

# Maria B Grant

## List of Publications by Year in descending order

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46  
papers

3,144  
citations

346980

22  
h-index

312153

41  
g-index

48  
all docs

48  
docs citations

48  
times ranked

6214  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial Signatures in The Rodent Eyes With Retinal Dysfunction and Diabetic Retinopathy. , 2022, 63, 5.		14
2	Lipids, hyperreflective crystalline deposits and diabetic retinopathy: potential systemic and retinal-specific effect of lipid-lowering therapies. Diabetologia, 2022, 65, 587-603.	2.9	15
3	Specific mesoderm subset derived from human pluripotent stem cells ameliorates microvascular pathology in type 2 diabetic mice. Science Advances, 2022, 8, eabm5559.	4.7	8
4	An advanced endothelial murine HFpEF model: eNOS is critical for angiotensin 1â€™7 rescue of the diabetic phenotype. Journal of Molecular and Cellular Cardiology, 2022, 169, 10-12.	0.9	0
5	The Role of Angiotensin Converting Enzyme 2 in Modulating Gut Microbiota, Intestinal Inflammation, and Coronavirus Infection. Gastroenterology, 2021, 160, 39-46.	0.6	95
6	Fasting and fasting-mimicking treatment activate SIRT1/LXRÎ± and alleviate diabetes-induced systemic and microvascular dysfunction. Diabetologia, 2021, 64, 1674-1689.	2.9	41
7	Vascular Patterning as Integrative Readout of Complex Molecular and Physiological Signaling by VESsel GENeration Analysis. Journal of Vascular Research, 2021, 58, 1-24.	0.6	9
8	Tribbles Homolog 3 Mediates the Development and Progression of Diabetic Retinopathy. Diabetes, 2021, 70, 1738-1753.	0.3	11
9	Novel Methods to Mobilize, Isolate, and Expand Mesenchymal Stem Cells. International Journal of Molecular Sciences, 2021, 22, 5728.	1.8	8
10	Peripheral immune circadian variation, synchronisation and possible dysrhythmia in established type 1 diabetes. Diabetologia, 2021, 64, 1822-1833.	2.9	6
11	Characterizing temporal and spatial recruitment of systemically administered RPE65-programmed bone marrow-derived cells to the retina in a mouse model of age-related macular degeneration. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 2987-2994.	1.0	1
12	Depleting hypothalamic somatostatinergic neurons recapitulates diabetic phenotypes in mouse brain, bone marrow, adipose and retina. Diabetologia, 2021, 64, 2575-2588.	2.9	5
13	Spatial and temporal VEGF receptor intracellular trafficking in microvascular and macrovascular endothelial cells. Scientific Reports, 2021, 11, 17400.	1.6	4
14	BACE1 Inhibition Increases Susceptibility to Oxidative Stress by Promoting Mitochondrial Damage. Antioxidants, 2021, 10, 1539.	2.2	8
15	Update and Recommendations for Ocular Manifestations of COVID-19 in Adults and Children: A Narrative Review. Ophthalmology and Therapy, 2020, 9, 853-875.	1.0	24
16	SARS-CoV-2 Infections and ACE2: Clinical Outcomes Linked With Increased Morbidity and Mortality in Individuals With Diabetes. Diabetes, 2020, 69, 1875-1886.	0.3	61
17	The Potential Role of Osteopontin and Furin in Worsening Disease Outcomes in COVID-19 Patients with Pre-Existing Diabetes. Cells, 2020, 9, 2528.	1.8	22
18	Characterizing the Retinal Phenotype in the High-Fat Diet and Western Diet Mouse Models of Prediabetes. Cells, 2020, 9, 464.	1.8	31

