

Cris dos Remedios

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

167
papers

7,582
citations

44
h-index

82
g-index

187
ext. papers

9,223
ext. citations

6.8
avg, IF

5.57
L-index

#	Paper	IF	Citations
167	Peripartum cardiomyopathy: a global effort to find the cause and cure for the rare and little understood disease.. <i>Biophysical Reviews</i> , 2022 , 14, 369-379	3.7	0
166	Do they come together? Protein quality control, stress-activated signaling, and "sarcostat" in hypertrophic cardiomyopathy progression. <i>International Journal of Cardiology</i> , 2022 , 347, 44-45	3.2	
165	Low expression of the K280N TNNT2 mutation is sufficient to increase basal myofilament activation in human hypertrophy cardiomyopathy 2022 , 1, 100007		0
164	Truncated titin proteins and titin haploinsufficiency are targets for functional recovery in human cardiomyopathy due to mutations. <i>Science Translational Medicine</i> , 2021 , 13, eabd3079	17.5	6
163	Sex-Specific Control of Human Heart Maturation by the Progesterone Receptor. <i>Circulation</i> , 2021 , 143, 1614-1628	16.7	6
162	Proteomic and Functional Studies Reveal Detyrosinated Tubulin as Treatment Target in Sarcomere Mutation-Induced Hypertrophic Cardiomyopathy. <i>Circulation: Heart Failure</i> , 2021 , 14, e007022	7.6	21
161	Blood-based protein profiling identifies serum protein c-KIT as a novel biomarker for hypertrophic cardiomyopathy. <i>Scientific Reports</i> , 2021 , 11, 1755	4.9	2
160	Stress activated signalling impaired protein quality control pathways in human hypertrophic cardiomyopathy. <i>International Journal of Cardiology</i> , 2021 , 344, 160-169	3.2	2
159	Involvement of GPR37L1 in murine blood pressure regulation and human cardiac disease pathophysiology. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 321, H807-H817	5.2	1
158	Models of cardiovascular surgery biobanking to facilitate translational research and precision medicine.. <i>ESC Heart Failure</i> , 2021 ,	3.7	1
157	Titin-Truncating Mutations Associated With Dilated Cardiomyopathy Alter Length-Dependent Activation And Its Modulation Via Phosphorylation. <i>Cardiovascular Research</i> , 2020 ,	9.9	7
156	Sex-specific cardiac remodeling in early and advanced stages of hypertrophic cardiomyopathy. <i>PLoS ONE</i> , 2020 , 15, e0232427	3.7	9
155	Nanomolar ATP binding to single myosin cross-bridges in rigor: a molecular approach to studying myosin ATP kinetics using single human cardiomyocytes. <i>Biophysical Reviews</i> , 2020 , 12, 1031-1040	3.7	1
154	Modulation of Titin-Based Stiffness in Hypertrophic Cardiomyopathy via Protein Kinase D. <i>Frontiers in Physiology</i> , 2020 , 11, 240	4.6	10
153	Identification of as a candidate gene in hypertrophic cardiomyopathy and Tetralogy of Fallot, and its functional evaluation in the heart. <i>DMM Disease Models and Mechanisms</i> , 2020 , 13,	4.1	5
152	A career in biophysics. <i>Biophysical Reviews</i> , 2020 , 12, 741-744	3.7	0
151	Distinct hypertrophic cardiomyopathy genotypes result in convergent sarcomeric proteoform profiles revealed by top-down proteomics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 24691-24700	11.5	31

