Brett D Hambly

List of Publications by Year
in descending order

124 papers	2,842 citations	186265 28 h-index	206112 48 g-index
128 all docs	128 docs citations	128 times ranked	4014 citing authors

#	Article	IF	Citations
1	The Role of IL-37 and IL-38 in Colorectal Cancer. Frontiers in Medicine, 2022, 9, 811025.	2.6	3
2	Models of cardiovascular surgery biobanking to facilitate translational research and precision medicine. ESC Heart Failure, 2022, 9, 21-30.	3.1	5
3	Simultaneous compound disasters from <scp>COVID</scp>â€19 and catastrophic flooding. Journal of Flood Risk Management, 2022, 15, .	3.3	4
4	The Impact of COVID-19 on Primary Care General Practice Consultations in a Teaching Hospital in Shanghai, China. Frontiers in Medicine, 2021, 8, 642496.	2.6	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. Journal of Personalized Medicine, 2021, 11, 705.	2.5	1
6	Clinical Implications of IL-32, IL-34 and IL-37 in Atherosclerosis: Speculative Role in Cardiovascular Manifestations of COVID-19. Frontiers in Cardiovascular Medicine, 2021, 8, 630767.	2.4	18
7	Oxidative stress in genetically triggered thoracic aortic aneurysm: role in pathogenesis and therapeutic opportunities. Redox Report, 2021, 26, 45-52.	4.5	23
8	Cross-Sectional Study on Health Literacy and Internet Accessibility Among Patients With DM in Gansu, China. Frontiers in Public Health, 2021, 9, 692089.	2.7	2
9	Interleukin-38 in colorectal cancer: a potential role in precision medicine. Cancer Immunology, Immunotherapy, 2020, 69, 69-79.	4.2	18
10	The Epidemiology of COVID-19 in the Gansu and Jinlin Provinces, China. Frontiers in Public Health, 2020, 8, 555550.	2.7	3
11	The Role of Inflammation and Myeloperoxidase-Related Oxidative Stress in the Pathogenesis of Genetically Triggered Thoracic Aortic Aneurysms. International Journal of Molecular Sciences, 2020, 21, 7678.	4.1	34
12	The RNA-binding fragile-X mental retardation protein and its role beyond the brain. Biophysical Reviews, 2020, 12, 903-916.	3.2	11
13	Inverse correlation between Interleukin-34 and gastric cancer, a potential biomarker for prognosis. Cell and Bioscience, 2020, 10, 94.	4.8	13
14	Bibliometric Analysis on COVID-19: A Comparison of Research Between English and Chinese Studies. Frontiers in Public Health, 2020, 8, 477.	2.7	83
15	The epidemiology of reverse transmission of COVID-19 in Gansu Province, China. Travel Medicine and Infectious Disease, 2020, 37, 101741.	3.0	21
16	IL-34, IL-36 and IL-38 in colorectal cancerâ€"key immunoregulators of carcinogenesis. Biophysical Reviews, 2020, 12, 925-930.	3.2	20
17	IL-36â€‰s in the colorectal cancer: is interleukin 36 good or bad for the development of colorectal cancer?. BMC Cancer, 2020, 20, 92.	2.6	25
18	Calciumâ€"axonemal microtubuli interactions underlie mechanism(s) of primary cilia morphological changes. Journal of Biological Physics, 2018, 44, 53-80.	1.5	3

