Cris dos Remedios

List of Publications by Year
in descending order

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182 papers	10,236 citations	43973 48 h-index	40881 93 g-index
187 all docs	187 docs citations	187 times ranked	12321 citing authors

#	Article	IF	Citations
1	Dynamics of Cell Generation and Turnover in the Human Heart. Cell, 2015, 161, 1566-1575.	13.5	923
2	Actin Binding Proteins: Regulation of Cytoskeletal Microfilaments. Physiological Reviews, 2003, 83, 433-473.	13.1	873
3	Cardiomyocyte proliferation contributes to heart growth in young humans. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1446-1451.	3.3	610
4	The Translational Landscape of the Human Heart. Cell, 2019, 178, 242-260.e29.	13.5	407
5	Protein Kinase G Modulates Human Myocardial Passive Stiffness by Phosphorylation of the Titin Springs. Circulation Research, 2009, 104, 87-94.	2.0	354
6	Right Ventricular Diastolic Impairment in Patients With Pulmonary Arterial Hypertension. Circulation, 2013, 128, 2016-2025.	1.6	294
7	Cardiac Myosin-Binding Protein C Mutations and Hypertrophic Cardiomyopathy. Circulation, 2009, 119, 1473-1483.	1.6	275
8	Perturbed Length-Dependent Activation in Human Hypertrophic Cardiomyopathy With Missense Sarcomeric Gene Mutations. Circulation Research, 2013, 112, 1491-1505.	2.0	191
9	Neuregulin stimulation of cardiomyocyte regeneration in mice and human myocardium reveals a therapeutic window. Science Translational Medicine, 2015, 7, 281ra45.	5.8	189
10	Current Status of Biomarkers for Prostate Cancer. International Journal of Molecular Sciences, 2013, 14, 11034-11060.	1.8	178
11	Crucial Role for Ca ²⁺ /Calmodulin-Dependent Protein Kinase-II in Regulating Diastolic Stress of Normal and Failing Hearts via Titin Phosphorylation. Circulation Research, 2013, 112, 664-674.	2.0	160
12	Sarcomeric dysfunction in heart failure. Cardiovascular Research, 2007, 77, 649-658.	1.8	150
13	Heart Failureâ€“Associated Changes in RNA Splicing of Sarcomere Genes. Circulation: Cardiovascular Genetics, 2010, 3, 138-146.	5.1	137
14	Myocardial and Systemic Iron Depletion in Heart Failure. Journal of the American College of Cardiology, 2011, 58, 474-480.	1.2	135
15	Contractile Dysfunction Irrespective of the Mutant Protein in Human Hypertrophic Cardiomyopathy With Normal Systolic Function. Circulation: Heart Failure, 2012, 5, 36-46.	1.6	127
16	The role of super-relaxed myosin in skeletal and cardiac muscle. Biophysical Reviews, 2015, 7, 5-14.	1.5	120
17	Ablation of cardiac myosin binding protein-C disrupts the super-relaxed state of myosin in murine cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2016, 94, 65-71.	0.9	113
18	Polarization of Tryptophan Fluorescence from Single Striated Muscle Fibers. Journal of General Physiology, 1972, 59, 103-120.	0.9	110

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19	MYBPC3 mutations are associated with a reduced super-relaxed state in patients with hypertrophic cardiomyopathy. PLoS ONE, 2017, 12, e0180064.	1.1	106
20	Differential changes in titin domain phosphorylation increase myofilament stiffness in failing human hearts. Cardiovascular Research, 2013, 99, 648-656.	1.8	105
21	Formin follows function: a muscle-specific isoform of FHOD3 is regulated by CK2 phosphorylation and promotes myofibril maintenance. Journal of Cell Biology, 2010, 191, 1159-1172.	2.3	102
22	Mutations in MYH7 reduce the force generating capacity of sarcomeres in human familial hypertrophic cardiomyopathy. Cardiovascular Research, 2013, 99, 432-441.	1.8	102
