

Brett D Hambly

List of Publications by Year in descending order

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Version: 2024-02-01

124
papers

2,842
citations

212478

28
h-index

232693

48
g-index

128
all docs

128
docs citations

128
times ranked

4362
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of IL-37 and IL-38 in Colorectal Cancer. <i>Frontiers in Medicine</i> , 2022, 9, 811025.	1.2	3
2	Models of cardiovascular surgery biobanking to facilitate translational research and precision medicine. <i>ESC Heart Failure</i> , 2022, 9, 21-30.	1.4	5
3	Simultaneous compound disasters from COVID-19 and catastrophic flooding. <i>Journal of Flood Risk Management</i> , 2022, 15, .	1.6	4
4	The Impact of COVID-19 on Primary Care General Practice Consultations in a Teaching Hospital in Shanghai, China. <i>Frontiers in Medicine</i> , 2021, 8, 642496.	1.2	20
5	Matrix Metalloproteinase-3 (MMP-3) Polymorphisms Are Associated with Prolonged ECG-Derived QTc Interval: A Cross-Sectional Study of the Australian Rural Population. <i>Journal of Personalized Medicine</i> , 2021, 11, 705.	1.1	1
6	Clinical Implications of IL-32, IL-34 and IL-37 in Atherosclerosis: Speculative Role in Cardiovascular Manifestations of COVID-19. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 630767.	1.1	18
7	Oxidative stress in genetically triggered thoracic aortic aneurysm: role in pathogenesis and therapeutic opportunities. <i>Redox Report</i> , 2021, 26, 45-52.	1.4	23
8	Cross-Sectional Study on Health Literacy and Internet Accessibility Among Patients With DM in Gansu, China. <i>Frontiers in Public Health</i> , 2021, 9, 692089.	1.3	2
9	Interleukin-38 in colorectal cancer: a potential role in precision medicine. <i>Cancer Immunology, Immunotherapy</i> , 2020, 69, 69-79.	2.0	18
10	The Epidemiology of COVID-19 in the Gansu and Jinlin Provinces, China. <i>Frontiers in Public Health</i> , 2020, 8, 555550.	1.3	3
11	The Role of Inflammation and Myeloperoxidase-Related Oxidative Stress in the Pathogenesis of Genetically Triggered Thoracic Aortic Aneurysms. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7678.	1.8	34
12	The RNA-binding fragile-X mental retardation protein and its role beyond the brain. <i>Biophysical Reviews</i> , 2020, 12, 903-916.	1.5	11
13	Inverse correlation between Interleukin-34 and gastric cancer, a potential biomarker for prognosis. <i>Cell and Bioscience</i> , 2020, 10, 94.	2.1	13
14	Bibliometric Analysis on COVID-19: A Comparison of Research Between English and Chinese Studies. <i>Frontiers in Public Health</i> , 2020, 8, 477.	1.3	83
15	The epidemiology of reverse transmission of COVID-19 in Gansu Province, China. <i>Travel Medicine and Infectious Disease</i> , 2020, 37, 101741.	1.5	21
16	IL-34, IL-36 and IL-38 in colorectal cancer—key immunoregulators of carcinogenesis. <i>Biophysical Reviews</i> , 2020, 12, 925-930.	1.5	20
17	IL-36 in the colorectal cancer: is interleukin 36 good or bad for the development of colorectal cancer?. <i>BMC Cancer</i> , 2020, 20, 92.	1.1	25
18	Calcium axonemal microtubuli interactions underlie mechanism(s) of primary cilia morphological changes. <i>Journal of Biological Physics</i> , 2018, 44, 53-80.	0.7	3

