

Rosa Fernandes

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.

81
papers

2,525
citations

32
h-index

48
g-index

94
ext. papers

2,939
ext. citations

5
avg, IF

5.01
L-index

#	Paper	IF	Citations
81	Improvement of Glycaemia and Endothelial Function by a New Low-Dose Curcuminoid in an Animal Model of Type 2 Diabetes. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5652	6.3	0
80	Blueberry Counteracts Prediabetes in a Hypercaloric Diet-Induced Rat Model and Rescues Hepatic Mitochondrial Bioenergetics.. <i>Nutrients</i> , 2021 , 13,	6.7	2
79	Encapsulation of glycosylated porphyrins in silica nanoparticles to enhance the efficacy of cancer photodynamic therapy. <i>Materials Advances</i> , 2021 , 2, 1613-1620	3.3	0
78	Microglia Contribution to the Regulation of the Retinal and Choroidal Vasculature in Age-Related Macular Degeneration. <i>Cells</i> , 2020 , 9,	7.9	13
77	Highly Efficient Singlet Oxygen Generators Based on Ruthenium Phthalocyanines: Synthesis, Characterization and in vitro Evaluation for Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2020 , 26, 1697	4.8	1
76	Diet-Induced Rodent Models of Diabetic Peripheral Neuropathy, Retinopathy and Nephropathy. <i>Nutrients</i> , 2020 , 12,	6.7	21
75	Caveolin-1 Modulation Increases Efficacy of a Galacto-Conjugated Phthalocyanine in Bladder Cancer Cells Resistant to Photodynamic Therapy. <i>Molecular Pharmaceutics</i> , 2020 , 17, 2145-2154	5.6	3
74	Highly Efficient Singlet Oxygen Generators Based on Ruthenium Phthalocyanines: Synthesis, Characterization and in vitro Evaluation for Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2020 , 26, 1789-1799	4.8	15
73	Blueberry Consumption Challenges Hepatic Mitochondrial Bioenergetics and Elicits Transcriptomics Reprogramming in Healthy Wistar Rats. <i>Pharmaceutics</i> , 2020 , 12,	6.4	3
72	Extracellular Vesicles and MicroRNA: Putative Role in Diagnosis and Treatment of Diabetic Retinopathy. <i>Antioxidants</i> , 2020 , 9,	7.1	10
71	Diet-induced rodent models of obesity-related metabolic disorders-A guide to a translational perspective. <i>Obesity Reviews</i> , 2020 , 21, e13081	10.6	16
70	Synthesis, Characterization and Photodynamic Activity against Bladder Cancer Cells of Novel Triazole-Porphyrin Derivatives. <i>Molecules</i> , 2020 , 25,	4.8	5
69	Electrochemical Immunosensor for TNF α Mediated Inflammatory Disease Screening. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 2676-2682	5.7	10
68	The dipeptidyl peptidase 4 inhibitor sitagliptin improves oxidative stress and ameliorates glomerular lesions in a rat model of type 1 diabetes. <i>Life Sciences</i> , 2019 , 234, 116738	6.8	8
67	Multicharged Phthalocyanines as Selective Ligands for G-Quadruplex DNA Structures. <i>Molecules</i> , 2019 , 24,	4.8	21
66	Photoimmunoconjugates: novel synthetic strategies to target and treat cancer by photodynamic therapy. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 2579-2593	3.9	32
65	Diabetic gut microbiota dysbiosis as an inflammaging and immunosenescence condition that fosters progression of retinopathy and nephropathy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 1876-1897	6.9	60