23	A model of cardiac contraction based on novel measurements of tension development in human cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2017, 106, 68-83.	0.9	94
24	Antibody arrays: an embryonic but rapidly growing technology. Drug Discovery Today, 2002, 7, S143-S149.	3.2	89
25	Gene-specific increase in the energetic cost of contraction in hypertrophic cardiomyopathy caused by thick filament mutations. Cardiovascular Research, 2014, 103, 248-257.	1.8	88
26	Acetylation of VGLL4 Regulates Hippo-YAP Signaling and Postnatal Cardiac Growth. Developmental Cell, 2016, 39, 466-479.	3.1	86
27	Contribution of Impaired Parasympathetic Activity to Right Ventricular Dysfunction and Pulmonary Vascular Remodeling in Pulmonary Arterial Hypertension. Circulation, 2018, 137, 910-924.	1.6	83
28	Protein changes observed in pacing-induced heart failure using two-dimensional electrophoresis. Electrophoresis, 1998, 19, 2021-2030.	1.3	82
29	Contractile Dysfunction of Left Ventricular Cardiomyocytes in Patients With Pulmonary Arterial Hypertension. Journal of the American College of Cardiology, 2014, 64, 28-37.	1.2	82
30	Quantitative analysis of myofilament protein phosphorylation in small cardiac biopsies. Proteomics - Clinical Applications, 2007, 1, 1285-1290.	0.8	80
31	OBSCN Mutations Associated with Dilated Cardiomyopathy and Haploinsufficiency. PLoS ONE, 2015, 10, e0138568.	1.1	70
32	Natural genetic variation of the cardiac transcriptome in non-diseased donors and patients with dilated cardiomyopathy. Genome Biology, 2017, 18, 170.	3.8	70
33	Familial dilated cardiomyopathy mutations uncouple troponin I phosphorylation from changes in myofibrillar Ca2+ sensitivity. Cardiovascular Research, 2013, 99, 65-73.	1.8	68
34	Impaired Diastolic Function After Exchange of Endogenous Troponin I With C-Terminal Truncated Troponin I in Human Cardiac Muscle. Circulation Research, 2006, 99, 1012-1020.	2.0	67
35	Distinct hypertrophic cardiomyopathy genotypes result in convergent sarcomeric proteoform profiles revealed by top-down proteomics. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24691-24700.	3.3	67
36	Localization of the phalloidin and nucleotide-binding sites on actin. FEBS Journal, 1987, 162, 583-588.	0.2	66

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37	Protein Changes Contributing to Right Ventricular Cardiomyocyte Diastolic Dysfunction in Pulmonary Arterial Hypertension. Journal of the American Heart Association, 2014, 3, e000716.	1.6	65
38	Long non-coding RNAs link extracellular matrix gene expression to ischemic cardiomyopathy. Cardiovascular Research, 2016, 112, 543-554.	1.8	64
39	Normal passive viscoelasticity but abnormal myofibrillar force generation in human hypertrophic cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2010, 49, 737-745.	0.9	61
40	Effect of troponin I Ser23/24 phosphorylation on Ca2+-sensitivity in human myocardium depends on the phosphorylation background. Journal of Molecular and Cellular Cardiology, 2010, 48, 954-963.	0.9	60
41	Synergistic role of ADP and Ca²⁺ in diastolic myocardial stiffness. Journal of Physiology, 2015, 593, 3899-3916.	1.3	60
42	Actin microcrystals and tubes formed in the presence of gadolinium ions. Nature, 1978, 276, 731-733.	13.7	59
43	Elevated DNase I Levels in Human Idiopathic Dilated Cardiomyopathy: an Indicator of Apoptosis ?. Journal of Molecular and Cellular Cardiology, 1996, 28, 95-101.	0.9	59
44	Truncated titin proteins and titin haploinsufficiency are targets for functional recovery in human cardiomyopathy due to TTN mutations. Science Translational Medicine, 2021, 13, eabd3079.	5.8	59
