

# Paulo Pereira

## List of Publications by Year in descending order

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84  
papers

8,302  
citations

109321

35  
h-index

69250

77  
g-index

87  
all docs

87  
docs citations

87  
times ranked

18016  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Exosomes secreted by cardiomyocytes subjected to ischaemia promote cardiac angiogenesis. <i>Cardiovascular Research</i> , 2017, 113, 1338-1350.	3.8	193
3	Methylglyoxal promotes oxidative stress and endothelial dysfunction. <i>Pharmacological Research</i> , 2012, 65, 497-506.	7.1	174
4	STUB1/CHIP is required for HIF1A degradation by chaperone-mediated autophagy. <i>Autophagy</i> , 2013, 9, 1349-1366.	9.1	159
5	Gap junctional protein Cx43 is involved in the communication between extracellular vesicles and mammalian cells. <i>Scientific Reports</i> , 2015, 5, 13243.	3.3	135
6	Regulation of hypoxia-inducible factor 1 and the loss of the cellular response to hypoxia in diabetes. <i>Diabetologia</i> , 2011, 54, 1946-1956.	6.3	133
7	Autophagy modulates dynamics of connexins at the plasma membrane in a ubiquitin-dependent manner. <i>Molecular Biology of the Cell</i> , 2012, 23, 2156-2169.	2.1	110
8	The triage of damaged proteins: degradation by the ubiquitin-proteasome pathway or repair by molecular chaperones. <i>FASEB Journal</i> , 2006, 20, 741-743.	0.5	107
9	The Chaperone-Dependent Ubiquitin Ligase CHIP Targets HIF-1 $\alpha$ for Degradation in the Presence of Methylglyoxal. <i>PLoS ONE</i> , 2010, 5, e15062.	2.5	106
10	Eps15 interacts with ubiquitinated Cx43 and mediates its internalization. <i>Experimental Cell Research</i> , 2009, 315, 3587-3597.	2.6	104
11	Increased oxidative damage to all DNA bases in patients with type II diabetes mellitus. <i>FEBS Letters</i> , 1999, 448, 120-122.	2.8	98
12	Ubiquitin-dependent lysosomal degradation of the HNE-modified proteins in lens epithelial cells. <i>FASEB Journal</i> , 2004, 18, 1424-1426.	0.5	98
13	Anti-inflammatory activity of <i>Cymbopogon citratus</i> leaves infusion via proteasome and nuclear factor- $\kappa$ B pathway inhibition: Contribution of chlorogenic acid. <i>Journal of Ethnopharmacology</i> , 2013, 148, 126-134.	4.1	97
14	High Glucose Down-regulates Intercellular Communication in Retinal Endothelial Cells by Enhancing Degradation of Connexin 43 by a Proteasome-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 2004, 279, 27219-27224.	3.4	78
15	K63 linked ubiquitin chain formation is a signal for HIF1A degradation by Chaperone-Mediated Autophagy. <i>Scientific Reports</i> , 2015, 5, 10210.	3.3	77
16	Sustained oxidative stress inhibits NF- $\kappa$ B activation partially via inactivating the proteasome. <i>Free Radical Biology and Medicine</i> , 2009, 46, 62-69.	2.9	75
17	Ischaemia-induced autophagy leads to degradation of gap junction protein connexin43 in cardiomyocytes. <i>Biochemical Journal</i> , 2015, 467, 231-245.	3.7	74
18	MicroRNA-424(322) as a new marker of disease progression in pulmonary arterial hypertension and its role in right ventricular hypertrophy by targeting SMURF1. <i>Cardiovascular Research</i> , 2018, 114, 53-64.	3.8	72

