

# Edward R O brien

## 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.

106  
papers

4,807  
citations

34  
h-index

68  
g-index

116  
ext. papers

5,247  
ext. citations

6.4  
avg, IF

4.95  
L-index

#	Paper	IF	Citations
106	HSP25 Vaccination Attenuates Atherogenesis via Upregulation of LDLR Expression, Lowering of PCSK9 Levels and Curbing of Inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, e338-e353	9.4	3
105	Role of Heat Shock Protein 27 in Modulating Atherosclerotic Inflammation. <i>Journal of Cardiovascular Translational Research</i> , <b>2021</b> , 14, 3-12	3.3	8
104	Unlike estrogens that increase PCSK9 levels post-menopause HSP27 vaccination lowers cholesterol levels and atherogenesis due to divergent effects on PCSK9 and LDLR. <i>Pharmacological Research</i> , <b>2020</b> , 161, 105222	10.2	4
103	Sex differences in COVID-19 mortality: opportunity to develop HSP27 (HSPB1) immunotherapy to treat hyper-inflammation?. <i>Cell Stress and Chaperones</i> , <b>2020</b> , 25, 725-729	4	6
102	Heat shock protein 27 immune complex altered signaling and transport (ICAST): Novel mechanisms of attenuating inflammation. <i>FASEB Journal</i> , <b>2020</b> , 34, 14287-14301	0.9	4
101	Biophysical analyses and functional implications of the interaction between Heat Shock Protein 27 and antibodies to HSP27. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2019</b> , 1863, 1536-1546	4	2
100	4-Phenylbutyrate protects against atherosclerotic lesion growth by increasing the expression of HSP25 in macrophages and in the circulation of mice. <i>FASEB Journal</i> , <b>2019</b> , 33, 8406-8422	0.9	9
99	Characterization of heat shock protein 27 in extracellular vesicles: a potential anti-inflammatory therapy. <i>FASEB Journal</i> , <b>2019</b> , 33, 1617-1630	0.9	27
98	Prophylactic salpingo-oophorectomy & surgical menopause for inherited risks of cancer: the need to identify biomarkers to assess the theoretical risk of premature coronary artery disease. <i>Women's Midlife Health</i> , <b>2018</b> , 4, 7	2.3	2
97	Heat shock protein-27 and sex-selective regulation of muscarinic and proteinase-activated receptor 2-mediated vasodilatation: differential sensitivity to endothelial NOS inhibition. <i>British Journal of Pharmacology</i> , <b>2018</b> , 175, 2063-2076	8.6	6
96	Coronary Stenting <b>2018</b> , 623-639		1
95	Reduced expression of cardiac ryanodine receptor protects against stress-induced ventricular tachyarrhythmia, but increases the susceptibility to cardiac alternans. <i>Biochemical Journal</i> , <b>2018</b> , 475, 169-183	3.8	6
94	Coronary artery disease in post-menopausal women: are there appropriate means of assessment?. <i>Clinical Science</i> , <b>2018</b> , 132, 1937-1952	6.5	12
93	Heat shock protein 27-derived atheroprotection involves reverse cholesterol transport that is dependent on GM-CSF to maintain ABCA1 and ABCG1 expression in ApoE mice. <i>FASEB Journal</i> , <b>2017</b> , 31, 2364-2379	0.9	21
92	Recombinant heat shock protein 27 (HSP27/HSPB1) protects against cadmium-induced oxidative stress and toxicity in human cervical cancer cells. <i>Cell Stress and Chaperones</i> , <b>2017</b> , 22, 357-369	4	14
91	Extracellular Release and Signaling by Heat Shock Protein 27: Role in Modifying Vascular Inflammation. <i>Frontiers in Immunology</i> , <b>2016</b> , 7, 285	8.4	73
90	Impact of Center Experience on Patient Radiation Exposure During Transradial Coronary Angiography and Percutaneous Intervention: A Patient-Level, International, Collaborative, Multi-Center Analysis. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	15