45	The use of phosphateâ€affinity SDSâ€PAGE to measure the cardiac troponin I phosphorylation site distribution in human heart muscle. Proteomics - Clinical Applications, 2009, 3, 1371-1382.	0.8	58
46	Coxsackie and Adenovirus Receptor Is a Modifier of Cardiac Conduction and Arrhythmia Vulnerability in the Setting of Myocardial Ischemia. Journal of the American College of Cardiology, 2014, 63, 549-559.	1.2	58
47	MLP and CARP are linked to chronic PKCÎ± signalling in dilated cardiomyopathy. Nature Communications, 2016, 7, 12120.	5.8	58
48	Proteomic and Functional Studies Reveal Detyrosinated Tubulin as Treatment Target in Sarcomere Mutation-Induced Hypertrophic Cardiomyopathy. Circulation: Heart Failure, 2021, 14, e007022.	1.6	58
49	Length-dependent activation is modulated by cardiac troponin I bisphosphorylation at Ser23 and Ser24 but not by Thr143 phosphorylation. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1171-H1181.	1.5	56
50	Spatial relationship between the nucleotide-binding site, Lys-61 and Cys-374 in actin and a conformational change induced by myosin subfragment-1 binding. FEBS Journal, 1987, 168, 339-345.	0.2	54
51	PKC and PKN in heart disease. Journal of Molecular and Cellular Cardiology, 2019, 128, 212-226.	0.9	50
52	Intercalated discs: multiple proteins perform multiple functions in non-failing and failing human hearts. Biophysical Reviews, 2009, 1, 43-49.	1.5	49
53	MicroRNA transcriptome profiling in cardiac tissue of hypertrophic cardiomyopathy patients with MYBPC3 mutations. Journal of Molecular and Cellular Cardiology, 2013, 65, 59-66.	0.9	49
54	Mutations in troponin T associated with Hypertrophic Cardiomyopathy increase Ca2+-sensitivity and suppress the modulation of Ca2+-sensitivity by troponin I phosphorylation. Archives of Biochemistry and Biophysics, 2016, 601, 113-120.	1.4	49

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55	GSK3Î² Phosphorylates Newly Identified Site in the Proline-Alanineâ€“Rich Region of Cardiac Myosinâ€“Binding Protein C and Alters Cross-Bridge Cycling Kinetics in Human. Circulation Research, 2013, 112, 633-639.	2.0	48
56	Is There a Third Type of Filament in Striated Muscles?. Journal of Biochemistry, 1978, 84, 235-238.	0.9	45
57	Structural and functional domains on actin. BioEssays, 1986, 4, 124-128.	1.2	44
58	Molecular effects of the myosin activator omecamtiv mecarbil on contractile properties of skinned myocardium lacking cardiac myosin binding protein-C. Journal of Molecular and Cellular Cardiology, 2015, 85, 262-272.	0.9	44
59	Protein phosphatase 5 regulates titin phosphorylation and function at a sarcomere-associated mechanosensor complex in cardiomyocytes. Nature Communications, 2018, 9, 262.	5.8	44
60	Genome-Wide Identification of Expression Quantitative Trait Loci (eQTLs) in Human Heart. PLoS ONE, 2014, 9, e97380.	1.1	44
61	Plasmaâ€Treated Polyethylene Surfaces for Improved Binding of Active Protein. Plasma Processes and Polymers, 2007, 4, 583-590.	1.6	42
62	Protective effect of phosphorylated Hsp27 in coronary arteries through actin stabilization. Journal of Molecular and Cellular Cardiology, 2010, 49, 370-379.	0.9	42
63	Sex-Specific Control of Human Heart Maturation by the Progesterone Receptor. Circulation, 2021, 143, 1614-1628.	1.6	42
64	Myosin Light Chain Gene Expression Associated with Disease States of the Human Heart. Journal of Molecular and Cellular Cardiology, 1993, 25, 577-585.	0.9	41
65	Genomics, proteomics and bioinformatics of human heart failure. Journal of Muscle Research and Cell Motility, 2003, 24, 251-261.	0.9	41