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19	LAMP2A regulates the loading of proteins into exosomes. <i>Science Advances</i> , 2022, 8, eabm1140.	10.3	69
20	Oxidative Inactivation of the Proteasome in Retinal Pigment Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 20745-20753.	3.4	62
21	Presence of Cx43 in extracellular vesicles reduces the cardiotoxicity of the anti-tumour therapeutic approach with doxorubicin. <i>Journal of Extracellular Vesicles</i> , 2016, 5, 32538.	12.2	62
22	Cholesterol Oxides Accumulate in Human Cataracts. <i>Experimental Eye Research</i> , 1998, 66, 645-652.	2.6	61
23	The Proteasome: A Target of Oxidative Damage in Cultured Human Retina Pigment Epithelial Cells. , 2008, 49, 3622.		61
24	Methylglyoxal-induced imbalance in the ratio of vascular endothelial growth factor to angiopoietin 2 secreted by retinal pigment epithelial cells leads to endothelial dysfunction. <i>Experimental Physiology</i> , 2010, 95, 955-970.	2.0	61
25	Molecular control of chaperone-mediated autophagy. <i>Essays in Biochemistry</i> , 2017, 61, 663-674.	4.7	57
26	Interacting Network of the Gap Junction (GJ) Protein Connexin43 (Cx43) is Modulated by Ischemia and Reperfusion in the Heart*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 3040-3055.	3.8	55
27	Ubiquitin-mediated internalization of connexin43 is independent of the canonical endocytic tyrosine-sorting signal. <i>Biochemical Journal</i> , 2011, 437, 255-267.	3.7	49
28	Diabetes mellitus: new challenges and innovative therapies. <i>EPMA Journal</i> , 2010, 1, 138-163.	6.1	48
29	Lens fibers have a fully functional ubiquitin-proteasome pathway. <i>Experimental Eye Research</i> , 2003, 76, 623-631.	2.6	46
30	Reactive oxygen species downregulate glucose transport system in retinal endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C927-C936.	4.6	45
31	Methylglyoxal causes structural and functional alterations in adipose tissue independently of obesity. <i>Archives of Physiology and Biochemistry</i> , 2012, 118, 58-68.	2.1	45
32	Methylglyoxal Alters the Function and Stability of Critical Components of the Protein Quality Control. <i>PLoS ONE</i> , 2010, 5, e13007.	2.5	45
33	Downregulation of retinal GLUT1 in diabetes by ubiquitinylation. <i>Molecular Vision</i> , 2004, 10, 618-28.	1.1	44
34	Phosphorylation of connexin 43 acts as a stimuli for proteasome-dependent degradation of the protein in lens epithelial cells. <i>Molecular Vision</i> , 2003, 9, 24-30.	1.1	41
35	Excitotoxic stimulation downregulates the ubiquitin-proteasome system through activation of NMDA receptors in cultured hippocampal neurons. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 263-274.	3.8	37
36	AMSH-mediated deubiquitination of Cx43 regulates internalization and degradation of gap junctions. <i>FASEB Journal</i> , 2014, 28, 4629-4641.	0.5	37

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37	Heart ischemia results in connexin43 ubiquitination localized at the intercalated discs. <i>Biochimie</i> , 2015, 112, 196-201.	2.6	37
38	A tracer investigation of obligatory oxidative amino acid losses in healthy, young adults. <i>American Journal of Clinical Nutrition</i> , 1999, 70, 474-483.	4.7	34
39	Proteasome Inactivation Promotes p38 Mitogen-activated Protein Kinase-dependent Phosphatidylinositol 3-kinase Activation and Increases Interleukin-8 Production in Retinal Pigment Epithelial Cells. <i>Molecular Biology of the Cell</i> , 2009, 20, 3690-3699.	2.1	30
40	Methylglyoxal chronic administration promotes diabetes-like cardiac ischaemia disease in Wistar normal rats. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2013, 23, 1223-1230.	2.6	30
41	Advanced glycation end products and diabetic nephropathy: a comparative study using diabetic and normal rats with methylglyoxal-induced glycation. <i>Journal of Physiology and Biochemistry</i> , 2014, 70, 173-184.	3.0	30
42	Cholesterol may act as an antioxidant in lens membranes. <i>Current Eye Research</i> , 1999, 18, 448-454.	1.5	29
43	The steady-state levels of oxidative DNA damage and of lipid peroxidation (F2-isoprostanes) are not correlated in healthy human subjects. <i>Free Radical Research</i> , 2000, 32, 355-362.	3.3	29
44	Proteasome-dependent regulation of signal transduction in retinal pigment epithelial cells. <i>Experimental Eye Research</i> , 2006, 83, 1472-1481.	2.6	29
45	The proteasome regulates the interaction between Cx43 and ZO-1. <i>Journal of Cellular Biochemistry</i> , 2007, 102, 719-728.	2.6	29
46	F <sub>2</sub> Isoprostanes, Potential Specific Markers of Oxidative Damage in Human Retina. <i>Ophthalmic Research</i> , 2000, 32, 133-137.	1.9	28
47	Ischaemia alters the effects of cardiomyocyte-derived extracellular vesicles on macrophage activation. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 1137-1151.	3.6	28
48	Subcellular Redistribution of Components of the Ubiquitin-Proteasome Pathway during Lens Differentiation and Maturation. , 2005, 46, 1386.		27
49	Ubiquitin-Proteasome System Impairment and MPTP-Induced Oxidative Stress in the Brain of C57BL/6 Wild-type and GSTP Knockout Mice. <i>Molecular Neurobiology</i> , 2013, 47, 662-672.	4.0	25
50	Autophagy and Ubiquitination in Cardiovascular Diseases. <i>DNA and Cell Biology</i> , 2015, 34, 243-251.	1.9	25
51	DNAJB4 molecular chaperone distinguishes WT from mutant E-cadherin, determining their fate in vitro and in vivo. <i>Human Molecular Genetics</i> , 2014, 23, 2094-2105.	2.9	20
52	Massive dissemination of a SARS-CoV-2 Spike Y839 variant in Portugal. <i>Emerging Microbes and Infections</i> , 2020, 9, 2488-2496.	6.5	20
53	To beat or not to beat: degradation of Cx43 imposes the heart rhythm. <i>Biochemical Society Transactions</i> , 2015, 43, 476-481.	3.4	19
54	Oxidative stress upregulates ubiquitin proteasome pathway in retinal endothelial cells. <i>Molecular Vision</i> , 2006, 12, 1526-35.	1.1	19