89	Role of mutation and pharmacologic block of human KCNH2 in vasculogenesis and fetal mortality: partial rescue by transforming growth factor- $\beta$ . <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2015</b> , 8, 420-8	6.4	7
88	Clinical outcomes among patients with extreme obesity undergoing elective coronary revascularization: Evaluation of major complications in contemporary practice. <i>International Journal of Cardiology</i> , <b>2015</b> , 186, 266-72	3.2	4
87	Platelet reactivity following high loading doses of clopidogrel in patients undergoing primary percutaneous coronary angioplasty: A pilot study. <i>Clinical Trials and Regulatory Science in Cardiology</i> , <b>2015</b> , 10, 7-12		1
86	The effects of knockdown of rho-associated kinase 1 and zipper-interacting protein kinase on gene expression and function in cultured human arterial smooth muscle cells. <i>PLoS ONE</i> , <b>2015</b> , 10, e0116969	3.7	8
85	The evolution of coronary stents: a brief review. <i>Canadian Journal of Cardiology</i> , <b>2014</b> , 30, 35-45	3.8	101
84	Glycogen synthase kinase-3 $\beta$ inhibition augments diabetic endothelial progenitor cell abundance and functionality via cathepsin B: a novel therapeutic opportunity for arterial repair. <i>Diabetes</i> , <b>2014</b> , 63, 1410-21	0.9	10
83	Heat shock protein 27 attenuates neointima formation and accelerates reendothelialization after arterial injury and stent implantation: importance of vascular endothelial growth factor up-regulation. <i>FASEB Journal</i> , <b>2014</b> , 28, 594-602	0.9	18
82	Giant saphenous vein graft aneurysm presenting as ST-elevation myocardial infarction. <i>Circulation Journal</i> , <b>2014</b> , 78, 769-71	2.9	4
81	A novel stretching platform for applications in cell and tissue mechanobiology. <i>Journal of Visualized Experiments</i> , <b>2014</b> ,	1.6	4
80	Granulocyte colony-stimulating factor therapy for stem cell mobilization following anterior wall myocardial infarction: the CAPITAL STEM MI randomized trial. <i>Cmaj</i> , <b>2014</b> , 186, E427-34	3.5	5
79	Circulating endothelial progenitor cells in HIV infection: a systematic review. <i>Trends in Cardiovascular Medicine</i> , <b>2013</b> , 23, 192-200	6.9	11
78	Heat shock protein-27 attenuates foam cell formation and atherogenesis by down-regulating scavenger receptor-A expression via NF- $\kappa$ B signaling. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2013</b> , 1831, 1721-8	5	19
77	Serum heat shock protein 27 levels represent a potential therapeutic target for atherosclerosis: observations from a human cohort and treatment of female mice. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 62, 1446-54	15.1	48
76	Percutaneous coronary intervention with or without on-site coronary artery bypass surgery: a systematic review and meta-analysis. <i>International Journal of Cardiology</i> , <b>2013</b> , 167, 197-204	3.2	10
75	Extracellular HSP27 acts as a signaling molecule to activate NF- $\kappa$ B in macrophages. <i>Cell Stress and Chaperones</i> , <b>2013</b> , 18, 53-63	4	88
74	The effect of statins on circulating endothelial progenitor cells in humans: a systematic review. <i>Journal of Cardiovascular Pharmacology</i> , <b>2013</b> , 62, 491-6	3.1	30
73	Neuroimmune guidance cue Semaphorin 3E is expressed in atherosclerotic plaques and regulates macrophage retention. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 886-93	9.4	91
72	Response to letter regarding article, "Bivalirudin for primary percutaneous coronary interventions: outcome assessment in the Ottawa STEMI registry". <i>Circulation: Cardiovascular Interventions</i> , <b>2013</b> , 6, e27	6	