66	The interactome of LIM domain proteins: The contributions of LIM domain proteins to heart failure and heart development. Proteomics, 2012, 12, 203-225.	1.3	41
67	Abnormal contractility in human heart myofibrils from patients with dilated cardiomyopathy due to mutations in TTN and contractile protein genes. Scientific Reports, 2017, 7, 14829.	1.6	40
68	The Sydney Heart Bank: improving translational research while eliminating or reducing the use of animal models of human heart disease. Biophysical Reviews, 2017, 9, 431-441.	1.5	39
69	Burst-Like Transcription of Mutant and Wildtype MYH7-Alleles as Possible Origin of Cell-to-Cell Contractile Imbalance in Hypertrophic Cardiomyopathy. Frontiers in Physiology, 2018, 9, 359.	1.3	39
70	Flavivirus induces MHC antigen on human myoblasts: A model of autoimmune myositis?. Muscle and Nerve, 1992, 15, 1271-1277.	1.0	38
71	Structural changes in subdomain 2 of G-actin observed by fluorescence spectroscopy. Biochemical Journal, 1996, 317, 605-611.	1.7	38
72	More severe cellular phenotype in human idiopathic dilated cardiomyopathy compared to ischemic heart disease. Journal of Muscle Research and Cell Motility, 2010, 31, 289-301.	0.9	38

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73	Dose-Dependent Effects of the Myosin Activator Omecamtiv Mecarbil on Cross-Bridge Behavior and Force Generation in Failing Human Myocardium. Circulation: Heart Failure, 2017, 10, .	1.6	38
74	Skeletal myosin binding protein-C isoforms regulate thin filament activity in a Ca2+-dependent manner. Scientific Reports, 2018, 8, 2604.	1.6	38
75	Proteomic Analysis of the Myocardium in Hypertrophic Obstructive Cardiomyopathy. Circulation Genomic and Precision Medicine, 2018, 11, e001974.	1.6	38
76	Interaction of phalloidin with chemically modified actin. FEBS Journal, 1987, 165, 125-130.	0.2	37
77	A review of heavy metal cation binding to deoxyribonucleic acids for the creation of chemical sensors. Biophysical Reviews, 2018, 10, 1401-1414.	1.5	36
78	Differences in Contractile Function of Myofibrils within Human Embryonic Stem Cell-Derived Cardiomyocytes vs. Adult Ventricular Myofibrils Are Related to Distinct Sarcomeric Protein Isoforms. Frontiers in Physiology, 2017, 8, 1111.	1.3	36
79	Myofilament Remodeling and Function Is More Impaired in Peripartum Cardiomyopathy Compared with Dilated Cardiomyopathy and Ischemic Heart Disease. American Journal of Pathology, 2017, 187, 2645-2658.	1.9	35
80	A Conformational Change in F-Actin When Myosin Binds:â€‰ Fluorescence Resonance Energy Transfer Detects an Increase in the Radial Coordinate of Cys-374. Biochemistry, 1997, 36, 7353-7360.	1.2	34
81	Myofibrillar Ca2+ sensitivity is uncoupled from troponin I phosphorylation in hypertrophic obstructive cardiomyopathy due to abnormal troponin T. Cardiovascular Research, 2013, 97, 500-508.	1.8	34
82	ADP-stimulated contraction: A predictor of thin-filament activation in cardiac disease. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E7003-12.	3.3	34
83	Proteomic Analysis of the Myocardium in Hypertrophic Obstructive Cardiomyopathy. Circulation Genomic and Precision Medicine, 2018, 11, .	1.6	34
84	TheN-terminal fragment of gelsolin inhibits the interaction of DNase I with isolated actin, but not with the cofilin-actin complex. Proteomics, 2005, 5, 3131-3136.	1.3	33
85	Oxidative Stress in Dilated Cardiomyopathy Caused byMYBPC3Mutation. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-14.	1.9	33
86	Modulation of Titin-Based Stiffness in Hypertrophic Cardiomyopathy via Protein Kinase D. Frontiers in Physiology, 2020, 11, 240.	1.3	31