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19	Epigenetic influences on genetically triggered thoracic aortic aneurysm. <i>Biophysical Reviews</i> , 2018, 10, 1241-1256.	1.5	11
20	Abstract 113: Thoracic Aortic Aneurysms Associated With Bicuspid Aortic Valve Have Altered MicroRNA Expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, .	1.1	0
21	Electrocardiogram QRS duration and associations with telomere length: A cross-sectional analysis in Australian rural diabetic and non-diabetic population. <i>Journal of Electrocardiology</i> , 2017, 50, 450-456.	0.4	4
22	rs9939609 FTO genotype associations with FTO methylation level influences body mass and telomere length in an Australian rural population. <i>International Journal of Obesity</i> , 2017, 41, 1427-1433.	1.6	19
23	Haem-Enzymes Predictive of Coronary Artery Disease Are Present in Thoracic and Abdominal Aortic Aneurysm. <i>Heart Lung and Circulation</i> , 2017, 26, S405.	0.2	2
24	IL-37 and 38 signalling in gestational diabetes. <i>Journal of Reproductive Immunology</i> , 2017, 124, 8-14.	0.8	32
25	ARHGAP18 Protects Against Thoracic Aortic Aneurysm Formation by Mitigating the Synthetic and Proinflammatory Smooth Muscle Cell Phenotype. <i>Circulation Research</i> , 2017, 121, 512-524.	2.0	40
26	The association of uncoupling protein 2 (UCP2) exon 8 insertion/deletion polymorphism and ECG derived QRS duration: A cross-sectional study in an Australian rural population. <i>International Journal of Cardiology</i> , 2017, 228, 507-510.	0.8	1
27	Diabetic retinopathy: reversibility of epigenetic modifications and new therapeutic targets. <i>Cell and Bioscience</i> , 2017, 7, 42.	2.1	30
28	FTO associations with obesity and telomere length. <i>Journal of Biomedical Science</i> , 2017, 24, 65.	2.6	49
29	Thoracic aortic dissection and heritability: forensic implications. <i>Forensic Science, Medicine, and Pathology</i> , 2016, 12, 366-368.	0.6	7
30	Ventricular-vascular Coupling in Marfan and Non-Marfan Aortopathies. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	15
31	Modelling of Double Hit Mutations in Thoracic Aortic Aneurysm Disease that have Variable Impact on Phenotype. <i>Biophysical Journal</i> , 2016, 110, 614a-615a.	0.2	0
32	Interactions between UCP2 SNPs and telomere length exist in the absence of diabetes or pre-diabetes. <i>Scientific Reports</i> , 2016, 6, 33147.	1.6	7
33	LBPS 03-29 THE ASSOCIATION OF CARDIOVASCULAR FACTORS WITH BLOOD PRESSURE IN AN AUSTRALIAN RURAL COMMUNITY. <i>Journal of Hypertension</i> , 2016, 34, e532.	0.3	0
34	Genetics of thoracic aortic aneurysm and dissection. <i>Pathology</i> , 2016, 48, S23.	0.3	0
35	Shortened leukocyte telomere length in type 2 diabetes mellitus: genetic polymorphisms in mitochondrial uncoupling proteins and telomeric pathways. <i>Clinical and Translational Medicine</i> , 2016, 5, 8.	1.7	23
36	Methodological Comparisons of Heart Rate Variability Analysis in Patients With Type 2 Diabetes and Angiotensin Converting Enzyme Polymorphism. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2016, 20, 55-63.	3.9	12