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19	Epigenetic influences on genetically triggered thoracic aortic aneurysm. Biophysical Reviews, 2018, 10, 1241-1256.	3.2	11
20	Abstract 113: Thoracic Aortic Aneurysms Associated With Bicuspid Aortic Valve Have Altered MicroRNA Expression. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, .	2.4	0
21	Electrocardiogram QRS duration and associations with telomere length: A cross-sectional analysis in Australian rural diabetic and non-diabetic population. Journal of Electrocardiology, 2017, 50, 450-456.	0.9	4
22	rs9939609 FTO genotype associations with FTO methylation level influences body mass and telomere length in an Australian rural population. International Journal of Obesity, 2017, 41, 1427-1433.	3.4	19
23	Haem-Enzymes Predictive of Coronary Artery Disease Are Present in Thoracic and Abdominal Aortic Aneurysm. Heart Lung and Circulation, 2017, 26, S405.	0.4	2
24	IL-37 and 38 signalling in gestational diabetes. Journal of Reproductive Immunology, 2017, 124, 8-14.	1.9	32
25	ARHGAP18 Protects Against Thoracic Aortic Aneurysm Formation by Mitigating the Synthetic and Proinflammatory Smooth Muscle Cell Phenotype. Circulation Research, 2017, 121, 512-524.	4.5	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. International Journal of Cardiology, 2017, 228, 507-510.	1.7	1
27	Diabetic retinopathy: reversibility of epigenetic modifications and new therapeutic targets. Cell and Bioscience, 2017, 7, 42.	4.8	30
28	FTO associations with obesity and telomere length. Journal of Biomedical Science, 2017, 24, 65.	7.0	49
29	Thoracic aortic dissection and heritability: forensic implications. Forensic Science, Medicine, and Pathology, 2016, 12, 366-368.	1.4	7
30	Ventricularâ€Vascular Coupling in Marfan and Nonâ€Marfan Aortopathies. Journal of the American Heart Association, 2016, 5, .	3.7	15
31	Modelling of Double Hit Mutations in Thoracic Aortic Aneurysm Disease that have Variable Impact on Phenotype. Biophysical Journal, 2016, 110, 614a-615a.	0.5	0
32	Interactions between UCP2 SNPs and telomere length exist in the absence of diabetes or pre-diabetes. Scientific Reports, 2016, 6, 33147.	3.3	7
33	LBPS 03-29 THE ASSOCIATION OF CARDIOVASCULAR FACTORS WITH BLOOD PRESSURE IN AN AUSTRALIAN RURAL COMMUNITY. Journal of Hypertension, 2016, 34, e532.	0.5	0
34	Genetics of thoracic aortic aneurysm and dissection. Pathology, 2016, 48, S23.	0.6	0
35	Shortened leukocyte telomere length in type 2 diabetes mellitus: genetic polymorphisms in mitochondrial uncoupling proteins and telomeric pathways. Clinical and Translational Medicine, 2016, 5, 8.	4.0	23
36	Methodological Comparisons of Heart Rate Variability Analysis in Patients With Type 2 Diabetes and Angiotensin Converting Enzyme Polymorphism. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 55-63.	6.3	12

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37	Electrocardiogram derived QRS duration associations with elevated central aortic systolic pressure (CASP) in a rural Australian population. Clinical Hypertension, 2015, 22, 6.	2.0	8
38	Molecular mechanisms of inherited thoracic aortic disease â€“ from gene variant to surgical aneurysm. Biophysical Reviews, 2015, 7, 105-115.	3.2	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.. Journal of Biological Chemistry, 2014, 289, 33875.	3.4	0
41	<scp>TRPV</scp>2 in the Development of Experimental Colitis. Scandinavian Journal of Immunology, 2014, 80, 307-312.	2.7	21
42	Intrinsic synergistic-topological mechanism versus synergistic-topological matrix in microtubule self-organization. EPJ Nonlinear Biomedical Physics, 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. Journal of Biological Chemistry, 2014, 289, 25890-25906.	3.4	48
44	Cofilin Binding to Globular and Filamentous Actin. Biophysical Journal, 2014, 106, 569a.	0.5	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: kinetochoreâ€“microtubule interface. Journal of Biological Physics, 2013, 39, 81-98.	1.5	2
47	Mutations in Cardiac Myosin Binding Protein - C Associated with Hypertrophic Cardiomyopathy Alter Structure, F-Actin Binding and Phosphorylation. Biophysical Journal, 2013, 104, 312a.	0.5	0
48	Perturbations of mechanotransduction and aneurysm formation in heritable aortopathies. International Journal of Cardiology, 2013, 169, 7-16.	1.7	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. Nephrology Dialysis Transplantation, 2013, 28, 327-336.	0.7	18
50	Spinodal decomposition and the emergence of dissipative transient periodic spatio-temporal patterns in acentrosomal microtubule multitudes of different morphology. Chaos, 2013, 23, 023120.	2.5	1
51	Angiotensin-converting enzyme gene DD genotype is associated with increased systolic blood pressure in an Australian Rural Type 2 Diabetic Cohort. Hypertension Research, 2013, 36, 381-382.	2.7	7
52	2P039 Structural defects in fibrillin associated with Marfan syndrome(01B. Protein: Structure &) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.1	0
53	2SDP-05 The role of matrix metalloproteinases in genetic thoracic aortic aneurysm(2SDP ASB-BSJ) Tj ETQq1 1 0.784314 rgBT /Overlock Seibutsu Butsuri, 2013, 53, S99.	0.1	0
54	Triamcinolone Acetonide Inhibits p38MAPK Activation and Neuronal Apoptosis in Early Diabetic Retinopathy. Current Molecular Medicine, 2013, 13, 946-958.	1.3	33