87	Heart failure and apoptosis: Electrophoretic methods support data from micro- and macro-arrays. A critical review of genomics and proteomics. Proteomics, 2001, 1, 1481.	1.3	30
88	Best practice BioBanking of human heart tissue. Biophysical Reviews, 2015, 7, 399-406.	1.5	29
89	Collaborative Regulation of LRG1 by TGF-Î²1 and PPAR-Î²/Î´ Modulates Chronic Pressure Overloadâ€“Induced Cardiac Fibrosis. Circulation: Heart Failure, 2019, 12, e005962.	1.6	29
90	PKCÎ±-Specific Phosphorylation of the Troponin Complex in Human Myocardium: A Functional and Proteomics Analysis. PLoS ONE, 2013, 8, e74847.	1.1	29

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91	Conformational changes in actin resulting from Ca2+/Mg2+ exchange as detected by proton NMR spectroscopy. FEBS Journal, 1985, 146, 5-8.	0.2	28
92	Prelamin A mediates myocardial inflammation in dilated and HIV-associated cardiomyopathies. JCI Insight, 2019, 4, .	2.3	28
93	Adaptations of cytoarchitecture in human dilated cardiomyopathy. Biophysical Reviews, 2015, 7, 25-32.	1.5	26
94	Monophosphorylation of cardiac troponin-I at Ser-23/24 is sufficient to regulate cardiac myofibrillar Ca2+ sensitivity and calpain-induced proteolysis. Journal of Biological Chemistry, 2018, 293, 8588-8599.	1.6	26
95	Protein Quality Control Activation and Microtubule Remodeling in Hypertrophic Cardiomyopathy. Cells, 2019, 8, 741.	1.8	26
96	Conformational Studies of G-Actin Containing Bound Lanthanide. FEBS Journal, 1982, 122, 239-244.	0.2	25
97	Elevated DNase activity and caspase expression in association with apoptosis in failing ischemic sheep left ventricles. Electrophoresis, 1999, 20, 2046-2052.	1.3	25
98	The homozygous K280N troponin T mutation alters cross-bridge kinetics and energetics in human HCM. Journal of General Physiology, 2019, 151, 18-29.	0.9	25
99	Sex-specific cardiac remodeling in early and advanced stages of hypertrophic cardiomyopathy. PLoS ONE, 2020, 15, e0232427.	1.1	25
100	The Formin FHOD1 in Cardiomyocytes. Anatomical Record, 2014, 297, 1560-1570.	0.8	24
101	Pathogenesis and pathophysiology of heart failure with reduced ejection fraction: translation to human studies. Heart Failure Reviews, 2019, 24, 743-758.	1.7	24
102	Cardiac gene expression data and in silico analysis provide novel insights into human and mouse taste receptor gene regulation. Naunyn-Schmiedeberg's Archives of Pharmacology, 2015, 388, 1009-1027.	1.4	23
103	Intrinsic MYH7 expression regulation contributes to tissue level allelic imbalance in hypertrophic cardiomyopathy. Journal of Muscle Research and Cell Motility, 2017, 38, 291-302.	0.9	22
104	Manipulation of the Motility of Protein Molecular Motors on Microfabricated Substrates. Biomedical Microdevices, 2002, 4, 111-116.	1.4	21
105	Enhanced cardiac repair by telomerase reverse transcriptase over-expression in human cardiac mesenchymal stromal cells. Scientific Reports, 2019, 9, 10579.	1.6	21
106	Increase in expression of P2X1 receptors in the atria of patients suffering from dilated cardiomyopathy. Electrophoresis, 1999, 20, 2059-2064.	1.3	20
107	Differences in the regulation of RyR2 from human, sheep, and rat by Ca2+ and Mg2+ in the cytoplasm and in the lumen of the sarcoplasmic reticulum. Journal of General Physiology, 2014, 144, 263-271.	0.9	20
108	Preserved cross-bridge kinetics in human hypertrophic cardiomyopathy patients with MYBPC3 mutations. Pflugers Archiv European Journal of Physiology, 2014, 466, 1619-1633.	1.3	19