64	The dipeptidyl peptidase-4 (DPP-4) inhibitor sitagliptin ameliorates retinal endothelial cell dysfunction triggered by inflammation. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 102, 833-838	7.5	11
63	Carbon-1 versus Carbon-3 Linkage of d-Galactose to Porphyrins: Synthesis, Uptake, and Photodynamic Efficiency. <i>Bioconjugate Chemistry</i> , 2018 , 29, 306-315	6.3	18
62	Sweet Stress: Coping With Vascular Dysfunction in Diabetic Retinopathy. <i>Frontiers in Physiology</i> , 2018 , 9, 820	4.6	40
61	Synthesis, Characterization and In Vitro Evaluation of Carbohydrate-Containing Ruthenium Phthalocyanines as Third Generation Photosensitizers for Photodynamic Therapy. <i>ChemPhotoChem</i> , 2018 , 2, 640-654	3.3	11
60	A Galactose Dendritic Silicon (IV) Phthalocyanine as a Photosensitizing Agent in Cancer Photodynamic Therapy. <i>ChemPlusChem</i> , 2018 , 83, 855-860	2.8	7
59	Adiponectin improves endothelial function in mesenteric arteries of rats fed a high-fat diet: role of perivascular adipose tissue. <i>British Journal of Pharmacology</i> , 2017 , 174, 3514-3526	8.6	49
58	Exosomes secreted by cardiomyocytes subjected to ischaemia promote cardiac angiogenesis. <i>Cardiovascular Research</i> , 2017 , 113, 1338-1350	9.9	126
57	The Sulforaphane and pyridoxamine supplementation normalize endothelial dysfunction associated with type 2 diabetes. <i>Scientific Reports</i> , 2017 , 7, 14357	4.9	28
56	PEG-containing ruthenium phthalocyanines as photosensitizers for photodynamic therapy: synthesis, characterization and in vitro evaluation. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 5862-5869	7.3	22
55	Renoprotective Effects of the Dipeptidyl Peptidase-4 Inhibitor Sitagliptin: A Review in Type 2 Diabetes. <i>Journal of Diabetes Research</i> , 2017 , 2017, 5164292	3.9	21
54	Cancer cell spheroids are a better screen for the photodynamic efficiency of glycosylated photosensitizers. <i>PLoS ONE</i> , 2017 , 12, e0177737	3.7	35
53	Mitochondria-Targeted Photodynamic Therapy with a Galactodendritic Chlorin to Enhance Cell Death in Resistant Bladder Cancer Cells. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2762-2769	6.3	27
52	Drug Transport Across Blood-Ocular Barriers and Pharmacokinetics 2016 , 37-63		3
51	mTOR in Diabetic Nephropathy and Retinopathy 2016 , 379-393		2
50	Protective Effect of a GLP-1 Analog on Ischemia-Reperfusion Induced Blood-Retinal Barrier Breakdown and Inflammation 2016 , 57, 2584-92		34
49	The incretin system ABCs in obesity and diabetes - novel therapeutic strategies for weight loss and beyond. <i>Obesity Reviews</i> , 2016 , 17, 553-72	10.6	21
48	Presymptomatic MPTP Mice Show Neurotrophic S100B/mRAGE Striatal Levels. <i>CNS Neuroscience and Therapeutics</i> , 2016 , 22, 396-403	6.8	6
47	The role of galectin-1 in <i>in vitro</i> and <i>in vivo</i> photodynamic therapy with a galactodendritic porphyrin. <i>European Journal of Cancer</i> , 2016 , 68, 60-69	7.5	19

46	Molecular Targeted Photodynamic Therapy for Cancer 2016 , 127-169		2
45	Dual functionality of phosphonic-acid-appended phthalocyanines: inhibitors of urokinase plasminogen activator and anticancer photodynamic agents. <i>Chemical Communications</i> , 2015 , 51, 15550-3	5.8	22
44	New platinum(II)-bipyridyl corrole complexes: Synthesis, characterization and binding studies with DNA and HSA. <i>Journal of Inorganic Biochemistry</i> , 2015 , 153, 32-41	4.2	33
43	Synthesis, characterization and biomolecule-binding properties of novel tetra-platinum(II)-thiopyridylporphyrins. <i>Dalton Transactions</i> , 2015 , 44, 530-8	4.3	27
42	The Place of Dipeptidyl Peptidase-4 Inhibitors in Type 2 Diabetes Therapeutics: A "Me Too" or "the Special One" Antidiabetic Class?. <i>Journal of Diabetes Research</i> , 2015 , 2015, 806979	3.9	38
41	Antibodies armed with photosensitizers: from chemical synthesis to photobiological applications. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 2518-29	3.9	45
40	Type 2 diabetes aggravates Alzheimer's disease-associated vascular alterations of the aorta in mice. <i>Journal of Alzheimer's Disease</i> , 2015 , 45, 127-38	4.3	10
39	Atorvastatin-mediated protection of the retina in a model of diabetes with hyperlipidemia. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014 , 92, 1037-43	2.4	9
38	Amphiphilic phthalocyanine-cyclodextrin conjugates for cancer photodynamic therapy. <i>Chemical Communications</i> , 2014 , 50, 8363-6	5.8	75
37	Porphyrin conjugated with serum albumins and monoclonal antibodies boosts efficiency in targeted destruction of human bladder cancer cells. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 1804-11	3.9	37
36	Endothelial progenitor cells in diabetic patients with myocardial infarction - can statins improve their function?. <i>European Journal of Pharmacology</i> , 2014 , 741, 25-36	5.3	9
35	Dipeptidyl peptidase-IV inhibition prevents blood-retinal barrier breakdown, inflammation and neuronal cell death in the retina of type 1 diabetic rats. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 1454-63	6.9	55
34	Galactodendritic phthalocyanine targets carbohydrate-binding proteins enhancing photodynamic therapy. <i>PLoS ONE</i> , 2014 , 9, e95529	3.7	39
33	Sitagliptin prevents inflammation and apoptotic cell death in the kidney of type 2 diabetic animals. <i>Mediators of Inflammation</i> , 2014 , 2014, 538737	4.3	85
32	Circulating endothelial progenitor cells as a predictor of response to cardiac resynchronization therapy: the missing piece of the puzzle?. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2014 , 37, 731-9	1.6	11
31	Sitagliptin prevents aggravation of endocrine and exocrine pancreatic damage in the Zucker Diabetic Fatty rat - focus on amelioration of metabolic profile and tissue cytoprotective properties. <i>Diabetology and Metabolic Syndrome</i> , 2014 , 6, 42	5.6	18
30	Impact of prior chronic statin therapy and high-intensity statin therapy at discharge on circulating endothelial progenitor cell levels in patients with acute myocardial infarction: a prospective observational study. <i>European Journal of Clinical Pharmacology</i> , 2014 , 70, 1181-93	2.8	4
29	Reduced levels of circulating endothelial progenitor cells in acute myocardial infarction patients with diabetes or pre-diabetes: accompanying the glycemic continuum. <i>Cardiovascular Diabetology</i> , 2014 , 13, 101	8.7	44

