

Pierre Hardy

List of Publications by Year in descending order

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68
papers

3,247
citations

159585

30
h-index

149698

56
g-index

70
all docs

70
docs citations

70
times ranked

3960
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of Isoprostane-like Compounds (Neuroprostanes) in Vivo from Docosahexaenoic Acid. <i>Journal of Biological Chemistry</i> , 1998, 273, 13605-13612.	3.4	377
2	The succinate receptor GPR91 in neurons has a major role in retinal angiogenesis. <i>Nature Medicine</i> , 2008, 14, 1067-1076.	30.7	317
3	Retinopathy of prematurity: understanding ischemic retinal vasculopathies at an extreme of life. <i>Journal of Clinical Investigation</i> , 2010, 120, 3022-3032.	8.2	213
4	Microglia and Interleukin-1 β in Ischemic Retinopathy Elicit Microvascular Degeneration Through Neuronal Semaphorin-3A. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 1881-1891.	2.4	127
5	Prostaglandin G/H Synthase-2 Is a Major Contributor of Brain Prostaglandins in the Newborn. <i>Journal of Biological Chemistry</i> , 1995, 270, 24615-24620.	3.4	125
6	Lymphocytic microparticles inhibit angiogenesis by stimulating oxidative stress and negatively regulating VEGF-induced pathways. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R467-R476.	1.8	92
7	Trans-arachidonic acids generated during nitrate stress induce a thrombospondin-1-dependent microvascular degeneration. <i>Nature Medicine</i> , 2005, 11, 1339-1345.	30.7	89
8	New insights into the retinal circulation: Inflammatory lipid mediators in ischemic retinopathy. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2005, 72, 301-325.	2.2	88
9	The Dual Regulatory Role of miR-181a in Breast Cancer. <i>Cellular Physiology and Biochemistry</i> , 2017, 44, 843-856.	1.6	82
10	MicroRNA signatures in vitreous humour and plasma of patients with exudative AMD. <i>Oncotarget</i> , 2016, 7, 19171-19184.	1.8	75
11	A Major Role for Prostacyclin in Nitric Oxide-Induced Ocular Vasorelaxation in the Piglet. <i>Circulation Research</i> , 1998, 83, 721-729.	4.5	72
12	CD36 plays an important role in the clearance of oxLDL and associated age-dependent sub-retinal deposits. <i>Aging</i> , 2010, 2, 981-989.	3.1	72
13	Hypoxia Up-regulates CD36 Expression and Function via Hypoxia-inducible Factor-1- and Phosphatidylinositol 3-Kinase-dependent Mechanisms. <i>Journal of Biological Chemistry</i> , 2009, 284, 26695-26707.	3.4	67
14	Understanding ischemic retinopathies: emerging concepts from oxygen-induced retinopathy. <i>Documenta Ophthalmologica</i> , 2010, 120, 51-60.	2.2	66
15	Subcellular localization of coagulation factor II receptor-like 1 in neurons governs angiogenesis. <i>Nature Medicine</i> , 2014, 20, 1165-1173.	30.7	65
16	Redox-dependent effects of nitric oxide on microvascular integrity in oxygen-induced retinopathy. <i>Free Radical Biology and Medicine</i> , 2004, 37, 1885-1894.	2.9	64
17	Co-delivery of miR-181a and melphalan by lipid nanoparticles for treatment of seeded retinoblastoma. <i>Journal of Controlled Release</i> , 2019, 298, 177-185.	9.9	64
18	Increased Nitric Oxide Synthesis and Action Preclude Choroidal Vasoconstriction to Hyperoxia in Newborn Pigs. <i>Circulation Research</i> , 1996, 79, 504-511.	4.5	60