150	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. <i>Journal of the American Heart Association</i> , 2020 , 9, e015342	6	3
149	Sex-specific cardiac remodeling in early and advanced stages of hypertrophic cardiomyopathy 2020 , 15, e0232427		
148	Sex-specific cardiac remodeling in early and advanced stages of hypertrophic cardiomyopathy 2020 , 15, e0232427		
147	Sex-specific cardiac remodeling in early and advanced stages of hypertrophic cardiomyopathy 2020 , 15, e0232427		
146	Sex-specific cardiac remodeling in early and advanced stages of hypertrophic cardiomyopathy 2020 , 15, e0232427		
145	Pathogenesis and pathophysiology of heart failure with reduced ejection fraction: translation to human studies. <i>Heart Failure Reviews</i> , 2019 , 24, 743-758	5	12
144	The Translational Landscape of the Human Heart. <i>Cell</i> , 2019 , 178, 242-260.e29	56.2	210
143	A step towards understanding the molecular nature of human heart failure: advances using the Sydney Heart Bank collection. <i>Biophysical Reviews</i> , 2019 , 11, 241-244	3.7	6
142	Recollections of 50 years of research in biophysics: a matter of hard work and luck. <i>Biophysical Reviews</i> , 2019 , 11, 135-137	3.7	1
141	Calmodulin inhibition of human RyR2 channels requires phosphorylation of RyR2-S2808 or RyR2-S2814. <i>Journal of Molecular and Cellular Cardiology</i> , 2019 , 130, 96-106	5.8	11
140	PKC and PKN in heart disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2019 , 128, 212-226	5.8	30
139	Protein Quality Control Activation and Microtubule Remodeling in Hypertrophic Cardiomyopathy. <i>Cells</i> , 2019 , 8,	7.9	15
138	Enhanced cardiac repair by telomerase reverse transcriptase over-expression in human cardiac mesenchymal stromal cells. <i>Scientific Reports</i> , 2019 , 9, 10579	4.9	9
137	Prelamin A mediates myocardial inflammation in dilated and HIV-associated cardiomyopathies. <i>JCI Insight</i> , 2019 , 4,	9.9	16
136	Collaborative Regulation of LRG1 by TGF- β 1 and PPAR- γ 1 Modulates Chronic Pressure Overload-Induced Cardiac Fibrosis. <i>Circulation: Heart Failure</i> , 2019 , 12, e005962	7.6	16
135	The homozygous K280N troponin T mutation alters cross-bridge kinetics and energetics in human HCM. <i>Journal of General Physiology</i> , 2019 , 151, 18-29	3.4	19
134	Monophosphorylation of cardiac troponin-I at Ser-23/24 is sufficient to regulate cardiac myofibrillar Ca sensitivity and calpain-induced proteolysis. <i>Journal of Biological Chemistry</i> , 2018 , 293, 8588-8599	5.4	18
133	Skeletal myosin binding protein-C isoforms regulate thin filament activity in a Ca-dependent manner. <i>Scientific Reports</i> , 2018 , 8, 2604	4.9	24

132	Protein phosphatase 5 regulates titin phosphorylation and function at a sarcomere-associated mechanosensor complex in cardiomyocytes. <i>Nature Communications</i> , 2018 , 9, 262	17.4	28
131	An historical perspective of the discovery of titin filaments -Part 2. <i>Biophysical Reviews</i> , 2018 , 10, 1201-1203	3.9	1
130	Platelet-Derived Growth Factor Receptor-Alpha Expressing Cardiac Progenitor Cells Can Be Derived from Previously Cryopreserved Human Heart Samples. <i>Stem Cells and Development</i> , 2018 , 27, 184-198	4.4	6
129	Burst-Like Transcription of Mutant and Wildtype -Alleles as Possible Origin of Cell-to-Cell Contractile Imbalance in Hypertrophic Cardiomyopathy. <i>Frontiers in Physiology</i> , 2018 , 9, 359	4.6	26
128	Sarcomeric Auto-Oscillations in Single Myofibrils From the Heart of Patients With Dilated Cardiomyopathy. <i>Circulation: Heart Failure</i> , 2018 , 11, e004333	7.6	7
127	Orphan receptor GPR37L1 contributes to the sexual dimorphism of central cardiovascular control. <i>Biology of Sex Differences</i> , 2018 , 9, 14	9.3	6
126	Contribution of Impaired Parasympathetic Activity to Right Ventricular Dysfunction and Pulmonary Vascular Remodeling in Pulmonary Arterial Hypertension. <i>Circulation</i> , 2018 , 137, 910-924	16.7	60
125	Proteomic Analysis of the Myocardium in Hypertrophic Obstructive Cardiomyopathy. <i>Circulation Genomic and Precision Medicine</i> , 2018 , 11, e001974	5.2	21
124	Proteomic Analysis of the Myocardium in Hypertrophic Obstructive Cardiomyopathy. <i>Circulation Genomic and Precision Medicine</i> , 2018 , 11,	5.2	16
123	A review of heavy metal cation binding to deoxyribonucleic acids for the creation of chemical sensors. <i>Biophysical Reviews</i> , 2018 , 10, 1401-1414	3.7	20
122	Non-sarcomeric causes of heart failure: a Sydney Heart Bank perspective. <i>Biophysical Reviews</i> , 2018 , 10, 949-954	3.7	5
121	Alterations in Titin Properties and Myocardial Fibrosis Correlate With Clinical Phenotypes in Hemodynamic Subgroups of Severe Aortic Stenosis. <i>JACC Basic To Translational Science</i> , 2018 , 3, 335-346	8.7	7
120	A model of cardiac contraction based on novel measurements of tension development in human cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2017 , 106, 68-83	5.8	55
119	Myofilament Remodeling and Function Is More Impaired in Peripartum Cardiomyopathy Compared with Dilated Cardiomyopathy and Ischemic Heart Disease. <i>American Journal of Pathology</i> , 2017 , 187, 2645-2658	5.8	16
118	Dose-Dependent Effects of the Myosin Activator Omecamtiv Mecarbil on Cross-Bridge Behavior and Force Generation in Failing Human Myocardium. <i>Circulation: Heart Failure</i> , 2017 , 10,	7.6	25
117	MYBPC3 mutations are associated with a reduced super-relaxed state in patients with hypertrophic cardiomyopathy. <i>PLoS ONE</i> , 2017 , 12, e0180064	3.7	66
116	Natural genetic variation of the cardiac transcriptome in non-diseased donors and patients with dilated cardiomyopathy. <i>Genome Biology</i> , 2017 , 18, 170	18.3	40
115	3Rs and biophysics. <i>Biophysical Reviews</i> , 2017 , 9, 277-278	3.7	3