71	Chronic over-expression of heat shock protein 27 attenuates atherogenesis and enhances plaque remodeling: a combined histological and mechanical assessment of aortic lesions. <i>PLoS ONE</i> , <b>2013</b> , 8, e55867	3.7	31
70	Point-of-care genetic testing for personalisation of antiplatelet treatment (RAPID GENE): a prospective, randomised, proof-of-concept trial. <i>Lancet, The</i> , <b>2012</b> , 379, 1705-11	4.0	285
69	Transbrachial insertion of an intra-aortic balloon pump for high-risk percutaneous coronary intervention. <i>Clinical Research in Cardiology</i> , <b>2012</b> , 101, 857-60	6.1	1
68	RACER renal stents for large diameter left main coronary artery intervention. <i>International Journal of Cardiology</i> , <b>2012</b> , 156, e68-70	3.2	3
67	Infective endocarditis presenting as ST-elevation myocardial infarction: an angiographic diagnosis. <i>Canadian Journal of Cardiology</i> , <b>2012</b> , 28, 515.e15-7	3.8	11
66	Reduction in mortality as a result of direct transport from the field to a receiving center for primary percutaneous coronary intervention. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 60, 1223-30	15.1	55
65	Transradial versus transfemoral artery approach for coronary angiography and percutaneous coronary intervention in the extremely obese. <i>JACC: Cardiovascular Interventions</i> , <b>2012</b> , 5, 819-26	5	58
64	Unprotected left main coronary artery stenting with zotarolimus (Endeavor) drug-eluting stents: a single center retrospective experience. <i>Catheterization and Cardiovascular Interventions</i> , <b>2012</b> , 80, E15-22	2.7	8
63	Circulating endothelial progenitor cell levels are not reduced in HIV-infected men. <i>Journal of Infectious Diseases</i> , <b>2012</b> , 205, 713-7	7	16
62	Reply to: Cardiovascular Disease Risk in HIV Infection and Endothelial Progenitor Cells. <i>Journal of Infectious Diseases</i> , <b>2012</b> , 206, 1480-1481	7	
61	Bivalirudin for primary percutaneous coronary interventions: outcome assessment in the Ottawa STEMI registry. <i>Circulation: Cardiovascular Interventions</i> , <b>2012</b> , 5, 805-12	6	28
60	Natural history and management of aortocoronary saphenous vein graft aneurysms: a systematic review of published cases. <i>Circulation</i> , <b>2012</b> , 126, 2248-56	16.7	90
59	Endothelial Progenitors and Repair of Cardiovascular Disease <b>2012</b> , 97-107		
58	Attenuation of atherogenesis via the anti-inflammatory effects of the selective estrogen receptor beta modulator 8VE2. <i>Journal of Cardiovascular Pharmacology</i> , <b>2011</b> , 58, 399-405	3.1	17
57	Usefulness of mean platelet volume as a biomarker for long-term outcomes after percutaneous coronary intervention. <i>American Journal of Cardiology</i> , <b>2011</b> , 107, 204-9	3	59
56	Coronary stent fracture. <i>Cmaj</i> , <b>2011</b> , 183, E756	3.5	6
55	Pre-procedural atorvastatin mobilizes endothelial progenitor cells: clues to the salutary effects of statins on healing of stented human arteries. <i>PLoS ONE</i> , <b>2011</b> , 6, e16413	3.7	28
54	Delayed re-endothelialization with rapamycin-coated stents is rescued by the addition of a glycogen synthase kinase-3beta inhibitor. <i>Cardiovascular Research</i> , <b>2010</b> , 86, 338-45	9.9	42