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19	Nitric Oxide in Retinal and Choroidal Blood Flow Autoregulation in Newborn Pigs: Interactions with Prostaglandins. <i>Pediatric Research</i> , 1996, 39, 487-493.	2.3	56
20	Expression of cyclooxygenases in ductus arteriosus of fetal and newborn pigs. <i>American Journal of Obstetrics and Gynecology</i> , 1998, 179, 1618-1626.	1.3	55
21	Prolonged Hypercapnia-Evoked Cerebral Hyperemia via K ⁺ Channel ⁺ and Prostaglandin E ₂ ⁺ Dependent Endothelial Nitric Oxide Synthase Induction. <i>Circulation Research</i> , 2000, 87, 1149-1156.	4.5	54
22	Activation of CD36 Inhibits and Induces Regression of Inflammatory Corneal Neovascularization. <i>Investigative Ophthalmology and Visual Science</i> , 2006, 47, 4356-4364.	3.3	54
23	A novel mechanism for vasoconstrictor action of 8-isoprostaglandin F ₂ ± on retinal vessels. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1998, 274, R1406-R1416.	1.8	53
24	Hyperoxic Exposure Leads to Nitritative Stress and Ensuing Microvascular Degeneration and Diminished Brain Mass and Function in the Immature Subject. <i>Stroke</i> , 2006, 37, 2807-2815.	2.0	53
25	Developmental Changes in Prostaglandin E ₂ Receptor Subtypes in Porcine Ductus Arteriosus. <i>Circulation</i> , 1999, 100, 1751-1756.	1.6	44
26	Clinical applications of nanomedicines in lung cancer treatment. <i>Acta Biomaterialia</i> , 2021, 121, 134-142.	8.3	42
27	Lysophosphatidic acid induces endothelial cell death by modulating the redox environment. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R1174-R1183.	1.8	41
28	CONTROL OF CEREBRAL AND OCULAR BLOOD FLOW AUTOREGULATION IN NEONATES. <i>Pediatric Clinics of North America</i> , 1997, 44, 137-152.	1.8	40
29	Low density lipoprotein receptor mediates anti-VEGF effect of lymphocyte T-derived microparticles in Lewis lung carcinoma cells. <i>Cancer Biology and Therapy</i> , 2010, 10, 448-456.	3.4	37
30	Fatty Acid Receptor Gpr40 Mediates Neuromicrovascular Degeneration Induced by Transarachidonic Acids in Rodents. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 954-961.	2.4	32
31	The Role of Lysophosphatidic Acid Receptor (LPA ₁) in the Oxygen-Induced Retinal Ganglion Cell Degeneration. , 2009, 50, 1290.		30
32	Role of receptor-mediated endocytosis in the antiangiogenic effects of human T lymphoblastic cell-derived microparticles. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 302, R941-R949.	1.8	28
33	Light Induces Peroxidation in Retina by Activating Prostaglandin G/H Synthase. <i>Free Radical Biology and Medicine</i> , 1997, 23, 885-897.	2.9	27
34	Retinal Neurons Curb Inflammation and Enhance Revascularization in Ischemic Retinopathies via Proteinase-Activated Receptor-2. <i>American Journal of Pathology</i> , 2015, 185, 581-595.	3.8	25
35	Mechanisms of the biphasic effects of peroxides on the retinal vasculature of newborn and adult pigs. <i>Experimental Eye Research</i> , 1995, 61, 285-292.	2.6	23
36	trans-Arachidonic acids induce a heme oxygenase-dependent vasorelaxation of cerebral microvasculature. <i>Free Radical Biology and Medicine</i> , 2008, 44, 815-825.	2.9	23