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37	Electrocardiogram derived QRS duration associations with elevated central aortic systolic pressure (CASP) in a rural Australian population. <i>Clinical Hypertension</i> , 2015, 22, 6.	0.7	8
38	Molecular mechanisms of inherited thoracic aortic disease “ from gene variant to surgical aneurysm. <i>Biophysical Reviews</i> , 2015, 7, 105-115.	1.5	8
39	Relationship between Heart Rate Variability and angiotensinogen gene polymorphism in diabetic and control individuals. , 2014, 2014, 6683-6.		1
40	Structural basis for phosphorylation and lysine acetylation cross-talk in a kinase motif associated with myocardial ischemia and cardioprotection.. <i>Journal of Biological Chemistry</i> , 2014, 289, 33875.	1.6	0
41	<scp>TRPV</scp>2 in the Development of Experimental Colitis. <i>Scandinavian Journal of Immunology</i> , 2014, 80, 307-312.	1.3	21
42	Intrinsic synergistic-topological mechanism versus synergistic-topological matrix in microtubule self-organization. <i>EPJ Nonlinear Biomedical Physics</i> , 2014, 2, .	0.8	0
43	Structural Basis for Phosphorylation and Lysine Acetylation Cross-talk in a Kinase Motif Associated with Myocardial Ischemia and Cardioprotection. <i>Journal of Biological Chemistry</i> , 2014, 289, 25890-25906.	1.6	48
44	Cofilin Binding to Globular and Filamentous Actin. <i>Biophysical Journal</i> , 2014, 106, 569a.	0.2	0
45	Connexin-43 Expression: A Therapeutic Target for the Treatment of Ventricular Tachycardia. , 2014, , 351-360.		1
46	Intrinsic microtubule GTP-cap dynamics in semi-confined systems: kinetochore“microtubule interface. <i>Journal of Biological Physics</i> , 2013, 39, 81-98.	0.7	2
47	Mutations in Cardiac Myosin Binding Protein - C Associated with Hypertrophic Cardiomyopathy Alter Structure, F-Actin Binding and Phosphorylation. <i>Biophysical Journal</i> , 2013, 104, 312a.	0.2	0
48	Perturbations of mechanotransduction and aneurysm formation in heritable aortopathies. <i>International Journal of Cardiology</i> , 2013, 169, 7-16.	0.8	29
49	Sirolimus reduces vasculopathy but exacerbates proteinuria in association with inhibition of VEGF and VEGFR in a rat kidney model of chronic allograft dysfunction. <i>Nephrology Dialysis Transplantation</i> , 2013, 28, 327-336.	0.4	18
50	Spinodal decomposition and the emergence of dissipative transient periodic spatio-temporal patterns in acentrosomal microtubule multitudes of different morphology. <i>Chaos</i> , 2013, 23, 023120.	1.0	1
51	Angiotensin-converting enzyme gene DD genotype is associated with increased systolic blood pressure in an Australian Rural Type 2 Diabetic Cohort. <i>Hypertension Research</i> , 2013, 36, 381-382.	1.5	7
52	2P039 Structural defects in fibrillin associated with Marfan syndrome(01B. Protein: Structure & Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.50	0
53	2SDP-05 The role of matrix metalloproteinases in genetic thoracic aortic aneurysm(2SDP ASB-BS) Tj ETQq1 1 0.784314 rgBT /Overlock Seibutsu Butsuri, 2013, 53, S99.	0.0	0
54	Triamcinolone Acetonide Inhibits p38MAPK Activation and Neuronal Apoptosis in Early Diabetic Retinopathy. <i>Current Molecular Medicine</i> , 2013, 13, 946-958.	0.6	33

