin to the Elasticity of Insect Muscles. Advances in Experimental Medicine and Biology, 2000, 481, 207-220.	1.6	18
39	Association of kettin with actin in the Z-disc of insect flight muscle 1 1Edited by J. Karn. Journal of Molecular Biology, 1999, 285, 1549-1562.	4.2	59
40	Interaction of troponin-H and glutathione S-transferase-2 in the indirect flight muscles of Drosophila melanogaster. Journal of Muscle Research and Cell Motility, 1998, 19, 117-127.	2.0	71
41	Effects of calcium and nucleotides on the structure of insect flight muscle thin filaments. Journal of Muscle Research and Cell Motility, 1998, 19, 353-364.	2.0	10
42	A survey of in situ sarcomere extension in mouse skeletal muscle. Journal of Muscle Research and Cell Motility, 1997, 18, 465-472.	2.0	22
43	The Insect Flight Muscle Sarcomere as a Model System for Immunolocalization. Methods, 1996, 10, 219-233.	3.8	1
44	Gold/Fab Immuno Electron Microscopy Localization of Troponin H and Troponin T in Lethocerus Flight Muscle. Journal of Molecular Biology, 1994, 239, 52-67.	4.2	44
45	Mechanics and Protein Content of Insect Flight Muscles. Journal of Experimental Biology, 1992, 168, 57-76.	1.7	39
46	Digestion of proteins associated with the Z-disc by calpain. Journal of Muscle Research and Cell Motility, 1990, 11, 271-279.	2.0	43
47	Troponin of asynchronous flight muscle. Journal of Molecular Biology, 1988, 204, 621-637.	4.2	134
48	Arthrin: A new actin-like protein in insect flight muscle. Journal of Molecular Biology, 1985, 182, 443-454.	4.2	55
49	Contractile proteins of insect flight muscle. Trends in Biochemical Sciences, 1983, 8, 68-70.	7.5	11
50	The site of paramyosin in insect flight muscle and the presence of an unidentified protein between myosin filaments and Z-line. Journal of Molecular Biology, 1977, 115, 417-440.	4.2	50
51	Calcium-Dependent Myosin from Insect Flight Muscles. Journal of General Physiology, 1974, 63, 553-563.	1.9	46
52	The paramyosin of insect flight muscle. Journal of Molecular Biology, 1973, 75, 359-367.	4.2	98
53	The contractile and regulatory proteins of insect flight muscle. Biochemical Journal, 1973, 135, 277-286.	3.7	83