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109	Calmodulin inhibition of human RyR2 channels requires phosphorylation of RyR2-S2808 or RyR2-S2814. Journal of Molecular and Cellular Cardiology, 2019, 130, 96-106.	0.9	19
110	Heart Research Advances Using Database Search Engines, Human Protein Atlas and the Sydney Heart Bank. Heart Lung and Circulation, 2013, 22, 819-826.	0.2	18
111	Two-dimensional gel electrophoresis of actin-binding proteins isolated by affinity chromatography from human skeletal muscle. Electrophoresis, 1997, 18, 1079-1085.	1.3	17
112	An historical perspective of the discovery of titin filaments. Biophysical Reviews, 2017, 9, 179-188.	1.5	17
113	Linker-free covalent thermophilic Î²-glucosidase functionalized polymeric surfaces. Journal of Materials Chemistry, 2011, 21, 17832.	6.7	16
114	Cluster of differentiation antibody microarrays on plasma immersion ion implanted polycarbonate. Materials Science and Engineering C, 2014, 35, 434-440.	3.8	16
115	Phosphorylation of protein kinase C sites Ser42/44 decreases Ca2+-sensitivity and blunts enhanced length-dependent activation in response to protein kinase A in human cardiomyocytes. Archives of Biochemistry and Biophysics, 2014, 554, 11-21.	1.4	16
116	Spontaneous oscillatory contraction (SPOC) in cardiomyocytes. Biophysical Reviews, 2015, 7, 15-24.	1.5	16
117	Titin-truncating mutations associated with dilated cardiomyopathy alter length-dependent activation and its modulation via phosphorylation. Cardiovascular Research, 2022, 118, 241-253.	1.8	16
118	Identification of MYOM2 as a candidate gene in hypertrophic cardiomyopathy and tetralogy of fallot and its functional evaluation in the Drosophila heart. DMM Disease Models and Mechanisms, 2020, 13, .	1.2	16
119	The role of ATP, ADP and divalent cations in the formation of binary and ternary complexes of actin, cofilin and DNase I. Electrophoresis, 2000, 21, 3863-3869.	1.3	15
120	Stress activated signalling impaired protein quality control pathways in human hypertrophic cardiomyopathy. International Journal of Cardiology, 2021, 344, 160-169.	0.8	15
121	Using Antibody Arrays to Detect Microparticles from Acute Coronary Syndrome Patients Based on Cluster of Differentiation (CD) Antigen Expression. Molecular and Cellular Proteomics, 2009, 8, 799-804.	2.5	14
122	A 2â€Ð gel reference map of the basic human heart proteome. Proteomics, 2011, 11, 3582-3586.	1.3	14
123	Fluorescence resonance energy transfer between sites in G-actin. The spatial relationship between Cys-10, Tyr-69, Cys-374, the high-affinity metal and the nucleotide. FEBS Journal, 1987, 168, 103-109.	0.2	13
124	Models of the actin monomer and filament from fluorescence resonance-energy transfer. FEBS Journal, 1992, 205, 591-601.	0.2	13
125	Alterations in the expression of P2X1 receptors in failing and nondiseased human atria. Electrophoresis, 1998, 19, 856-859.	1.3	13
126	Limitations in Translating Animal Studies to Humans in Cardiovascular Disease. Journal of Cardiovascular Translational Research, 2016, 9, 165-166.	1.1	13

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127	Orphan receptor GPR37L1 contributes to the sexual dimorphism of central cardiovascular control. Biology of Sex Differences, 2018, 9, 14.	1.8	13
128	Analysis of the binding of deoxyribonuclease I to G-actin by capillary electrophoresis. Electrophoresis, 1997, 18, 1054-1058.	1.3	12
129	The affinity of chick cofilin for actin increases when actin is complexed with DNase I: Formation of a cofilin-actin-DNase I ternary complex. Proteomics, 2001, 1, 1513.	1.3	12
130	The evolution of Biophysical Reviews. Biophysical Reviews, 2016, 8, 1-3.	1.5	12