53	Gene dosage of the common variant 9p21 predicts severity of coronary artery disease. <i>Journal of the American College of Cardiology</i> , <b>2010</b> , 56, 479-86	15.1	121
52	Cardiovascular complications of Salmonella enteritidis infection. <i>Canadian Journal of Cardiology</i> , <b>2010</b> , 26, 323-5	3.8	17
51	Heat shock protein 27: clue to understanding estrogen-mediated atheroprotection?. <i>Trends in Cardiovascular Medicine</i> , <b>2010</b> , 20, 54-8	6.9	29
50	Inhibition of endothelial progenitor cell glycogen synthase kinase-3beta results in attenuated neointima formation and enhanced re-endothelialization after arterial injury. <i>Cardiovascular Research</i> , <b>2009</b> , 83, 16-23	9.9	39
49	Heat shock protein 27 protects against atherogenesis via an estrogen-dependent mechanism: role of selective estrogen receptor beta modulation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 1751-6	9.4	59
48	Primary percutaneous coronary angioplasty with and without eptifibatide in ST-segment elevation myocardial infarction: a safety and efficacy study of integrilin-facilitated versus primary percutaneous coronary intervention in ST-segment elevation myocardial infarction (ASSIST).	6	40
47	Discovery of NM23-H2 as an estrogen receptor beta-associated protein: role in estrogen-induced gene transcription and cell migration. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2008</b> , 108, 72-81	5.1	30
46	Extracellular release of the atheroprotective heat shock protein 27 is mediated by estrogen and competitively inhibits acLDL binding to scavenger receptor-A. <i>Circulation Research</i> , <b>2008</b> , 103, 133-41	15.7	102
45	Letter by Hibbert et al regarding article, "Smooth muscle cells healing atherosclerotic plaque disruptions are of local, not blood, origin in apolipoprotein E knockout mice". <i>Circulation</i> , <b>2008</b> , 117, e317; author reply e318	16.7	1
44	A citywide protocol for primary PCI in ST-segment elevation myocardial infarction. <i>New England Journal of Medicine</i> , <b>2008</b> , 358, 231-40	59.2	323
43	Contribution of recipient-derived cells in allograft neointima formation and the response to stent implantation. <i>PLoS ONE</i> , <b>2008</b> , 3, e1894	3.7	10
42	NM23-H2, an estrogen receptor beta-associated protein, shows diminished expression with progression of atherosclerosis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2007</b> , 292, R743-50	3.2	15
41	The interaction and cellular localization of HSP27 and ERbeta are modulated by 17beta-estradiol and HSP27 phosphorylation. <i>Molecular and Cellular Endocrinology</i> , <b>2007</b> , 270, 33-42	4.4	34
40	Comparison of early mortality of paramedic-diagnosed ST-segment elevation myocardial infarction with immediate transport to a designated primary percutaneous coronary intervention center to that of similar patients transported to the nearest hospital. <i>American Journal of Cardiology</i> , <b>2006</b> , 98, 1888-93	3	84
39	Regulation of components of the brain and cardiac renin-angiotensin systems by 17beta-estradiol after myocardial infarction in female rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2006</b> , 291, R155-62	3.2	10
38	Comparison of processing and sectioning methodologies for arteries containing metallic stents. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2006</b> , 54, 673-81	3.4	52
37	Combined angioplasty and pharmacological intervention versus thrombolysis alone in acute myocardial infarction (CAPITAL AMI study). <i>Journal of the American College of Cardiology</i> , <b>2005</b> , 46, 417-24	15.1	175
36	Modulation of estrogen signaling by the novel interaction of heat shock protein 27, a biomarker for atherosclerosis, and estrogen receptor beta: mechanistic insight into the vascular effects of estrogens. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, e10-4	9.4	67

35	17beta-estradiol downregulates tissue angiotensin-converting enzyme and ANG II type 1 receptor in female rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2005</b> , 288, R759-66	3.2	109
34	Current understanding of in-stent restenosis and the potential benefit of drug eluting stents. <i>Current Drug Targets Cardiovascular &amp; Haematological Disorders</i> , <b>2004</b> , 4, 103-17		14
33	Novel antiinflammatory vascular benefits of systemic and stent-based delivery of ethylisopropylamiloride. <i>Circulation</i> , <b>2004</b> , 110, 3721-6	16.7	14
32	Antagonism of the alpha4 integrin subunit attenuates the acute inflammatory response to stent implantation yet is insufficient to prevent late intimal formation. <i>Journal of Leukocyte Biology</i> , <b>2004</b> , 75, 1016-21	6.5	8
31	c-kit-immunopositive vascular progenitor cells populate human coronary in-stent restenosis but not primary atherosclerotic lesions. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2004</b> , 287, H518-24	5.2	39
30	Novel anti-inflammatory properties of the Na <sup>+</sup> /H <sup>+</sup> exchange inhibitor ethylisopropylamiloride result in attenuation of atherogenesis in apolipoprotein E-deficient mice. <i>International Congress Series</i> , <b>2004</b> , 1262, 418-421		
29	Hospitalization costs of primary stenting versus thrombolysis in acute myocardial infarction: cost analysis of the Canadian STAT Study. <i>Circulation</i> , <b>2003</b> , 108, 2624-30	16.7	32
28	Involvement of progenitor cells in vascular repair. <i>Trends in Cardiovascular Medicine</i> , <b>2003</b> , 13, 322-6	6.9	40
27	Ethyl isopropyl amiloride inhibits smooth muscle cell proliferation and migration by inducing apoptosis and antagonizing urokinase plasminogen activator activity. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2003</b> , 81, 730-9	2.4	20
26	Human in-stent restenosis tissue obtained by means of coronary atherectomy consists of an abundant proteoglycan matrix with a paucity of cell proliferation. <i>American Heart Journal</i> , <b>2002</b> , 144, 702-9	4.9	9
25	Human in-stent restenosis tissue obtained by means of coronary atherectomy consists of an abundant proteoglycan matrix with a paucity of cell proliferation. <i>American Heart Journal</i> , <b>2002</b> , 144, 702-709	4.9	34
24	Abundance of plaque microvessels is associated with constrictive remodeling in angioplastied human coronary arteries. <i>Japanese Circulation Journal</i> , <b>2001</b> , 65, 429-33		1
23	Evaluation of myocardial perfusion using rubidium-82 positron emission tomography after myocardial infarction in patients receiving primary stent implantation or thrombolytic therapy. <i>American Journal of Cardiology</i> , <b>2001</b> , 88, 886-9, A6	3	12
22	Stenting versus thrombolysis in acute myocardial infarction trial (STAT). <i>Journal of the American College of Cardiology</i> , <b>2001</b> , 37, 985-91	15.1	83
21	Endoglin is overexpressed after arterial injury and is required for transforming growth factor-beta-induced inhibition of smooth muscle cell migration. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2000</b> , 20, 2546-52	9.4	70
20	Replication in restenotic atherectomy tissue. <i>Atherosclerosis</i> , <b>2000</b> , 152, 117-26	3.1	17
19	Time course and importance of neoadventitial formation in arterial remodeling following balloon angioplasty of porcine coronary arteries. <i>Cardiovascular Research</i> , <b>1999</b> , 41, 255-66	9.9	40
18	Adventitial angiogenesis early after coronary angioplasty : correlation with arterial remodeling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>1999</b> , 19, 229-38	9.4	43