114	Differences in Contractile Function of Myofibrils within Human Embryonic Stem Cell-Derived Cardiomyocytes vs. Adult Ventricular Myofibrils Are Related to Distinct Sarcomeric Protein Isoforms. <i>Frontiers in Physiology</i> , 2017 , 8, 1111	4.6	27
113	The Sydney Heart Bank: improving translational research while eliminating or reducing the use of animal models of human heart disease. <i>Biophysical Reviews</i> , 2017 , 9, 431-441	3.7	27
112	Intrinsic MYH7 expression regulation contributes to tissue level allelic imbalance in hypertrophic cardiomyopathy. <i>Journal of Muscle Research and Cell Motility</i> , 2017 , 38, 291-302	3.5	15
111	Abnormal contractility in human heart myofibrils from patients with dilated cardiomyopathy due to mutations in TTN and contractile protein genes. <i>Scientific Reports</i> , 2017 , 7, 14829	4.9	28
110	An historical perspective of the discovery of titin filaments. <i>Biophysical Reviews</i> , 2017 , 9, 179-188	3.7	11
109	Long non-coding RNAs link extracellular matrix gene expression to ischemic cardiomyopathy. <i>Cardiovascular Research</i> , 2016 , 112, 543-554	9.9	49
108	MLP and CARP are linked to chronic PKC β signalling in dilated cardiomyopathy. <i>Nature Communications</i> , 2016 , 7, 12120	17.4	47
107	Mutations in troponin T associated with Hypertrophic Cardiomyopathy increase Ca(2+)-sensitivity and suppress the modulation of Ca(2+)-sensitivity by troponin I phosphorylation. <i>Archives of Biochemistry and Biophysics</i> , 2016 , 601, 113-20	4.1	31
106	Ablation of cardiac myosin binding protein-C disrupts the super-relaxed state of myosin in murine cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 94, 65-71	5.8	75
105	Limitations in Translating Animal Studies to Humans in Cardiovascular Disease. <i>Journal of Cardiovascular Translational Research</i> , 2016 , 9, 165-6	3.3	11
104	Tissue microarray profiling in human heart failure. <i>Proteomics</i> , 2016 , 16, 2319-26	4.8	6
103	Acetylation of VGLL4 Regulates Hippo-YAP Signaling and Postnatal Cardiac Growth. <i>Developmental Cell</i> , 2016 , 39, 466-479	10.2	64
102	Dynamics of Cell Generation and Turnover in the Human Heart. <i>Cell</i> , 2015 , 161, 1566-75	56.2	610
101	Neuregulin stimulation of cardiomyocyte regeneration in mice and human myocardium reveals a therapeutic window. <i>Science Translational Medicine</i> , 2015 , 7, 281ra45	17.5	148
100	Adaptations of cytoarchitecture in human dilated cardiomyopathy. <i>Biophysical Reviews</i> , 2015 , 7, 25-32	3.7	20
99	ADP-stimulated contraction: A predictor of thin-filament activation in cardiac disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E7003-12	11.5	24
98	Synergistic role of ADP and Ca(2+) in diastolic myocardial stiffness. <i>Journal of Physiology</i> , 2015 , 593, 3899-916	39	39
97	Special Issue on human heart failure. <i>Biophysical Reviews</i> , 2015 , 7, 1-3	3.7	2