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55	Keep it real: selecting realistic sets of urban green space indicators. <i>Environmental Research Letters</i> , 2020, 15, 095001.	5.2	18
56	CCBE1 is required for coronary vessel development and proper coronary artery stem formation in the mouse heart. <i>Developmental Dynamics</i> , 2018, 247, 1135-1145.	1.8	17
57	Age-Related Accumulation of Free Polyunsaturated Fatty Acids in Human Retina. <i>Ophthalmic Research</i> , 1999, 31, 273-279.	1.9	15
58	Cholesterol oxides mediated changes in cytoskeletal organisation involves Rho GTPases. <i>Experimental Cell Research</i> , 2003, 291, 502-513.	2.6	15
59	7-Ketocholesterol modulates intercellular communication through gap-junction in bovine lens epithelial cells. <i>Cell Communication and Signaling</i> , 2004, 2, 2.	6.5	14
60	Exosomes and STUB1/CHIP cooperate to maintain intracellular proteostasis. <i>PLoS ONE</i> , 2019, 14, e0223790.	2.5	14
61	Liveable cities: Current environmental challenges and paths to urban sustainability. <i>Journal of Environmental Management</i> , 2021, 277, 111458.	7.8	12
62	Atorvastatin-mediated protection of the retina in a model of diabetes with hyperlipidemia. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014, 92, 1037-1043.	1.4	11
63	Hyperglycemia-induced degradation of HIF-1 $\alpha$ contributes to impaired response of cardiomyocytes to hypoxia. <i>Revista Portuguesa De Cardiologia</i> , 2017, 36, 367-373.	0.5	11
64	Accelerated age-related olfactory decline among type 1 Usher patients. <i>Scientific Reports</i> , 2016, 6, 28309.	3.3	10
65	Bendazac decreases in vitro glycation of human lens crystallins. <i>Documenta Ophthalmologica</i> , 1995, 90, 395-404.	2.2	9
66	Regulation of the expression of interleukin-8 induced by 25-hydroxycholesterol in retinal pigment epithelium cells. <i>Acta Ophthalmologica</i> , 2012, 90, e255-63.	1.1	9
67	Connexin 43 ubiquitination determines the fate of gap junctions: restrict to survive. <i>Biochemical Society Transactions</i> , 2015, 43, 471-475.	3.4	9
68	7-ketocholesterol stimulates differentiation of lens epithelial cells. <i>Molecular Vision</i> , 2003, 9, 497-501.	1.1	9
69	An experimental model for the evaluation of lipid peroxidation in lens membranes. <i>Current Eye Research</i> , 1996, 15, 395-402.	1.5	8
70	Crystallin composition of human cataractous lens may be modulated by protein glycation. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 1996, 234, S232-S238.	1.9	8
71	Cell Non-autonomous Proteostasis Regulation in Aging and Disease. <i>Frontiers in Neuroscience</i> , 0, 16, .	2.8	7
72	Hyperglycemia-induced degradation of HIF-1 $\alpha$ contributes to impaired response of cardiomyocytes to hypoxia. <i>Revista Portuguesa De Cardiologia (English Edition)</i> , 2017, 36, 367-373.	0.2	6

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73	Age-Related Changes in Normal and Cataractous Human Lens Crystallins, Separated by Fast-Performance Liquid Chromatography. <i>Ophthalmic Research</i> , 1994, 26, 149-157.	1.9	5
74	Evaluation of a non-invasive fluorescence technique as a marker for diabetic lenses in vivo. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 1999, 237, 187-192.	1.9	5
75	Diabetes Mellitus: New Challenges and Innovative Therapies. <i>Advances in Predictive, Preventive and Personalised Medicine</i> , 2013, , 29-87.	0.6	5
76	LAMP2A mediates the loading of proteins into endosomes and selects exosomal cargo. <i>Autophagy</i> , 2022, 18, 2263-2265.	9.1	4
77	Loss of Ccbe1 affects cardiac-specification and cardiomyocyte differentiation in mouse embryonic stem cells. <i>PLoS ONE</i> , 2018, 13, e0205108.	2.5	3
78	Green and Blue Infrastructure (GBI) in Urban Areas. , 2021, , 1-13.		3
79	Elucidation of the dynamic nature of interactome networks: A practical tutorial. <i>Journal of Proteomics</i> , 2018, 171, 116-126.	2.4	1
80	MYOC Gene Sequencing Analysis in Primary Open-Angle Glaucoma Patients from the Centre Region of Portugal. <i>Acta Medica Portuguesa</i> , 2021, 34, 586.	0.4	0
81	Diabetic Retinopathy, Inflammation, and Proteasome. , 2007, , 475-502.		0
82	Oxidative inactivation of the proteasome: a potential link between oxidative stress and upregulation of IL-8. <i>FASEB Journal</i> , 2008, 22, 1120.8.	0.5	0
83	Proteasome Inactivation Promotes p38 MAPK-Dependent PI3K Activation and Increases IL-8 Production. <i>FASEB Journal</i> , 2009, 23, 530.6.	0.5	0
84	The Role of Biobanks in the Fight against COVID-19 Pandemic: The Portuguese Response. <i>Acta Medica Portuguesa</i> , 2021, 35, .	0.4	0