#	ARTICLE	IF	CITATIONS
19	Response by Gheblawi et al to Letter Regarding Article, "Angiotensin-Converting Enzyme 2: SARS-CoV-2 Receptor and Regulator of the Renin-Angiotensin System: Celebrating the 20th Anniversary of the Discovery of ACE2". <i>Circulation Research</i> , 2020, 127, e46-e47.	2.0	16
20	The Gut-Eye Axis: Lessons Learned from Murine Models. <i>Ophthalmology and Therapy</i> , 2020, 9, 499-513.	1.0	61
21	Neutrophil-Derived S100A8/A9 Amplify Granulopoiesis After Myocardial Infarction. <i>Circulation</i> , 2020, 141, 1080-1094.	1.6	155
22	Diurnal Rhythmicity of Autophagy Is Impaired in the Diabetic Retina. <i>Cells</i> , 2020, 9, 905.	1.8	33
23	Angiotensin-Converting Enzyme 2: SARS-CoV-2 Receptor and Regulator of the Renin-Angiotensin System. <i>Circulation Research</i> , 2020, 126, 1456-1474.	2.0	1,478
24	ACE2 as therapeutic agent. <i>Clinical Science</i> , 2020, 134, 2581-2595.	1.8	7
25	Expression of Human ACE2 in <i>Lactobacillus</i> and Beneficial Effects in Diabetic Retinopathy in Mice. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019, 14, 161-170.	1.8	78
26	CCN1-Yes-Associated Protein Feedback Loop Regulates Physiological and Pathological Angiogenesis. <i>Molecular and Cellular Biology</i> , 2019, 39, .	1.1	19
27	Bone Marrow-Derived Cells Restore Functional Integrity of the Gut Epithelial and Vascular Barriers in a Model of Diabetes and ACE2 Deficiency. <i>Circulation Research</i> , 2019, 125, 969-988.	2.0	67
28	Loss of Diurnal Oscillatory Rhythms in Gut Microbiota Correlates with Changes in Circulating Metabolites in Type 2 Diabetic db/db Mice. <i>Nutrients</i> , 2019, 11, 2310.	1.7	42
29	Peripheral blood-derived mesenchymal stem cells demonstrate immunomodulatory potential for therapeutic use in horses. <i>PLoS ONE</i> , 2019, 14, e0212642.	1.1	29
30	Molecular mechanisms of retinal ischemia. <i>Current Opinion in Physiology</i> , 2019, 7, 41-48.	0.9	10
31	Antiarrhythmic and proarrhythmic effects of subcutaneous nerve stimulation in ambulatory dogs. <i>Heart Rhythm</i> , 2019, 16, 1251-1260.	0.3	8
32	Complementary Embryonic and Adult Cell Populations Enhance Myocardial Repair in Rat Myocardial Injury Model. <i>Stem Cells International</i> , 2019, 2019, 1-11.	1.2	0
33	Retinal Vascular Abnormalities and Microglia Activation in Mice with Deficiency in Cytochrome P450 46A1-Mediated Cholesterol Removal. <i>American Journal of Pathology</i> , 2019, 189, 405-425.	1.9	36
34	Progenitor cell combination normalizes retinal vascular development in the oxygen-induced retinopathy (OIR) model. <i>JCI Insight</i> , 2019, 4, .	2.3	24
35	Rap1B promotes VEGF-induced endothelial permeability and is required for dynamic regulation of endothelial barrier. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	42
36	Models of retinal diseases and their applicability in drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2018, 13, 359-377.	2.5	33

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37	Restructuring of the Gut Microbiome by Intermittent Fasting Prevents Retinopathy and Prolongs Survival in <i>db/db</i> Mice. <i>Diabetes</i> , 2018, 67, 1867-1879.	0.3	243
38	Beneficial Effects of Angiotensin-(1 <sup>7</sup> ) on CD34+ Cells From Patients With Heart Failure. <i>Journal of Cardiovascular Pharmacology</i> , 2018, 71, 155-159.	0.8	8
39	Enteral Arg-Gln Dipeptide Administration Increases Retinal Docosahexaenoic Acid and Neuroprotectin D1 in a Murine Model of Retinopathy of Prematurity. , 2018, 59, 858.		11
40	Loss of Angiotensin-Converting Enzyme 2 Exacerbates Diabetic Retinopathy by Promoting Bone Marrow Dysfunction. <i>Stem Cells</i> , 2018, 36, 1430-1440.	1.4	43
41	â€œSeeingâ€iPSCs in the Retina During Retinal Repair in Diabetic Retinopathy. <i>Microscopy and Microanalysis</i> , 2018, 24, 2306-2307.	0.2	0
42	Electroacupuncture Promotes Central Nervous System-Dependent Release of Mesenchymal Stem Cells. <i>Stem Cells</i> , 2017, 35, 1303-1315.	1.4	37
43	Detailed Analysis of Bone Marrow From Patients With Ischemic Heart Disease and Left Ventricular Dysfunction. <i>Circulation Research</i> , 2014, 115, 867-874.	2.0	65
44	<i>Per2</i> Mutation Recapitulates the Vascular Phenotype of Diabetes in the Retina and Bone Marrow. <i>Diabetes</i> , 2013, 62, 273-282.	0.3	61
45	Activation of the ACE2/Angiotensin-(1 <sup>7</sup> )/Mas Receptor Axis Enhances the Reparative Function of Dysfunctional Diabetic Endothelial Progenitors. <i>Diabetes</i> , 2013, 62, 1258-1269.	0.3	91
46	Liver X Receptor Modulates Diabetic Retinopathy Outcome in a Mouse Model of Streptozotocin-Induced Diabetes. <i>Diabetes</i> , 2012, 61, 3270-3279.	0.3	62