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37	Hypercapnia prevents neovascularization via nitrate stress. <i>Free Radical Biology and Medicine</i> , 2006, 40, 543-553.	2.9	22
38	Lymphocyte-derived microparticles induce apoptosis of airway epithelial cells through activation of p38 MAPK and production of arachidonic acid. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2014, 19, 1113-1127.	4.9	21
39	Prevention of Postasphyxia Electroretinal Dysfunction with a Pyridoxal Hydrazone. <i>Free Radical Biology and Medicine</i> , 1997, 22, 11-16.	2.9	20
40	Lymphocytic Microparticles Modulate Angiogenic Properties of Macrophages in Laser-induced Choroidal Neovascularization. <i>Scientific Reports</i> , 2016, 6, 37391.	3.3	20
41	Developmentally Increased Cerebrovascular NO in Newborn Pigs Curtails Cerebral Blood Flow Autoregulation. <i>Pediatric Research</i> , 1999, 46, 375-375.	2.3	19
42	Dominant Role for Calpain in Thromboxane-Induced Neuromicrovascular Endothelial Cytotoxicity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 316, 618-627.	2.5	19
43	PGE(2)-mediated eNOS induction in prolonged hypercapnia. <i>Investigative Ophthalmology and Visual Science</i> , 2002, 43, 1558-66.	3.3	18
44	p75 Neurotrophin Receptor Participates in the Choroidal Antiangiogenic and Apoptotic Effects of T-Lymphocyte-Derived Microparticles. , 2013, 54, 6084.		17
45	Nutraceutical Targeting of Inflammation-Modulating microRNAs in Severe Forms of COVID-19: A Novel Approach to Prevent the Cytokine Storm. <i>Frontiers in Pharmacology</i> , 2020, 11, 602999.	3.5	17
46	Lymphocyte-derived microparticles induce bronchial epithelial cells' pro-inflammatory cytokine production and apoptosis. <i>Molecular Immunology</i> , 2013, 55, 220-230.	2.2	16
47	Immunometabolic modulation of retinal inflammation by CD36 ligand. <i>Scientific Reports</i> , 2019, 9, 12903.	3.3	16
48	microRNA-181a inhibits ocular neovascularization by interfering with vascular endothelial growth factor expression. <i>Cardiovascular Therapeutics</i> , 2018, 36, e12329.	2.5	15
49	Interleukin-1 and Ischemic Brain Injury in the Newborn: Development of a Small Molecule Inhibitor of IL-1 Receptor. <i>Seminars in Perinatology</i> , 2008, 32, 325-333.	2.5	14
50	Histone deacetylase (HDAC) 9: versatile biological functions and emerging roles in human cancer. <i>Cellular Oncology (Dordrecht)</i> , 2021, 44, 997-1017.	4.4	14
51	Inflammatory lipid mediators in ischemic retinopathy. <i>Pharmacological Reports</i> , 2005, 57 Suppl, 169-90.	3.3	14
52	Preservation of neural function in the perinate by high PGE ₂ levels acting via EP ₂ receptors. <i>Journal of Applied Physiology</i> , 2000, 89, 777-784.	2.5	13
53	Anti-proliferative and anti-tumour effects of lymphocyte-derived microparticles are neither species- nor tumour-type specific. <i>Journal of Extracellular Vesicles</i> , 2014, 3, .	12.2	13
54	Micro-RNA-181a suppresses progesterin-promoted breast cancer cell growth. <i>Maturitas</i> , 2018, 114, 60-66.	2.4	13

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55	Genetic Ablation of CD36 Induces Age-Related Corneal Neovascularization. <i>Cornea</i> , 2008, 27, 1037-1041.	1.7	12
56	Emerging roles of microRNAs and their implications in uveal melanoma. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 545-559.	5.4	12
57	Extracellular microparticles exacerbate oxidative damage to retinal pigment epithelial cells. <i>Experimental Cell Research</i> , 2020, 390, 111957.	2.6	11
58	SYK is a target of lymphocyte-derived microparticles in the induction of apoptosis of human retinoblastoma cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 1613-1622.	4.9	9
59	Activation of NLRP3 inflammasome by lymphocytic microparticles via TLR4 pathway contributes to airway inflammation. <i>Experimental Cell Research</i> , 2020, 386, 111737.	2.6	9
60	Potential of miRNA-Based Nanotherapeutics for Uveal Melanoma. <i>Cancers</i> , 2021, 13, 5192.	3.7	9
61	Characterization of PGE2 receptors in fetal and newborn ductus arteriosus in the pig. <i>Seminars in Perinatology</i> , 2001, 25, 70-75.	2.5	8
62	Laser-induced plasmon-mediated treatment of retinoblastoma in viscous vitreous phantom. <i>Journal of Biophotonics</i> , 2019, 12, e201900193.	2.3	7
63	Survivin silencing improved the cytotoxicity of carboplatin and melphalan in Y79 and primary retinoblastoma cells. <i>International Journal of Pharmaceutics</i> , 2020, 589, 119824.	5.2	6
64	MicroRNA-181a suppresses norethisterone-promoted tumorigenesis of breast epithelial MCF10A cells through the PGRMC1/EGFR-PI3K/Akt/mTOR signaling pathway. <i>Translational Oncology</i> , 2021, 14, 101068.	3.7	6
65	The Role of MiR-181 Family Members in Endothelial Cell Dysfunction and Tumor Angiogenesis. <i>Cells</i> , 2022, 11, 1670.	4.1	6
66	Lymphocytic microparticles suppress retinal angiogenesis via targeting Müller cells in the ischemic retinopathy mouse model. <i>Experimental Cell Research</i> , 2021, 399, 112470.	2.6	5
67	Generation of Lymphocytic Microparticles and Detection of their Proapoptotic Effect on Airway Epithelial Cells. <i>Journal of Visualized Experiments</i> , 2015, , e52651.	0.3	4
68	Tyrosine-Protein Phosphatase Non-receptor Type 9 (PTPN9) Negatively Regulates the Paracrine Vasoprotective Activity of Bone-Marrow Derived Pro-angiogenic Cells: Impact on Vascular Degeneration in Oxygen-Induced Retinopathy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 679906.	3.7	1