96	OBSCN Mutations Associated with Dilated Cardiomyopathy and Haploinsufficiency. <i>PLoS ONE</i> , 2015 , 10, e0138568	3.7	53
95	Oxidative Stress in Dilated Cardiomyopathy Caused by MYBPC3 Mutation. <i>Oxidative Medicine and Cellular Longevity</i> , 2015 , 2015, 424751	6.7	25
94	Cardiac gene expression data and in silico analysis provide novel insights into human and mouse taste receptor gene regulation. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015 , 388, 1009-27	3.4	19
93	Best Practice BioBanking of Human Heart Tissue. <i>Biophysical Reviews</i> , 2015 , 7, 399-406	3.7	20
92	The role of super-relaxed myosin in skeletal and cardiac muscle. <i>Biophysical Reviews</i> , 2015 , 7, 5-14	3.7	71
91	Molecular effects of the myosin activator omecamtiv mecarbil on contractile properties of skinned myocardium lacking cardiac myosin binding protein-C. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 85, 262-72	5.8	37
90	Spontaneous oscillatory contraction (SPOC) in cardiomyocytes. <i>Biophysical Reviews</i> , 2015 , 7, 15-24	3.7	13
89	Coxsackie and adenovirus receptor is a modifier of cardiac conduction and arrhythmia vulnerability in the setting of myocardial ischemia. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 549-59	15.1	45
88	Preserved cross-bridge kinetics in human hypertrophic cardiomyopathy patients with MYBPC3 mutations. <i>Pflügers Archiv European Journal of Physiology</i> , 2014 , 466, 1619-33	4.6	11
87	Differences in the regulation of RyR2 from human, sheep, and rat by Ca ²⁺ and Mg ²⁺ in the cytoplasm and in the lumen of the sarcoplasmic reticulum. <i>Journal of General Physiology</i> , 2014 , 144, 263-74	3.4	17
86	Length-dependent activation is modulated by cardiac troponin I bisphosphorylation at Ser23 and Ser24 but not by Thr143 phosphorylation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 306, H1171-81	5.2	38
85	Contractile dysfunction of left ventricular cardiomyocytes in patients with pulmonary arterial hypertension. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 28-37	15.1	64
84	The formin FHOD1 in cardiomyocytes. <i>Anatomical Record</i> , 2014 , 297, 1560-70	2.1	20
83	Cluster of differentiation antibody microarrays on plasma immersion ion implanted polycarbonate. <i>Materials Science and Engineering C</i> , 2014 , 35, 434-40	8.3	14
82	Phosphorylation of protein kinase C sites Ser42/44 decreases Ca(2+)-sensitivity and blunts enhanced length-dependent activation in response to protein kinase A in human cardiomyocytes. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 554, 11-21	4.1	12
81	Protein changes contributing to right ventricular cardiomyocyte diastolic dysfunction in pulmonary arterial hypertension. <i>Journal of the American Heart Association</i> , 2014 , 3, e000716	6	46
80	Gene-specific increase in the energetic cost of contraction in hypertrophic cardiomyopathy caused by thick filament mutations. <i>Cardiovascular Research</i> , 2014 , 103, 248-57	9.9	69
79	Genome-wide identification of expression quantitative trait loci (eQTLs) in human heart. <i>PLoS ONE</i> , 2014 , 9, e97380	3.7	35