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55	Dihydroarteminisin inhibits the growth and metastasis of epithelial ovarian cancer. <i>Oncology Reports</i> , 2012, 27, 101-8.	1.2	48
56	Interferon- β deficiency reduces neointimal formation in a model of endoluminal endothelial injury combined with atherogenic diet. <i>International Journal of Molecular Medicine</i> , 2012, 30, 545-552.	1.8	15
57	Metformin inhibits the development and metastasis of ovarian cancer. <i>Oncology Reports</i> , 2012, 28, 903-908.	1.2	69
58	Marfan Syndrome Mutations Predominantly Alter Fibrillin Domain Folding. <i>Biophysical Journal</i> , 2012, 102, 251a.	0.2	0
59	Release of Tissue-specific Proteins into Coronary Perfusate as a Model for Biomarker Discovery in Myocardial Ischemia/Reperfusion Injury. <i>Journal of Proteome Research</i> , 2012, 11, 2114-2126.	1.8	23
60	How can food extracts consumed in the Mediterranean and East Asia suppress prostate cancer proliferation?. <i>British Journal of Nutrition</i> , 2012, 108, 424-430.	1.2	8
61	Weka Machine Learning Classification in Identifying Autonomic Dysfunction Parameters Associated with Ace Insertion/Deletion Genotypes. , 2012, , .		4
62	Quantitative N-linked Glycoproteomics of Myocardial Ischemia and Reperfusion Injury Reveals Early Remodeling in the Extracellular Environment. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.006833.	2.5	101
63	Echocardiography Evaluation of a Novel Stable Ovine Heart Failure Model Suitable for Cardiovascular Device Testing. , 2011, , .		0
64	Granulocyte-macrophage colony-stimulating factor enhances wound healing in diabetes via upregulation of proinflammatory cytokines. <i>British Journal of Dermatology</i> , 2010, 162, 478-486.	1.4	65
65	Increased Total Heart Rate Variability and Enhanced Cardiac Vagal Autonomic Activity in Healthy Humans with Sinus Bradycardia. <i>Baylor University Medical Center Proceedings</i> , 2010, 23, 368-370.	0.2	26
66	Food Extracts Consumed in Mediterranean Countries and East Asia Reduce Protein Concentrations of Androgen Receptor, Phospho-Protein Kinase B, and Phospho-Cytosolic Phospholipase A2 in Human Prostate Cancer Cells. <i>Journal of Nutrition</i> , 2010, 140, 786-791.	1.3	6
67	Stimulation of Mesangial Cells by Angiotensin II and Lipopolysaccharide Increases Expression of Interleukin-18, but Not IL-18 Receptor. <i>Nephron Experimental Nephrology</i> , 2010, 116, e63-e71.	2.4	3
68	GM-CSF deficiency delays neointima formation in a normolipidemic mouse model of endoluminal endothelial damage. <i>Immunology and Cell Biology</i> , 2009, 87, 122-130.	1.0	8
69	Vascular endothelial growth factor-A: A multifunctional molecular player in diabetic retinopathy. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 2368-2371.	1.2	51
70	Binding Studies Between Cofilin And Actin Using Fluorescence Resonance Energy Transfer And Molecular Modeling. <i>Biophysical Journal</i> , 2009, 96, 124a.	0.2	0
71	Protein Comparative Sequence Analysis and Computer Modeling. <i>Methods in Molecular Medicine</i> , 2008, 141, 245-256.	0.8	0
72	Should an angiotensin-converting enzyme inhibitor be given at the time of reperfusion therapy in acute myocardial infarction?. <i>American Heart Journal</i> , 2008, 156, e1.	1.2	50