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55	Dihydroartiminisin inhibits the growth and metastasis of epithelial ovarian cancer. Oncology Reports, 2012, 27, 101-8.	2.6	48
56	Interferon-Î³ deficiency reduces neointimal formation in a model of endoluminal endothelial injury combined with atherogenic diet. International Journal of Molecular Medicine, 2012, 30, 545-552.	4.0	15
57	Metformin inhibits the development and metastasis of ovarian cancer. Oncology Reports, 2012, 28, 903-908.	2.6	69
58	Marfan Syndrome Mutations Predominantly Alter Fibrillin Domain Folding. Biophysical Journal, 2012, 102, 251a.	0.5	0
59	Release of Tissue-specific Proteins into Coronary Perfusate as a Model for Biomarker Discovery in Myocardial Ischemia/Reperfusion Injury. Journal of Proteome Research, 2012, 11, 2114-2126.	3.7	23
60	How can food extracts consumed in the Mediterranean and East Asia suppress prostate cancer proliferation?. British Journal of Nutrition, 2012, 108, 424-430.	2.3	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. Molecular and Cellular Proteomics, 2011, 10, M110.006833.	3.8	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. British Journal of Dermatology, 2010, 162, 478-486.	1.5	65
65	Increased Total Heart Rate Variability and Enhanced Cardiac Vagal Autonomic Activity in Healthy Humans with Sinus Bradycardia. Baylor University Medical Center Proceedings, 2010, 23, 368-370.	0.5	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 A2Î± in Human Prostate Cancer Cells. Journal of Nutrition, 2010, 140, 786-791.	2.9	6
67	Stimulation of Mesangial Cells by Angiotensin II and Lipopolysaccharide Increases Expression of Interleukin-18, but Not IL-18 Receptor. Nephron Experimental Nephrology, 2010, 116, e63-e71.	2.2	3
68	GMâ€CSF deficiency delays neointima formation in a normolipidemic mouse model of endoluminal endothelial damage. Immunology and Cell Biology, 2009, 87, 122-130.	2.3	8
69	Vascular endothelial growth factor-A: A multifunctional molecular player in diabetic retinopathy. International Journal of Biochemistry and Cell Biology, 2009, 41, 2368-2371.	2.8	51
70	Binding Studies Between Cofilin And Actin Using Fluorescence Resonance Energy Transfer And Molecular Modeling. Biophysical Journal, 2009, 96, 124a.	0.5	0
71	Protein Comparative Sequence Analysis and Computer Modeling. Methods in Molecular Medicine, 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?. American Heart Journal, 2008, 156, e1.	2.7	50