78	MicroRNA transcriptome profiling in cardiac tissue of hypertrophic cardiomyopathy patients with MYBPC3 mutations. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 65, 59-66	5.8	40
77	Mutations in MYH7 reduce the force generating capacity of sarcomeres in human familial hypertrophic cardiomyopathy. <i>Cardiovascular Research</i> , 2013 , 99, 432-41	9.9	69
76	Familial dilated cardiomyopathy mutations uncouple troponin I phosphorylation from changes in myofibrillar Ca ²⁺ sensitivity. <i>Cardiovascular Research</i> , 2013 , 99, 65-73	9.9	54
75	GSK3 β phosphorylates newly identified site in the proline-alanine-rich region of cardiac myosin-binding protein C and alters cross-bridge cycling kinetics in human: short communication. <i>Circulation Research</i> , 2013 , 112, 633-9	15.7	42
74	Heart research advances using database search engines, Human Protein Atlas and the Sydney Heart Bank. <i>Heart Lung and Circulation</i> , 2013 , 22, 819-26	1.8	13
73	Myofibrillar Ca(2+) sensitivity is uncoupled from troponin I phosphorylation in hypertrophic obstructive cardiomyopathy due to abnormal troponin T. <i>Cardiovascular Research</i> , 2013 , 97, 500-8	9.9	31
72	Current status of biomarkers for prostate cancer. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 11034-60	6.3	141
71	Crucial role for Ca ²⁺ /calmodulin-dependent protein kinase-II in regulating diastolic stress of normal and failing hearts via titin phosphorylation. <i>Circulation Research</i> , 2013 , 112, 664-74	15.7	137
70	PS9 - 9. Human coronary artery disease is characterized by defects in coronary insulin signaling. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2013 , 11, 183-183	0	
69	Perturbed length-dependent activation in human hypertrophic cardiomyopathy with missense sarcomeric gene mutations. <i>Circulation Research</i> , 2013 , 112, 1491-505	15.7	138
68	Right ventricular diastolic impairment in patients with pulmonary arterial hypertension. <i>Circulation</i> , 2013 , 128, 2016-25, 1-10	16.7	228
67	Differential changes in titin domain phosphorylation increase myofilament stiffness in failing human hearts. <i>Cardiovascular Research</i> , 2013 , 99, 648-56	9.9	78
66	Cardiomyocyte proliferation contributes to heart growth in young humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 1446-51	11.5	460
65	An antibody-based leukocyte-capture microarray for the diagnosis of systemic lupus erythematosus. <i>PLoS ONE</i> , 2013 , 8, e58199	3.7	8
64	PKC β -specific phosphorylation of the troponin complex in human myocardium: a functional and proteomics analysis. <i>PLoS ONE</i> , 2013 , 8, e74847	3.7	27
63	Computational opportunities for remote collaboration and capacity building afforded by Web 2.0 and cloud computing. <i>Biophysical Reviews</i> , 2012 , 4, 153-160	3.7	2
62	The interactome of LIM domain proteins: the contributions of LIM domain proteins to heart failure and heart development. <i>Proteomics</i> , 2012 , 12, 203-25	4.8	36
61	Contractile dysfunction irrespective of the mutant protein in human hypertrophic cardiomyopathy with normal systolic function. <i>Circulation: Heart Failure</i> , 2012 , 5, 36-46	7.6	95

60	Myocardial and systemic iron depletion in heart failure implications for anemia accompanying heart failure. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 474-80	15.1	91
59	Linker-free covalent thermophilic β -glucosidase functionalized polymeric surfaces. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17832		16
58	SPontaneous Oscillatory Contraction (SPOC): auto-oscillations observed in striated muscle at partial activation. <i>Biophysical Reviews</i> , 2011 , 3, 53-62	3.7	9
57	A 2-D gel reference map of the basic human heart proteome. <i>Proteomics</i> , 2011 , 11, 3582-6	4.8	13
56	A DNA-based assay for toxic chemicals in wastewater. <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 1810-8	3.8	4
55	Heart failure-associated changes in RNA splicing of sarcomere genes. <i>Circulation: Cardiovascular Genetics</i> , 2010 , 3, 138-46		91
54	Formin follows function: a muscle-specific isoform of FHOD3 is regulated by CK2 phosphorylation and promotes myofibril maintenance. <i>Journal of Cell Biology</i> , 2010 , 191, 1159-72	7.3	87
53	Effect of troponin I Ser23/24 phosphorylation on Ca ²⁺ -sensitivity in human myocardium depends on the phosphorylation background. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 48, 954-63	5.8	52
52	Protective effect of phosphorylated Hsp27 in coronary arteries through actin stabilization. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 49, 370-9	5.8	40
51	Normal passive viscoelasticity but abnormal myofibrillar force generation in human hypertrophic cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 49, 737-45	5.8	49
50	More severe cellular phenotype in human idiopathic dilated cardiomyopathy compared to ischemic heart disease. <i>Journal of Muscle Research and Cell Motility</i> , 2010 , 31, 289-301	3.5	32
49	Customising an antibody leukocyte capture microarray for systemic lupus erythematosus: beyond biomarker discovery. <i>Proteomics - Clinical Applications</i> , 2010 , 4, 179-89	3.1	4
48	Using antibody arrays to detect microparticles from acute coronary syndrome patients based on cluster of differentiation (CD) antigen expression. <i>Molecular and Cellular Proteomics</i> , 2009 , 8, 799-804	7.6	14
47	Protein kinase G modulates human myocardial passive stiffness by phosphorylation of the titin springs. <i>Circulation Research</i> , 2009 , 104, 87-94	15.7	296
46	Cardiac myosin-binding protein C mutations and hypertrophic cardiomyopathy: haploinsufficiency, deranged phosphorylation, and cardiomyocyte dysfunction. <i>Circulation</i> , 2009 , 119, 1473-83	16.7	233
45	Intercalated discs: multiple proteins perform multiple functions in non-failing and failing human hearts. <i>Biophysical Reviews</i> , 2009 , 1, 43	3.7	36
44	The use of phosphate-affinity SDS-PAGE to measure the cardiac troponin I phosphorylation site distribution in human heart muscle. <i>Proteomics - Clinical Applications</i> , 2009 , 3, 1371-82	3.1	51
43	Stable and unstable angina: Identifying novel markers on circulating leukocytes. <i>Proteomics - Clinical Applications</i> , 2008 , 2, 90-8	3.1	9