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73	Dendritic cell derived IL-18 production is inhibited by rapamycin and sanglifehrin A, but not cyclosporine A. <i>Transplant Immunology</i> , 2008, 20, 99-105.	0.6	10
74	Forkhead box protein 3: Essential immune regulatory role. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 2369-2373.	1.2	29
75	IL-18 Contributes to Renal Damage after Ischemia-Reperfusion. <i>Journal of the American Society of Nephrology: JASN</i> , 2008, 19, 2331-2341.	3.0	175
76	Chronic angiotensin-converting enzyme inhibition up-regulates mouse kidney growth arrest specific-6 protein and the AXL subfamily of receptor tyrosine kinases. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2008, 9, 238-241.	1.0	5
77	Actin and Its Binding Proteins in Heart Failure. , 2008, , 318-334.		0
78	Myosin binding protein α : Enigmatic regulator of cardiac contraction. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 2161-2166.	1.2	53
79	Impaired cutaneous wound healing in granulocyte/ macrophage colony-stimulating factor knockout mice. <i>British Journal of Dermatology</i> , 2007, 157, 458-465.	1.4	62
80	Transfer of mouse embryonic stem cells to sheep myocardium. <i>Lancet, The</i> , 2006, 367, 301-302.	6.3	2
81	Ischemia-specific phosphorylation and myofilament translocation of heat shock protein 27 precedes alpha B-crystallin and occurs independently of reactive oxygen species in rabbit myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 40, 761-774.	0.9	37
82	Proteomics of ischemia and reperfusion injuries in rabbit myocardium with and without intervention by an oxygen-free radical scavenger. <i>Proteomics</i> , 2006, 6, 6221-6233.	1.3	31
83	Phytoestrogen derivatives differentially inhibit arterial neointimal proliferation in a mouse model. <i>European Journal of Pharmacology</i> , 2006, 548, 123-128.	1.7	15
84	<i>Oceanimonas smirnovii</i> sp. nov., a novel organism isolated from the Black Sea. <i>Systematic and Applied Microbiology</i> , 2005, 28, 131-136.	1.2	22
85	Proteomics of ischemia/reperfusion injury in rabbit myocardium reveals alterations to proteins of essential functional systems. <i>Proteomics</i> , 2005, 5, 1395-1410.	1.3	91
86	Myosin binding protein C: Structural abnormalities in familial hypertrophic cardiomyopathy. <i>Cell Research</i> , 2004, 14, 95-110.	5.7	53
87	Myosin Regulatory Domain Orientation in Skeletal Muscle Fibers: Application of Novel Electron Paramagnetic Resonance Spectral Decomposition and Molecular Modeling Methods. <i>Biophysical Journal</i> , 2004, 86, 3030-3041.	0.2	14
88	Expression of growth arrest-specific gene γ 26 and its receptors in dysfunctional human renal allografts. <i>Transplant International</i> , 2003, 16, 681-688.	0.8	8
89	Expression of growth arrest-specific gene 6 and its receptors in dysfunctional human renal allografts. <i>Transplant International</i> , 2003, 16, 681-688.	0.8	12
90	Modifications of myosin-regulatory light chain correlate with function of stunned myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2003, 35, 833-840.	0.9	42

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91	Tyramide signal amplification enhances the detectable distribution of connexin-43 positive gap junctions across the ventricular wall of the rabbit heart. <i>Archives of Histology and Cytology</i> , 2003, 66, 359-365.	0.2	6
92	Effect of Treatment on Ventricular Function and Troponin I Proteolysis in Reperfused Myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2002, 34, 401-411.	0.9	20
93	Cofilin and DNase I Affect the Conformation of the Small Domain of Actin. <i>Biophysical Journal</i> , 2002, 82, 3134-3143.	0.2	22
94	Duration of ischaemia determines matrix metalloproteinase-2 activation in the reperfused rabbit heart. <i>Proteomics</i> , 2002, 2, 1204-1210.	1.3	13
95	Functional and spectroscopic studies of a familial hypertrophic cardiomyopathy mutation in Motif X of cardiac myosin binding protein-C. <i>European Biophysics Journal</i> , 2002, 31, 400-408.	1.2	11
96	Expression of growth arrest-specific gene 6 and its receptors in a rat model of chronic renal transplant rejection. <i>Transplantation</i> , 2002, 73, 657-660.	0.5	25
97	Independent Movement of the Regulatory and Catalytic Domains of Myosin Heads Revealed by Phosphorescence Anisotropy. <i>Biochemistry</i> , 2001, 40, 8283-8291.	1.2	12
98	The Regulatory Domain of the Myosin Head Behaves as a Rigid Lever. <i>Biochemistry</i> , 2001, 40, 7868-7873.	1.2	16
99	Growth arrest-specific gene 6 expression in proliferating rabbit vascular smooth muscle cells in vitro and in vivo. <i>Electrophoresis</i> , 2000, 21, 3851-3856.	1.3	14
100	P2X (purinergic) receptor redistribution in rabbit aorta following injury to endothelial cells and cholesterol feeding. <i>Journal of Neurocytology</i> , 2000, 29, 623-631.	1.6	25
101	Cross-sectional infarct edge jaggedness does not influence ventricular electrical stability in a rabbit model of late myocardial infarct healing. <i>Redox Report</i> , 2000, 5, 122-123.	1.4	0
102	Apoptosis of vascular smooth muscle cells induced by cholesterol and its oxides in vitro and in vivo. <i>Atherosclerosis</i> , 2000, 148, 365-374.	0.4	54
103	Growth arrest-specific gene 6 expression in proliferating rabbit vascular smooth muscle cells in vitro and in vivo. , 2000, 21, 3851.		2
104	A Semi-Quantitative PCR Method for the Detection of Low Levels of Apoptotic DNA Fragmentation in a Heart Failure Model.. <i>The Japanese Journal of Physiology</i> , 2000, 50, 281-284.	0.9	2
105	Delay in opening the infarct related coronary artery increases plasma atrial natriuretic peptide levels. <i>European Journal of Pharmacology</i> , 1999, 379, R3-R4.	1.7	2
106	Expression and localisation of stanniocalcin 1 in rat bladder, kidney and ovary. <i>Electrophoresis</i> , 1999, 20, 2071-2076.	1.3	18
107	Intradomain Distances in the Regulatory Domain of the Myosin Head in Prepower and Postpower Stroke States: A Fluorescence Energy Transfer. <i>Biochemistry</i> , 1999, 38, 13026-13034.	1.2	20
108	Evaluation of the risks of using an oversized balloon catheter in the human infrarenal abdominal aorta. <i>European Journal of Vascular and Endovascular Surgery</i> , 1998, 16, 142-147.	0.8	8