17	Establishing an approach for patients with recent coronary occlusion: identification of viable myocardium. <i>Journal of Nuclear Cardiology</i> , <b>1999</b> , 6, 298-305	2.1	5
16	Predictors of long-term outcome after stent implantation in a saphenous vein graft. <i>American Journal of Cardiology</i> , <b>1999</b> , 83, 681-6	3	33
15	Late clinical and angiographic follow-up after stenting in evolving and recent myocardial infarction. <i>American Heart Journal</i> , <b>1998</b> , 135, 714-8	4.9	2
14	Arterial expression of the plasminogen activator system early after cardiac transplantation. <i>Cardiovascular Research</i> , <b>1997</b> , 35, 241-9	9.9	18
13	Arterial wall neovascularization--potential role in atherosclerosis and restenosis. <i>Japanese Circulation Journal</i> , <b>1997</b> , 61, 893-904		19
12	The importance of thrombus organization and stellate cell phenotype in collagen I gene expression in human, coronary atherosclerotic and restenotic lesions. <i>Cardiovascular Research</i> , <b>1996</b> , 32, 496-502	9.9	4
11	Usefulness of intracoronary stenting in acute myocardial infarction. <i>American Journal of Cardiology</i> , <b>1996</b> , 78, 148-152	3	20
10	Beta ig-h3, a transforming growth factor-beta-inducible gene, is overexpressed in atherosclerotic and restenotic human vascular lesions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>1996</b> , 16, 576-84	9.4	79
9	The importance of thrombus organization and stellate cell phenotype in collagen I gene expression in human, coronary atherosclerotic and restenotic lesions. <i>Cardiovascular Research</i> , <b>1996</b> , 32, 496-502	9.9	2
8	Detection of Chlamydia pneumoniae TWAR in human coronary atherectomy tissues. <i>Journal of Infectious Diseases</i> , <b>1995</b> , 172, 585-8	7	300
7	968-23 Evaluation of Proliferation in Human Atherectomy Specimens Using In Situ Hybridization for Histone H3. <i>Journal of the American College of Cardiology</i> , <b>1995</b> , 25, 240A	15.1	3
6	In vitro susceptibility of human vascular wall cells to infection with Chlamydia pneumoniae. <i>Journal of Clinical Microbiology</i> , <b>1995</b> , 33, 2411-4	9.7	136
5	The intima. Soil for atherosclerosis and restenosis. <i>Circulation Research</i> , <b>1995</b> , 77, 445-65	15.7	638
4	Update on the biology and clinical study of restenosis. <i>Trends in Cardiovascular Medicine</i> , <b>1994</b> , 4, 169-786.9		37
3	Proliferation in primary and restenotic coronary atherectomy tissue. Implications for antiproliferative therapy. <i>Circulation Research</i> , <b>1993</b> , 73, 223-31	15.7	301
2	Heat Shock Protein 27 Immune Complex Upregulates LDLR Expression Thereby Reducing Plasma Cholesterol and Atherogenesis		3
1	Heat Shock Protein 27 Immune Complex Altered Signaling and Transport (ICAST): Novel Mechanisms of Attenuating Inflammation		2