131	Platelet-Derived Growth Factor Receptor-Alpha Expressing Cardiac Progenitor Cells Can Be Derived from Previously Cryopreserved Human Heart Samples. Stem Cells and Development, 2018, 27, 184-198.	1.1	12
132	Electrophoretic monitoring of pollutants: Effect of cations and organic compounds on protein interactions monitored by native gel electrophoresis. Electrophoresis, 1999, 20, 2053-2058.	1.3	11
133	Alterations in Titin Properties and Myocardial Fibrosis Correlate With Clinical Phenotypes in Hemodynamic Subgroups of Severe Aortic Stenosis. JACC Basic To Translational Science, 2018, 3, 335-346.	1.9	11
134	Fluorescence resonance energy transfer within the regulatory light chain of myosin. FEBS Journal, 1994, 219, 603-610.	0.2	10
135	Stable and unstable angina: Identifying novel markers on circulating leukocytes. Proteomics - Clinical Applications, 2008, 2, 90-98.	0.8	10
136	SPontaneous Oscillatory Contraction (SPOC): auto-oscillations observed in striated muscle at partial activation. Biophysical Reviews, 2011, 3, 53-62.	1.5	10
137	Editorial for issue #1 2018. Biophysical Reviews, 2018, 10, 1-2.	1.5	10
138	Different electrophoretic techniques produce conflicting data in the analysis of myocardial samples from dilated cardiomyopathy patients: Protein levels do not necessarily reflect mRNA levels. Electrophoresis, 1996, 17, 235-238.	1.3	9
139	Tissue microarray profiling in human heart failure. Proteomics, 2016, 16, 2319-2326.	1.3	9
140	Sarcomeric Auto-Oscillations in Single Myofibrils From the Heart of Patients With Dilated Cardiomyopathy. Circulation: Heart Failure, 2018, 11, e004333.	1.6	9
141	Right Ventricle Has Normal Myofilament Function But Shows Perturbations in the Expression of Extracellular Matrix Genes in Patients With Tetralogy of Fallot Undergoing Pulmonary Valve Replacement. Journal of the American Heart Association, 2020, 9, e015342.	1.6	9
142	An Antibody-Based Leukocyte-Capture Microarray for the Diagnosis of Systemic Lupus Erythematosus. PLoS ONE, 2013, 8, e58199.	1.1	9
143	Non-sarcomeric causes of heart failure: a Sydney Heart Bank perspective. Biophysical Reviews, 2018, 10, 949-954.	1.5	8
144	Blood-based protein profiling identifies serum protein c-KIT as a novel biomarker for hypertrophic cardiomyopathy. Scientific Reports, 2021, 11, 1755.	1.6	8

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145	Actin-binding proteins in mouse C2 myoblasts and myotubes: A combination of affinity chromatography and two-dimensional gel electrophoresis. Electrophoresis, 1998, 19, 826-833.	1.3	7
146	Nuclear membrane proteins in failing human dilated cardiomyopathy. Proteomics, 2001, 1, 1507.	1.3	7
147	Determination of P2X1Î±-sarcoglycan (adhalin) expression levels in failing human dilated cardiomyopathic left ventricles. Electrophoresis, 2000, 21, 3857-3862.	1.3	6
148	A step towards understanding the molecular nature of human heart failure: advances using the Sydney Heart Bank collection. Biophysical Reviews, 2019, 11, 241-244.	1.5	6
149	Customising an antibody leukocyte capture microarray for systemic lupus erythematosus: Beyond biomarker discovery. Proteomics - Clinical Applications, 2010, 4, 179-189.	0.8	5
150	Foreword to the biophysics of protein-protein and protein-ligand interactions in dilute and crowded mediaâ€"a special issue in honor of Allen Mintonâ€™s 70th birthday. Biophysical Reviews, 2013, 5, 57-60.	1.5	5
151	Special Issue on human heart failure. Biophysical Reviews, 2015, 7, 1-3.	1.5	5