28	Patient characteristics and disposition after pediatric medical emergency team (MET) activation: disposition depends on who activates the team. <i>Hospital Pediatrics</i> , 2014 , 4, 99-105	2.5	9
27	Fluorescence biolabeling using methylated silica nanoparticles containing a lanthanide complex. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 5429-5435	7.3	15
26	Regulation of claudins in blood-tissue barriers under physiological and pathological states. <i>Tissue Barriers</i> , 2013 , 1, e24782	4.3	51
25	Proteasome dysfunction in retinal pigment epithelium during aging contributes to the pathogenesis of Age-Macular related Degeneration. <i>Acta Ophthalmologica</i> , 2013 , 91, 0-0	3.7	
24	Phthalocyanine thio-pyridinium derivatives as antibacterial photosensitizers. <i>Photochemistry and Photobiology</i> , 2012 , 88, 537-47	3.6	53
23	Protective effects of the dipeptidyl peptidase IV inhibitor sitagliptin in the blood-retinal barrier in a type 2 diabetes animal model. <i>Diabetes, Obesity and Metabolism</i> , 2012 , 14, 454-63	6.7	67
22	Methylglyoxal promotes oxidative stress and endothelial dysfunction. <i>Pharmacological Research</i> , 2012 , 65, 497-506	10.2	151
21	- Considerations for Development of Ophthalmic Nanotechnology-Based Drugs 2012 , 112-127		1
20	Photodynamic inactivation of <i>Penicillium chrysogenum</i> conidia by cationic porphyrins. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 1735-43	4.2	66
19	Metformin restores endothelial function in aorta of diabetic rats. <i>British Journal of Pharmacology</i> , 2011 , 163, 424-37	8.6	120
18	Diabetic nephropathy amelioration by a low-dose sitagliptin in an animal model of type 2 diabetes (Zucker diabetic fatty rat). <i>Experimental Diabetes Research</i> , 2011 , 2011, 162092		112
17	Reactive oxygen species downregulate glucose transport system in retinal endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 300, C927-36	5.4	36
16	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, 955-70	2.4	57
15	Effects of sitagliptin treatment on dysmetabolism, inflammation, and oxidative stress in an animal model of type 2 diabetes (ZDF rat). <i>Mediators of Inflammation</i> , 2010 , 2010, 592760	4.3	126
14	Stimulation of endothelial progenitor cells: a new putative effect of several cardiovascular drugs. <i>European Journal of Clinical Pharmacology</i> , 2010 , 66, 219-30	2.8	21
13	Methylglyoxal alters the function and stability of critical components of the protein quality control. <i>PLoS ONE</i> , 2010 , 5, e13007	3.7	38
12	The chaperone-dependent ubiquitin ligase CHIP targets HIF-1 α for degradation in the presence of methylglyoxal. <i>PLoS ONE</i> , 2010 , 5, e15062	3.7	84
11	Challenges in vascular repair by endothelial progenitor cells in diabetic patients. <i>Cardiovascular & Hematological Disorders Drug Targets</i> , 2010 , 10, 161-6	1.1	4

10	The role of HIF-1 alfa in apoptosis and proliferative retinopathy. <i>Acta Ophthalmologica</i> , 2009 , 87, 0-0	3.7	1
9	The ubiquitin proteasome pathway - Repair or degradation of damaged proteins. <i>Acta Ophthalmologica</i> , 2009 , 87, 0-0	3.7	
8	Effects of alpha-lipoic acid on endothelial function in aged diabetic and high-fat fed rats. <i>British Journal of Pharmacology</i> , 2008 , 153, 894-906	8.6	76
7	Oxidative stress upregulates ubiquitin proteasome pathway in retinal endothelial cells. <i>Molecular Vision</i> , 2006 , 12, 1526-35	2.3	19
6	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, 27219-24	5.4	64
5	Downregulation of retinal GLUT1 in diabetes by ubiquitinylation. <i>Molecular Vision</i> , 2004 , 10, 618-28	2.3	39
4	Inner blood-retinal barrier GLUT1 in long-term diabetic rats: an immunogold electron microscopic study. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 3150-4		34
3	An experimental model for the evaluation of lipid peroxidation in lens membranes. <i>Current Eye Research</i> , 1996 , 15, 395-402	2.9	7
2	A technical approach to the evaluation of glucose oxidation: implications for diabetic cataract. <i>Ophthalmic Research</i> , 1996 , 28, 275-83	2.9	3
1	VEGF/Ang-2 imbalance: the crosslinking between methylglyoxal and vascular dysfunction in diabetic retinopathy. <i>Acta Ophthalmologica</i> , 86 , 0-0	3.7	1