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73	Dentritic cell derived IL-18 production is inhibited by rapamycin and sanglifehrin A, but not cyclosporine A. Transplant Immunology, 2008, 20, 99-105.	1.2	10
74	Forkhead box protein 3: Essential immune regulatory role. International Journal of Biochemistry and Cell Biology, 2008, 40, 2369-2373.	2.8	29
75	IL-18 Contributes to Renal Damage after Ischemia-Reperfusion. Journal of the American Society of Nephrology: JASN, 2008, 19, 2331-2341.	6.1	175
76	Chronic angiotensin-converting enzyme inhibition up-regulates mouse kidney growth arrest specific-6 protein and the AXL subfamily of receptor tyrosine kinases. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2008, 9, 238-241.	1.7	5
77	Actin and Its Binding Proteins in Heart Failure. , 2008, , 318-334.		0
78	Myosin binding proteinâ€"C: Enigmatic regulator of cardiac contraction. International Journal of Biochemistry and Cell Biology, 2007, 39, 2161-2166.	2.8	53
79	Impaired cutaneous wound healing in granulocyte/ macrophage colony-stimulating factor knockout mice. British Journal of Dermatology, 2007, 157, 458-465.	1.5	62
80	Transfer of mouse embryonic stem cells to sheep myocardium. Lancet, The, 2006, 367, 301-302.	13.7	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. Journal of Molecular and Cellular Cardiology, 2006, 40, 761-774.	1.9	37
82	Proteomics of ischemia and reperfusion injuries in rabbit myocardium with and without intervention by an oxygen-free radical scavenger. Proteomics, 2006, 6, 6221-6233.	2.2	31
83	Phytoestrogen derivatives differentially inhibit arterial neointimal proliferation in a mouse model. European Journal of Pharmacology, 2006, 548, 123-128.	3.5	15
84	Oceanimonas smirnovii sp. nov., a novel organism isolated from the Black Sea. Systematic and Applied Microbiology, 2005, 28, 131-136.	2.8	22
85	Proteomics of ischemia/reperfusion injury in rabbit myocardium reveals alterations to proteins of essential functional systems. Proteomics, 2005, 5, 1395-1410.	2.2	91
86	Myosin binding protein C: Structural abnormalities in familial hypertrophic cardiomyopathy. Cell Research, 2004, 14, 95-110.	12.0	53
87	Myosin Regulatory Domain Orientation in Skeletal Muscle Fibers: Application of Novel Electron Paramagnetic Resonance Spectral Decomposition and Molecular Modeling Methods. Biophysical Journal, 2004, 86, 3030-3041.	0.5	14
88	Expression of growth arrest-specific geneï¿½6 and its receptors in dysfunctional human renal allografts. Transplant International, 2003, 16, 681-688.	1.6	8
89	Expression of growth arrest-specific gene 6 and its receptors in dysfunctional human renal allografts. Transplant International, 2003, 16, 681-688.	1.6	12
90	Modifications of myosin-regulatory light chain correlate with function of stunned myocardium. Journal of Molecular and Cellular Cardiology, 2003, 35, 833-840.	1.9	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. Archives of Histology and Cytology, 2003, 66, 359-365.	0.2	6
92	Effect of Treatment on Ventricular Function and Troponin I Proteolysis in Reperfused Myocardium. Journal of Molecular and Cellular Cardiology, 2002, 34, 401-411.	1.9	20
93	Cofilin and DNase I Affect the Conformation of the Small Domain of Actin. Biophysical Journal, 2002, 82, 3134-3143.	0.5	22
94	Duration of ischaemia determines matrix metalloproteinase-2 activation in the reperfused rabbit heart. Proteomics, 2002, 2, 1204-1210.	2.2	13
95	Functional and spectroscopic studies of a familial hypertrophic cardiomyopathy mutation in Motif X of cardiac myosin binding protein-C. European Biophysics Journal, 2002, 31, 400-408.	2.2	11
96	Expression of growth arrest???specific gene 6 and its receptors in a rat model of chronic renal transplant rejection. Transplantation, 2002, 73, 657-660.	1.0	25
97	Independent Movement of the Regulatory and Catalytic Domains of Myosin Heads Revealed by Phosphorescence Anisotropyâ€. Biochemistry, 2001, 40, 8283-8291.	2.5	12
98	The Regulatory Domain of the Myosin Head Behaves as a Rigid Leverâ€. Biochemistry, 2001, 40, 7868-7873.	2.5	16
99	Growth arrest-specific gene 6 expression in proliferating rabbit vascular smooth muscle cellsin vitro andin vivo. Electrophoresis, 2000, 21, 3851-3856.	2.4	14
100	P2X (purinergic) receptor redistribution in rabbit aorta following injury to endothelial cells and cholesterol feeding. Journal of Neurocytology, 2000, 29, 623-631.	1.5	25
101	Cross-sectional infarct edge jaggedness does not influence ventricular electrical stability in a rabbit model of late myocardial infarct healing. Redox Report, 2000, 5, 122-123.	4.5	0
102	Apoptosis of vascular smooth muscle cells induced by cholesterol and its oxides in vitro and in vivo. Atherosclerosis, 2000, 148, 365-374.	0.8	54
103	Growth arrest-specific gene 6 expression in proliferating rabbit vascular smooth muscle cells in vitro and in vivo. Electrophoresis, 2000, 21, 3851-3856.	2.4	2
104	A Semi-Quantitative PCR Method for the Detection of Low Levels of Apoptotic DNA Fragmentation in a Heart Failure Model.. The Japanese Journal of Physiology, 2000, 50, 281-284.	0.9	2
105	Delay in opening the infarct related coronary artery increases plasma atrial natriuretic peptide levels. European Journal of Pharmacology, 1999, 379, R3-R4.	3.5	2
106	Expression and localisation of stanniocalcin 1 in rat bladder, kidney and ovary. Electrophoresis, 1999, 20, 2071-2076.	2.4	18
107	Intradomain Distances in the Regulatory Domain of the Myosin Head in Prepower and Postpower Stroke States:Â Fluorescence Energy Transferâ€. Biochemistry, 1999, 38, 13026-13034.	2.5	20
108	Evaluation of the risks of using an oversized balloon catheter in the human infrarenal abdominal aorta. European Journal of Vascular and Endovascular Surgery, 1998, 16, 142-147.	1.5	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.	2.4	6
111	Elite endurance athletes and the ACE I allele - the role of genes in athletic performance. Human Genetics, 1998, 103, 48-50.	3.8	328
112	Measuring macromolecular diffusion using heteronuclear multiple-quantum pulsed-field-gradient NMR. Journal of Biomolecular NMR, 1997, 10, 1-8.	2.8	23
113	Separation of tumor necrosis factor Î± isoforms by two-dimensional polyacrylamide gel electrophoresis. Electrophoresis, 1997, 18, 1086-1091.	2.4	28
114	Distance measurements near the myosin head-rod junction using fluorescence spectroscopy. Biophysical Journal, 1996, 71, 40-47.	0.5	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.	0.5	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.	0.5	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.	2.4	5
122	Structural and functional domains on actin. BioEssays, 1986, 4, 124-128.	2.5	44
123	Fluorescence energy transfer between nucleotide binding sites in an F-action 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