152	A review and summary of the contents of biophysical reviews volume 8, 2016. Biophysical Reviews, 2017, 9, 1-4.	1.5	5
153	Involvement of GPR37L1 in murine blood pressure regulation and human cardiac disease pathophysiology. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H807-H817.	1.5	5
154	Models of cardiovascular surgery biobanking to facilitate translational research and precision medicine. ESC Heart Failure, 2022, 9, 21-30.	1.4	5
155	A DNAâ€based assay for toxic chemicals in wastewater. Environmental Toxicology and Chemistry, 2011, 30, 1810-1818.	2.2	4
156	Computational opportunities for remote collaboration and capacity building afforded by Web 2.0 and cloud computing. Biophysical Reviews, 2012, 4, 153-160.	1.5	4
157	A career in biophysics. Biophysical Reviews, 2020, 12, 741-744.	1.5	4
158	Nanomolar ATP binding to single myosin cross-bridges in rigor: a molecular approach to studying myosin ATP kinetics using single human cardiomyocytes. Biophysical Reviews, 2020, 12, 1031-1040.	1.5	4
159	Peripartum cardiomyopathy: a global effort to find the cause and cure for the rare and little understood disease. Biophysical Reviews, 2022, 14, 369-379.	1.5	4
160	The effect of the replacement of ADP with a photoaffinity ATP analogue, 2-azido-ADP, in F-actin on its function. FEBS Letters, 1989, 250, 328-330.	1.3	3
161	Special Issue of Biophysical Reviews dedicated to the 19th IUPAB Conference in Edinburgh, Scotland (July 2017)ï»¿.. Biophysical Reviews, 2017, 9, 269-271.	1.5	3
162	3Rs and biophysics. Biophysical Reviews, 2017, 9, 277-278.	1.5	3

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163	An historical perspective of the discovery of titin filaments â€“Part 2. Biophysical Reviews, 2018, 10, 1201-1203.	1.5	3
164	The adult heart requires baseline expression of the transcription factor Hand2 to withstand right ventricular pressure overload. Cardiovascular Research, 2022, 118, 2688-2702.	1.8	3
165	The Regulation of Muscle Contraction: As in Life, It Keeps Getting More Complex. Biophysical Journal, 2007, 93, 4097-4098.	0.2	2
166	Biophysical educational experiment: science and goodwill in Latin America and Africa. Biophysical Reviews, 2011, 3, 101-106.	1.5	2
167	Editorial. Biophysical Reviews, 2012, 4, 149-151.	1.5	2
168	Letter from the Editor. Biophysical Reviews, 2019, 11, 127-128.	1.5	2
169	Low expression of the K280N TNNT2 mutation is sufficient to increase basal myofilament activation in human hypertrophy cardiomyopathy. , 2022, 1, 100007.		2
170	Biophysical Reviews publications on DNA structure and function that complement this Special Issue on DNA supercoiling. Biophysical Reviews, 2016, 8, 157-158.	1.5	1
171	This issue of Biophysical Reviews is a little different. Biophysical Reviews, 2016, 8, 85-86.	1.5	1
172	Special issue on titin and its binding proteins in striated muscle. Biophysical Reviews, 2017, 9, 177-178.	1.5	1
173	Reviews arising from the 2017 conference of the Australian Society for Biophysics and the Japanese Society for Biophysics. Biophysical Reviews, 2018, 10, 1215-1220.	1.5	1
174	Recollections of 50Âyears of research in biophysics: a matter of hard work and luck. Biophysical Reviews, 2019, 11, 135-137.	1.5	1
175	Do they come together? Protein quality control, stress-activated signaling, and â€œsarcostatâ€•in hypertrophic cardiomyopathy progression. International Journal of Cardiology, 2022, 347, 44-45.	0.8	1
176	PS9 - 9. Human coronary artery disease is characterized by defects in coronary insulin signaling. Nederlands Tijdschrift Voor Diabetologie, 2013, 11, 183-183.	0.0	0
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