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109	EPR and CD spectroscopy of fast myosin light chain conformation during binding of trifluoperazine. FEBS Journal, 1998, 257, 457-465.	0.2	16
110	Direct cloning of polymerase chain reaction products into the pinpoint Xa1-T vector protein expression system. Electrophoresis, 1998, 19, 860-866.	1.3	6
111	Elite endurance athletes and the ACE I allele - the role of genes in athletic performance. Human Genetics, 1998, 103, 48-50.	1.8	328
112	Measuring macromolecular diffusion using heteronuclear multiple-quantum pulsed-field-gradient NMR. Journal of Biomolecular NMR, 1997, 10, 1-8.	1.6	23
113	Separation of tumor necrosis factor $\hat{\pm}$ isoforms by two-dimensional polyacrylamide gel electrophoresis. Electrophoresis, 1997, 18, 1086-1091.	1.3	28
114	Distance measurements near the myosin head-rod junction using fluorescence spectroscopy. Biophysical Journal, 1996, 71, 40-47.	0.2	4
115	Fluorescence resonance energy transfer within the regulatory light chain of myosin. FEBS Journal, 1994, 219, 603-610.	0.2	10
116	Paramagnetic probes attached to a light chain on the myosin head are highly disordered in active muscle fibers. Biophysical Journal, 1992, 63, 1306-1313.	0.2	37
117	Models of the actin monomer and filament from fluorescence resonance-energy transfer. FEBS Journal, 1992, 205, 591-601.	0.2	13
118	Orientation of spin-labeled light chain-2 exchanged onto myosin cross-bridges in glycerinated muscle fibers. Biophysical Journal, 1991, 59, 127-138.	0.2	32
119	Localization of the phalloidin and nucleotide-binding sites on actin. FEBS Journal, 1987, 162, 583-588.	0.2	66
120	Interaction of phalloidin with chemically modified actin. FEBS Journal, 1987, 165, 125-130.	0.2	37
121	Extraction of myosin light chains and actin from bovine cardiac muscle acetone powder. Analytical Biochemistry, 1986, 158, 288-293.	1.1	5
122	Structural and functional domains on actin. BioEssays, 1986, 4, 124-128.	1.2	44
123	Fluorescence energy transfer between nucleotide binding sites in an F-actin filament. BBA - Proteins and Proteomics, 1986, 871, 137-141.	2.1	24
124	Responses of skeletal muscle fibres to lanthanide ions. Dependence of the twitch response on ionic radii. Experientia, 1977, 33, 1042-1044.	1.2	24