42	Sarcomeric dysfunction in heart failure. <i>Cardiovascular Research</i> , 2008 , 77, 649-58	9.9	123
41	The regulation of muscle contraction: as in life, it keeps getting more complex. <i>Biophysical Journal</i> , 2007 , 93, 4097-8	2.9	2
40	Plasma-Treated Polyethylene Surfaces for Improved Binding of Active Protein. <i>Plasma Processes and Polymers</i> , 2007 , 4, 583-590	3.4	40
39	Quantitative analysis of myofilament protein phosphorylation in small cardiac biopsies. <i>Proteomics - Clinical Applications</i> , 2007 , 1, 1285-90	3.1	64
38	Impaired diastolic function after exchange of endogenous troponin I with C-terminal truncated troponin I in human cardiac muscle. <i>Circulation Research</i> , 2006 , 99, 1012-20	15.7	63
37	The N-terminal fragment of gelsolin inhibits the interaction of DNase I with isolated actin, but not with the cofilin-actin complex. <i>Proteomics</i> , 2005 , 5, 3131-6	4.8	24
36	Genomics, proteomics and bioinformatics of human heart failure. <i>Journal of Muscle Research and Cell Motility</i> , 2003 , 24, 251-60	3.5	31
35	Actin binding proteins: regulation of cytoskeletal microfilaments. <i>Physiological Reviews</i> , 2003 , 83, 433-73	17.9	756
34	Antibody arrays: an embryonic but rapidly growing technology. <i>Drug Discovery Today</i> , 2002 , 7, S143-9	8.8	81
33	Manipulation of the Motility of Protein Molecular Motors on Microfabricated Substrates. <i>Biomedical Microdevices</i> , 2002 , 4, 111-116	3.7	17
32	Heart failure and apoptosis: electrophoretic methods support data from micro- and macro-arrays. A critical review of genomics and proteomics. <i>Proteomics</i> , 2001 , 1, 1481-8	4.8	25
31	Nuclear membrane proteins in failing human dilated cardiomyopathy. <i>Proteomics</i> , 2001 , 1, 1507-12	4.8	5
30	The affinity of chick cofilin for actin increases when actin is complexed with DNase I: formation of a cofilin-actin-DNase I ternary complex. <i>Proteomics</i> , 2001 , 1, 1513-8	4.8	11
29	Determination of P2X1alpha-sarcoglycan (adhalin) expression levels in failing human dilated cardiomyopathic left ventricles. <i>Electrophoresis</i> , 2000 , 21, 3857-62	3.6	6
28	The role of ATP, ADP and divalent cations in the formation of binary and ternary complexes of actin, cofilin and DNase I. <i>Electrophoresis</i> , 2000 , 21, 3863-9	3.6	14
27	Elevated DNase activity and caspase expression in association with apoptosis in failing ischemic sheep left ventricles. <i>Electrophoresis</i> , 1999 , 20, 2046-52	3.6	25
26	Electrophoretic monitoring of pollutants: effect of cations and organic compounds on protein interactions monitored by native gel electrophoresis. <i>Electrophoresis</i> , 1999 , 20, 2053-8	3.6	11
25	Increase in expression of P2X1 receptors in the atria of patients suffering from dilated cardiomyopathy. <i>Electrophoresis</i> , 1999 , 20, 2059-64	3.6	19

24	Actin-binding proteins in mouse C2 myoblasts and myotubes: a combination of affinity chromatography and two-dimensional gel electrophoresis. <i>Electrophoresis</i> , 1998 , 19, 826-33	3.6	7
23	Alterations in the expression of P2X1 receptors in failing and nondiseased human atria. <i>Electrophoresis</i> , 1998 , 19, 856-9	3.6	12
22	Protein changes observed in pacing-induced heart failure using two-dimensional electrophoresis. <i>Electrophoresis</i> , 1998 , 19, 2021-30	3.6	78
21	A conformational change in F-actin when myosin binds: fluorescence resonance energy transfer detects an increase in the radial coordinate of Cys-374. <i>Biochemistry</i> , 1997 , 36, 7353-60	3.2	32
20	Analysis of the binding of deoxyribonuclease I to G-actin by capillary electrophoresis. <i>Electrophoresis</i> , 1997 , 18, 1054-8	3.6	11
19	Two-dimensional gel electrophoresis of actin-binding proteins isolated by affinity chromatography from human skeletal muscle. <i>Electrophoresis</i> , 1997 , 18, 1079-85	3.6	16
18	Elevated DNase I levels in human idiopathic dilated cardiomyopathy: an indicator of apoptosis?. <i>Journal of Molecular and Cellular Cardiology</i> , 1996 , 28, 95-101	5.8	49
17	Structural changes in subdomain 2 of G-actin observed by fluorescence spectroscopy. <i>Biochemical Journal</i> , 1996 , 317 (Pt 2), 605-11	3.8	35
16	Different electrophoretic techniques produce conflicting data in the analysis of myocardial samples from dilated cardiomyopathy patients: protein levels do not necessarily reflect mRNA levels. <i>Electrophoresis</i> , 1996 , 17, 235-8	3.6	9
15	Fluorescence resonance energy transfer within the regulatory light chain of myosin. <i>FEBS Journal</i> , 1994 , 219, 603-10		10
14	Myosin light chain gene expression associated with disease states of the human heart. <i>Journal of Molecular and Cellular Cardiology</i> , 1993 , 25, 577-85	5.8	39
13	Models of the actin monomer and filament from fluorescence resonance-energy transfer. <i>FEBS Journal</i> , 1992 , 205, 591-601		12
12	Flavivirus induces MHC antigen on human myoblasts: a model of autoimmune myositis?. <i>Muscle and Nerve</i> , 1992 , 15, 1271-7	3.4	36
11	The effect of the replacement of ADP with a photoaffinity ATP analogue, 2-azido-ADP, in F-actin on its function. <i>FEBS Letters</i> , 1989 , 250, 328-30	3.8	3
10	Localization of the phalloidin and nucleotide-binding sites on actin. <i>FEBS Journal</i> , 1987 , 162, 583-8		53
9	Interaction of phalloidin with chemically modified actin. <i>FEBS Journal</i> , 1987 , 165, 125-30		30
8	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. <i>FEBS Journal</i> , 1987 , 168, 103-9		10
7	Spatial relationship between the nucleotide-binding site, Lys-61 and Cys-374 in actin and a conformational change induced by myosin subfragment-1 binding. <i>FEBS Journal</i> , 1987 , 168, 339-45		50

6	Structural and functional domains on actin. <i>BioEssays</i> , 1986 , 4, 124-8	4.1	39
5	Conformational changes in actin resulting from Ca ²⁺ /Mg ²⁺ exchange as detected by proton NMR spectroscopy. <i>FEBS Journal</i> , 1985 , 146, 5-8		24
4	Conformational studies of G-actin containing bound lanthanide. <i>FEBS Journal</i> , 1982 , 122, 239-44		21
3	Actin microcrystals and tubes formed in the presence of gadolinium ions. <i>Nature</i> , 1978 , 276, 731-3	50.4	57
2	Is there a third type of filament in striated muscles?. <i>Journal of Biochemistry</i> , 1978 , 84, 235-8	3.1	34
1	Polarization of tryptophan fluorescence from single striated muscle fibers. A molecular probe of contractile state. <i>Journal of General Physiology</i> , 1972 , 59, 103-20	3.4	106